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LAGOON AREA REMEDIATION REMEDIAL ACTION COMPLETION REPORT

Pownal Tannery Superfund Site
Pownal, Vermont

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1.0 INTRODUCTION

This Remedial Action (RA) report documents activities conducted at the Pownal Tannery Superfund Site (Lagoon Area Remediation) located in North Pownal, Vermont under Metcalf & Eddy's (M&E) Response Action Contract (RAC) with the United States Environmental Protection Agency (EPA) Region 1. The RA report also documents that the materials and structures of the Pownal Tannery Lagoon Area Remediation project have been constructed in substantial compliance with the Technical Specifications and the Record of Decision (ROD) prepared for the site. All work was performed under contract to the EPA and was performed with the concurrence and oversight of both EPA Region 1 and the State of Vermont Department of Environmental Conservation (VTDEC).

The site consists of a 28-acre set of parcels located along the Hoosic River in the village of North Pownal. It was once used as hide tanning and finishing facility owned by the Pownal Tanning Company, which discharged wastes, including solvents, lubricating oils, and tanning waste with high concentrations of lead and chromium, to a sludge lagoon complex. It is considered one operable unit (OU) since there are no others associated with the site.

M&E and its RAC team subcontractor, TRC Environmental, conducted a Remedial Investigation (RI) and Feasibility Study (FS) (July 2002) to support EPA and the Vermont DEC in developing a Record of Decision (ROD) for the site and to serve as the basis of design. The selected remedy designed for the 10-acre lagoon complex included stabilization and excavation of approximately 55,000 cubic yards (80,000 tons) of contaminated sludge materials from two lagoons (lagoons 1 and 5), consolidation of the sludge over two other lagoons (lagoons 3 and 4), and capping of the consolidated sludge with a 5.5-acre multi-layer landfill cover system to control multiple human health and environmental risks.

Development of the appropriate conceptual design required evaluation of various factors including the volume of material to be landfilled, impacts on the adjacent Hoosic River, and the intended future use of the lagoon area. Challenges also included protecting workers and the public from hazardous gases and noxious odors emanating from the contaminated lagoons and constructing the landfill cap in a 100-year flood plain over the stabilized waste.

M&E procured RA contractor under competitive bidding process to perform construction. The remedial action was completed in accordance with the ROD and the design within the EPA's schedule and under budget.

The following sections provide additional details regarding the site's description and history.

1.1 Site Description

The Pownal Tannery Superfund Site (site) consists of a 28-acre set of parcels located between Route 346 and the Hoosic River in the Village of North Pownal, Vermont which is in the south-western corner of the state. The site location and configuration is shown on the cover sheet and on Sheets C-1, C2, and C-3 of the As-built Drawings (Appendix B).

The site was a former hide tanning and finishing facility formerly owned by the Pownal Tanning Company, Inc. It was operated as a tannery between 1937 until 1988, when the company declared bankruptcy. The site originally consisted of three contamination sources: the former tannery building complex, a capped sludge landfill, and a wastewater lagoon system (Lagoon Area).

The area surrounding the site is a rural and residential community with approximately 3,500 residents, with the nearest residences being approximately 200 feet from the lagoons. These residences rely upon ground water from private wells for their water supply. The Hoosic River flows along the west side of the former tannery building and Lagoon Area and is used for recreational purposes during the warm months (Vermont Water Quality Standards, Class B for high quality habitat). Railroad tracks owned and operated by the Guilford Transportation Rail Company border the site to the east. To the south of the lagoon complex is the former tannery building parcel and a hydroelectric facility and dam that were built in 1955 for use by the tannery.

1.2 Operations and Waste Management

The former tannery building was built in 1866 and was originally used as a mill to make cotton print cloth until 1935. The tanning of hides started in 1935 and required the use of a variety of chemicals to remove animal tissues and fats, and to prepare the hides for tanning, coloring and finishing. Chemicals used included lime, acids, ammonium salts, sulfuric acid, mineral tannin (trivalent chromium), dyes, pigments, solvents, acrylics, butadiene, polyurethane, resins, waxes, and lacquers. Pentachlorophenol, which contains dioxins, was used as a biocide to treat the hides. Untreated tanning process wastewater was directly discharged into the Hoosic River between approximately 1937 until 1962. A lagoon system was constructed in several stages between 1962 and 1971 to receive the wastewater. As many as five lagoons were operated until 1988.

A state permitted lined, off-site landfill (Dean Road Landfill) was constructed in 1982 to receive sludge dredged from a portion of the lagoons. The landfill was situated on a parcel of land, located off-site, across the Hoosic River, and southwest of the tannery building complex.

1.3 Regulatory and Enforcement History

Initial activities related to the site began in 1981 when the tannery applied to operate the Dean Road landfill. Then, in 1985, The Vermont Agency of Natural Resources (VT ANR) issued a letter to the Pownal Tannery alleging deficiencies and maintenance problems at the site. The State of Vermont issued an administrative order for odor control and site clean up in 1988. The site then was added to the National Priorities Site list in January 1999. The ROD from the EPA for site remediation was issued in September 2002.

1.4 Prior Removal Actions and Remedial Investigations

EPA permanently capped the Dean Road landfill and removed the building complex during a Non-Time Critical Removal Action that was completed in 2001. The building complex was

removed of all soil contamination to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA; also known as Superfund) residential standards. The area was regraded and seeded. Under the July 2003 State Superfund Contract between EPA and the Vermont Department of Environmental Conservation (VT DEC), the State of Vermont is performing all operation and maintenance activities for the off-site areas, including the former building complex and the Dean Road landfill.

An RI was conducted by the EPA at the lagoon area in 2000 and 2001 by M&E and TRC. The RI focused on the following areas of the site and media: lagoon area soil, sludge and surface water; warehouse soils; groundwater; Hoosic River surface water and sediment; and wetland/plant/animal identification and delineation. The site-specific human health risk assessment performed as part of the RI concluded that there were potential human health risks in excess of EPA guidelines. These human health risks included exposure of contaminated soils and sludge in lagoons 1, 3, and 5 to future adolescent and adult visitors and adult commercial workers. Thus, the remedial design focused on limiting the exposure to these materials.

2.0 OPERABLE UNIT BACKGROUND

2.1 Selected Remedy

The selected remedy for the lagoon area was presented in the September 30, 2002 ROD, which was supported by the (RI/FS) completed in 2002. This ROD addressed the only operable unit at the site. The selected remedy included the excavation of contaminated sludge materials from Lagoons 1 and 5, consolidation over Lagoon 3 and the southeast corner of Lagoon 4, and capping the consolidated sludge with a cover system to meet Federal and State solid waste requirements. A summary of the site restoration plan is shown on Figure 2-1.

The ROD identified the following remedial action objectives (RAO) for the selected remedy:

- Prevent direct contact with, ingestion of, and inhalation of contaminants in lagoon soil and sludge;
- Prevent direct contact with and ingestion of contaminated sediment in the Hoosic River;
- Prevent continued ecological impacts from the release of contaminants in the lagoons into the Hoosic River and associated wetlands;
- Prevent further releases of lagoon contaminants into the groundwater, surface water, and sediments;
- Prevent discharges of the groundwater beneath the lagoons to the Hoosic River; and
- Provide long-term monitoring of groundwater and river sediments.

According to the ROD, in order to meet RAOs for direct contact and ingestion, it was determined that the affected media would be consolidated and capped (creating a landfill with the lagoon soil and sludge). To satisfy the remaining RAOs, the ROD documented EPA's determination that this selected remedy would involve the excavation of approximately 85% of the saturated sludge which could act as a groundwater migration pathway for contaminants to the surface water and sediments of the Hoosic River. Therefore, capping will reduce the chance for continued migration of contaminants through infiltration and precipitation to the surrounding exposed media.

As part of the risk assessment conducted during the RI/FS, site-specific clean-up criteria, or Preliminary Remediation Goals (PRGs), were developed, representing the maximum contaminant concentrations that do not pose unacceptable risks to human health. Materials containing contaminant concentrations in excess of these clean-up criteria were to be removed and incorporated into the consolidated landfill as part of the remedy proposed by EPA. The clean up levels were developed assuming exposure via dermal contact and ingestion of soil for a future child and adult visitor and future adult commercial worker. The site-specific risk-based clean-up criteria specified in the ROD are summarized in Table 2-1.

Figure 2-1 Site Restoration Plan

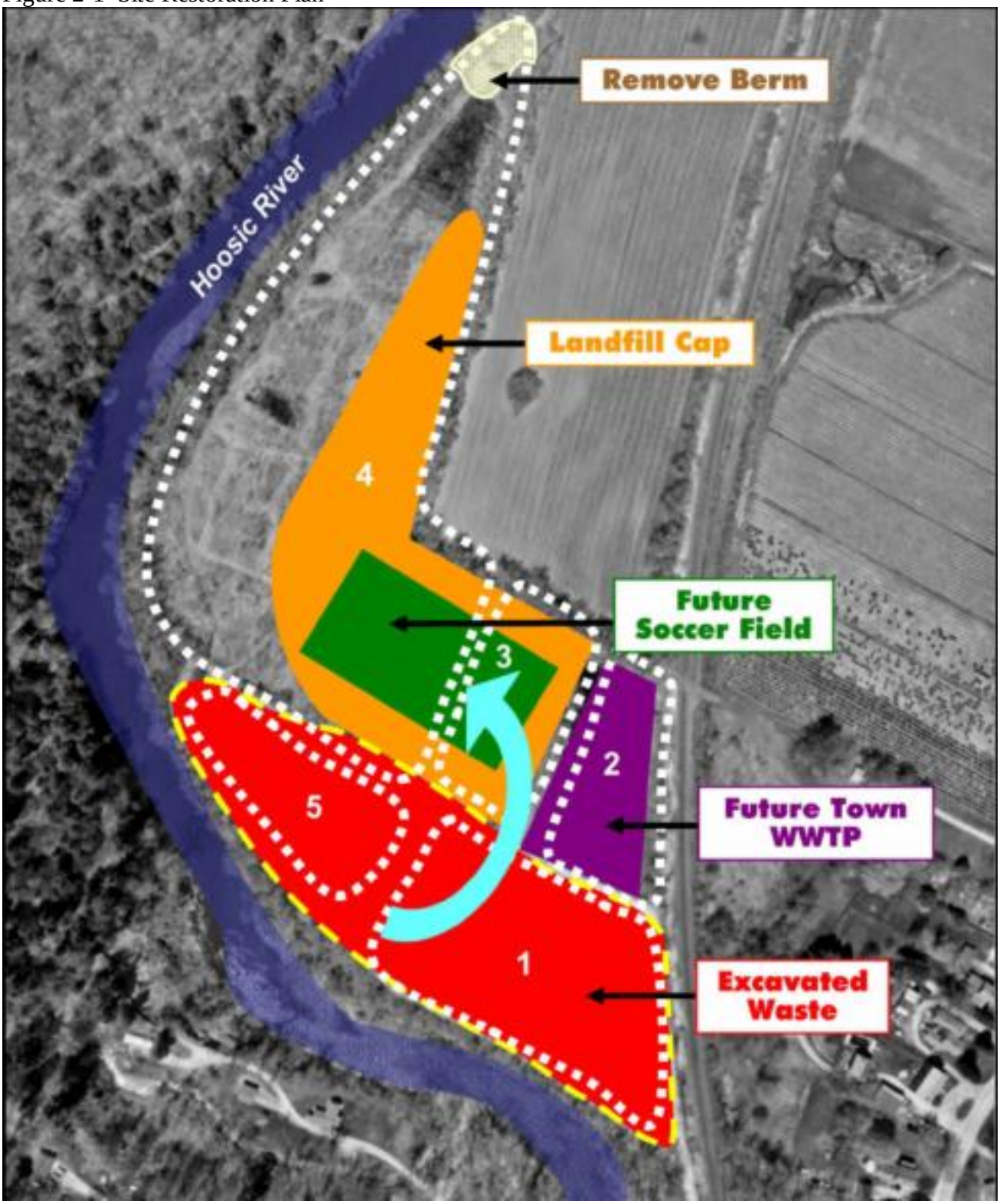


TABLE 2-1 SOIL CLEANUP LEVELS	
Contaminant	Preliminary Remediation Goal (mg/kg)
Benzo(a)anthracene	1.7
Benzo(a)pyrene	0.17
Pentachlorophenol	7.7
N-Nitroso-di-n-propylamine	0.27
Arsenic	1.1
Chromium	733
Mercury	23
Lead	1,000
Dioxin TEQ	0.001

The remedy identified in the ROD included institutional controls in the form of land-use restrictions to limit residential use of the Lagoon Area. These restrictions are to prevent invasive construction at the cap, prohibit residential development and contact with contaminated soils, and to prevent groundwater well installation for potable use.

The ROD requires environmental monitoring consisting of long-term groundwater and sediment sampling. Long-term groundwater sampling is required to check that contaminant concentrations do not increase from existing concentrations. It is anticipated that concentrations will decrease with time through natural attenuation processes. Hoosic River sediment sampling is required to confirm that contaminants of concern are not increasing in concentration as a result of tannery waste left in place.

Implementation of the selected remedy identified in the ROD was anticipated to include the following components:

- Pre-construction activities;
- Erosion and sedimentation controls;
- Construct staging area over Lagoon 2;
- Clearing and grubbing of Lagoons 1, 2, 3, 4 (southeast portion only), and 5;
- Excavation of wastes from Lagoons 1 and 5;
- Consolidation of wastes over Lagoon 3 and the southeast portion of Lagoon 4;
- Construction of a solid waste cover system over the waste sludge;
- Institutional controls;
- Long-term ground water and river sediment monitoring;
- Operation and maintenance of the remedial action;

- Institutional control inspections; and
- Five-year site reviews.

2.2 Remedial Design

Development of a conceptual landfill design appropriate for the site required evaluation of various factors including the volume of material to be landfilled, impacts to the Hoosic River and the intended future use of the lagoon area landfill surface and other site-specific design considerations. Also, the remedial design was performed in two phases to expedite the remedial action and meet an aggressive schedule by allowing construction to start while the remedial design was being completed. Phase I included site preparation tasks such as clearing and grubbing, installation of erosion controls, installation of fencing, debris removal, backfilling Lagoon 2, and preparation of staging areas. Activities addressed by Phase II of the remedial design included the excavation, stabilization and consolidation of lagoon sludge into a landfill, capping of the landfill, backfilling of the excavation, construction water management, air monitoring, and site restoration.

Remedial design activities were initiated in November of 2002. The Phase I 100%design was submitted on May 21, 2003 and approved by EPA on July 10, 2003. The Phase II 100% design was submitted on November 10, 2003 and approved by EPA on November 12, 2003. The design was documented in the Basis of Design Report prepared by TRC, dated February 3, 2003. The remedial design provided the basis for the development of construction documents: technical specifications, contract drawings, quality assurance, project plan, field sampling plan, erosion control plan; hereinafter referred to as the Technical Specifications.

In addition to excavation, backfill and landfill design issues, there were several site-specific regulatory and technical considerations that impacted the overall design, as described below.

2.2.1 Hoosic River Floodplain Issues

The design of the remedial action, particularly the lagoon waste landfill, took into account the potential impacts from the Hoosic River during the 100 year flood. In particular, the Hoosic River modeling study showed that the proposed landfill facility would result in only a minor increase in the 100-year flood elevation in some locations and a decrease in the 100-year flood elevation in other locations adjacent to the site. Furthermore, the upper elevation of the proposed landfill is projected to lie well above the 100-year flood elevation; therefore scour of the upper landfill surface would not be a concern.

Based on input from the VTDEC, additional design requirements included:

- Maintaining the existing river berm height along the south side of Lagoons 1 and 5;
- Creating an outlet for flood waters at the north end of the site;
- Design erosion controls (riprap armor) for the flood outlet and the side slopes of the landfill;

- Maintain a setback of 140 feet between the toe of the landside of the river berm and the toe of the landfill; and
- Backfill and re-grade the lagoon overbank area to maintain positive drainage at a low velocity.

2.2.2 Future Use of the Site

The Town of Pownal received an EPA grant of approximately $100,000 in 2000 to develop one of the first ten national Site Redevelopment Plans. As part of site re-use planning, the Town of Pownal conducted community interviews and forums that identified a desire and need for athletic and passive recreational facilities, including a potential soccer field, nature walk and a skating rink to be constructed after the lagoon system remediation is complete. The Re-use Plan also identified the lagoon area as the location for a municipal Waste Water Treatment Plant (WWTP).

Recreational Use: Several passive recreational uses of the site after remediation were identified including the construction of playing fields on the top of the landfill. The State of Vermont Solid Waste Management Rules require minimum 5% landfill cap surface slopes. However, surface slopes on the order of 5% are considered too steep for a playing field. A slightly flatter slope of 2% was selected for the top surface of the landfill. The following were considered in the design to evaluate the use of the 2% slope:

- The 5% minimum top slope is required to minimize percolation of water through the waste materials, typically municipal solid waste, which has high leaching potential. Data collected during the RI and pre-design studies suggested the leaching potential of the sludge is low;

- Hydraulic modeling (HELP model) was used to evaluate several alternatives to the standard cap required by the Vermont Solid Waste Rules. A cap system with equivalent hydraulic performance, including a 5% slope minimum for the underlying drainage layer and a 2% top slope was selected for the design; and

- Settlement within the sludge and the native clay below the landfill was evaluated and it was determined that differential settlement would not likely create depressions on the top of the landfill.

Town WWTP: The design considered several factors involving the siting of the future WWTP. These include:

- Limits of the landfill footprint in relation to the WWTP;
- Preparation of Lagoon 2 for the WWTP foundation, including preloading and consolidation of the underlying native clay layer;
- Widening of the site access road to accommodate truck traffic; and
- General site grading in the area of the WWTP and coordination of drainage patterns and general site grading.

2.2.3 Lagoon Sludge Stabilization

A pre-design geotechnical study was conducted to determine the engineering properties of the sludge in Lagoons 1 and 5 and to determine the most appropriate construction method for removal and placement of the sludge in the landfill. Unconfined compression tests showed very low undrained shear strengths indicating the sludge would not support the weight of standard construction equipment. As a result, the design included provisions to increase the shear strength of the sludge by stabilization, using chemical reagents. Performance criteria for sludge strength were established in the Technical Specifications to check short and long term stability of the waste mass in the landfill. Laboratory testing showed that quicklime and/or Type II Portland cement could improve the unconfined compressive strength of the sludge to at least 10 pounds per square foot (psi) in three days of curing. Two possible reagent mixes were identified; 11 percent Portland cement, or a combination of 8 percent quicklime and 4 percent Portland cement. The means and methods to apply and mix the reagents were the responsibility of the RA contractor to develop and demonstrate during a "shakedown test".

2.2.4 Air Emissions

During the RI, noxious odors and hydrogen sulfide gas were encountered during invasive site activities in Lagoon 1 and 3. As part of the design, air monitoring and emission control requirements were included in the Technical Specifications in order to protect site workers and off-site residents.

2.2.5 Confirming Limits of Excavation

The RI identified the lagoon sludge as the only media containing contaminants of concern requiring remedial action. It was anticipated that the distinctive color and consistency of the sludge would make the sludge easy to identify and distinguishable from the surrounding native soils. Therefore, the design called for the lateral extent of the excavation within Lagoons 1 and 5 to be determined by inspecting the sidewall of the excavation and confirming that the sludge had been removed.

The extent of the excavation was also limited by two physical boundaries that were identified during the design. The VTDEC requested that the berm separating lagoons 1 and 5 from the Hoosic River be maintained. In addition, the presence of the railroad right of way required the installation of an excavation support system (sheet pile wall) to protect the tracks. Therefore, excavation beyond the river berm and the excavation support system was not included as part of the remedial action. Lastly, excavation within the limits of Lagoons 3 and 4 was only necessary to construct the toe of the landfill slopes.

As noted in the RI, the bottom limit of the sludge consisted of a continuous layer of rounded gravel and cobbles located directly beneath the sludge materials in Lagoons 1 and 5. Because of the very coarse nature of the gravel, collection and analysis of a meaningful confirmatory sample would be impractical. In addition, dewatering would be required to excavate the gravel layer and excessive amounts of potentially contaminated water would be generated. Therefore, the vertical extent of the sludge excavation was based on a visual inspection of the bottom gravel layer.

A layer of black-stained soil was observed in test pits excavated in the berm separating Lagoons 1 and 5. The presence of the stained soil suggests that sludge and or contaminated soil was used to construct this berm. Therefore, this soil was identified for removal and placement within the landfill.

Other soil placed around the lagoons and on top of the sludge were deemed potentially reusable as backfill.

The collection of excavation limit samples was included as part of the Technical Specifications. The purpose of the samples was to obtain data for the existing soil at the limits of the sludge, but not as a basis for continued excavation, as described in Section 5.3.1.

3.0 CONSTRUCTION ACTIVITIES

The site remedy was conducted in two phases and was performed by two separate RA contractors. Phase I included only site preparation activities as described in Section 3.1. Phase II included the activities necessary to complete the remedy as described in Sections 3.2 to 3.8. A construction sequence overview is provided as Figure 3-1. A summary of construction activities and quantities is provided in Tables 3-1 and 3-2.

Except as noted, all work was performed in accordance with the project technical specifications. A summary of design changes and key field changes are listed in Table 3-3. Additional discussion related to construction quality control and quality assurance is presented in Section 5.0.

3.1 Site Preparation

Phase I of the RA included site preparation activities which were conducted in the Fall of 2003, from September through early November. Tantara Corporation of Rehoboth, Massachusetts conducted the site preparation activities. As-built conditions following Phase I work are shown on Sheets C-2 and C-3 in Appendix B. The site preparation activities included the following:

- Site access road and entrance improvements;
- Installation of hay bale and silt fence erosion controls around the work areas at the site;
- Clearing, grubbing, and chipping of trees and brush located around and within the former lagoons to be excavated;
- Abandonment of several existing monitoring wells in and around the lagoons;
- Backfill placement within Lagoon 2;
- Preparation of the proposed waste processing area and landfill footprint;
- Consolidation of debris within the proposed landfill footprint;
- Fence dismantling and replacement; and
- Disposal of asbestos pipe debris.

Initial preparation activities included grading and improving the site's access road, consisting of the placement of gravel at the entrance and in low spots. In addition, hay bales and silt fence were installed around the site for erosion and stormwater sediment control. Hay bales and silt fence were staked in to the ground using 4 foot wood stakes. The erosion controls were placed along the site access road and along the perimeter of the lagoons where tree clearing was conducted.

Tree and brush clearing were initiated with chain saws and small equipment to clear site access pathways and establish temporary stockpile areas. Excavators with mulching and cutting attachments were then used to eliminate standing brush and remove trees and stumps for chipping. Chipping was conducted in a centralized location within the landfill footprint and the wood chips were spread evenly across the ground surface.

Figure 3-1 Sequence of Construction Activities

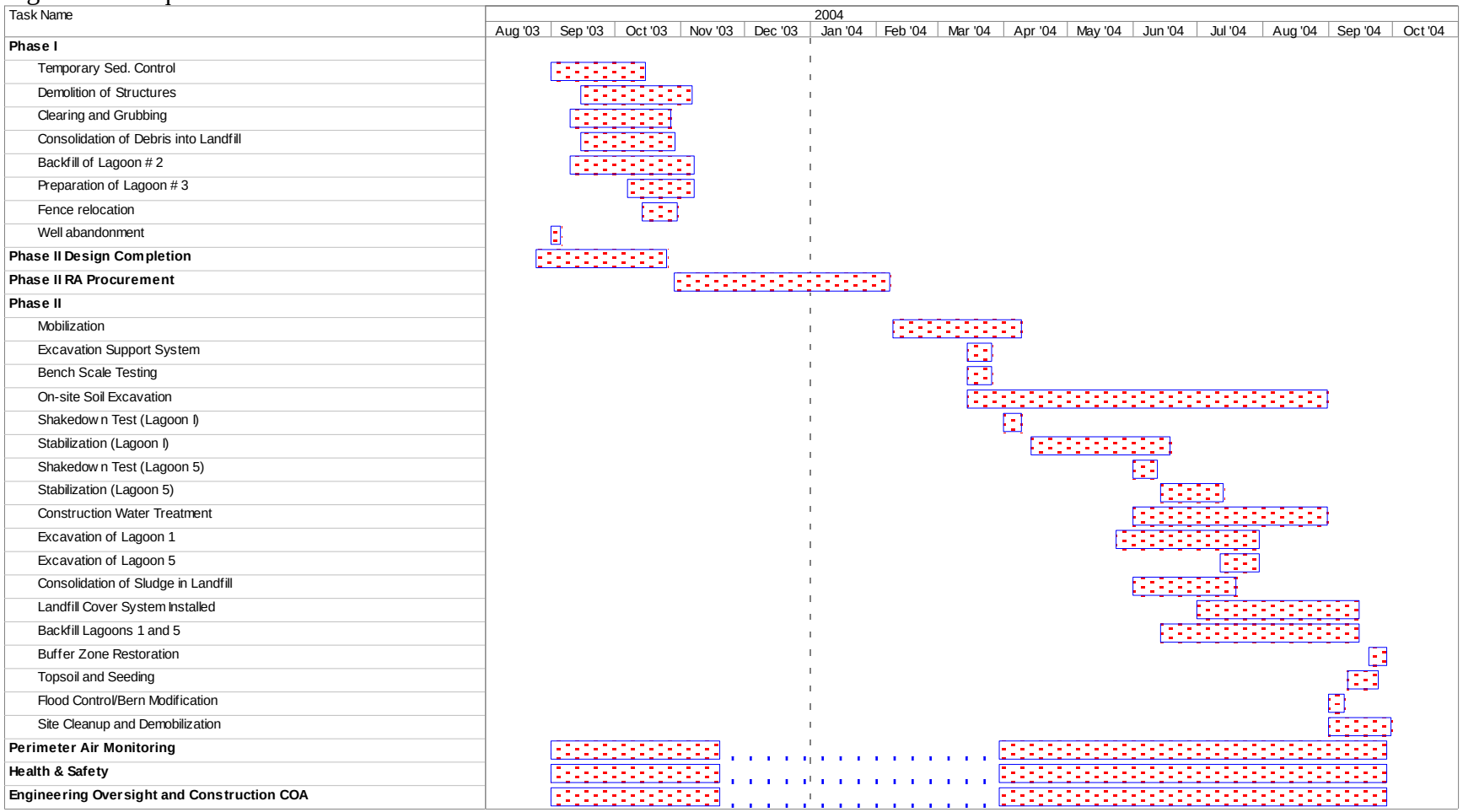


TABLE 3-1 PHASE I FIELD QUANTITIES		
Activity/Item	QTY	Units
Placement of erosion controls (hay bales and silt fence	2,640	LF
Clearing trees and shrubs, on-site chipping	22	Acres
Transport and spreading of wood chips	1,400	CY
Debris disposal (consolidation of wood and concrete in landfill)	200	CY (estimated)
Removal of metal debris (recycled off site)	2	Roll-off container
Removal of 10 LF of transite pipe to Imperial Landfill, Imperial, Pennsylvania	1	CY
Fence removal and relocation on-site	2,280	LF
Lagoon 2 backfill with processed gravel	15,500	CY
Lagoon 3 backfill with processed gravel	730	CY (estimated)
Abandoned/filled existing monitoring wells	16	Each
Dust monitoring and health and safety controls	10	weeks

TABLE 3-2 PHASE II FIELD QUANTITIES		
Activity/Item	QTY	Units
Construction water treatment, including system operation and analytical testing	~4,000,000	Gallons
Perimeter air monitoring - continuous	1	LS
Excavation support system along Lagoon 1 (furnished to an average depth of 20 feet and removed)	1,026	SY
Excavated, stockpiled, analyzed on-site soils	43,274	ton
Place and compacted on-site soils as backfill	41,320	ton
Stabilized, excavated, and compacted sludge from Lagoon 1	~60,000	ton
Stabilized, excavated, and compacted sludge from Lagoon 5	~21,000	ton
Portland cement added to sludge for stabilization	5,876	ton
Gas vent sand layer for landfill (6 inches)	22,270	SY
Installation of passive gas vents	5	ea
40 mil geomembrane installed	26,371	SY
Geocomposite drainage layer installed	20,243	SY
Landfill cover soil installed (2 feet thick or more over the geocomposite layer)	19,613	CY
Crushed gravel placed on landfill side slopes	2,379	CY
Riprap placed on landfill side slopes	9,370	ton
Crushed stone for landfill swales	340	CY
Screened gravel for lagoon backfill in the wet	20,589	ton
General fill imported, placed and compacted in Lagoons 1 and 5	74,638	ton
Furnish and install topsoil: off-cap (4 inches thick)	26,519	SY
Furnish and install topsoil: landfill cap (6 inches thick)	20,773	SY
Hydroseed (native area grass)	41,395	SY
Access road installation (~2,300 linear feet)	1	LS

TABLE 3-2 PHASE II FIELD QUANTITIES		
Activity/Item	QTY	Units
Buffer zone restoration (~2 acres)	1	LS
Trees planted in buffer zone Shrubs planted in buffer zone	85 145	trees shrubs
Erosion control blankets placed over landfill hydroseed	7,780	SY
Boulder perimeter placed on landfill	1,500	LF
Remove and dispose of transite pipe to Waste Management facility in Turnkey, New Hampshire	737	LF
Installed 3 new groundwater water monitoring wells	42	LF
Installed 3 gas probes	30	LF
Modification to Lagoon 4 river berm	1,000	SY

TABLE 3-3 SUMMARY OF DESIGN CHANGES AND KEY FIELD CHANGES	
Specification	Change Description
Backfill density in Lagoon 2 (Phase I)	A design change was implemented to allow the initial 2 6-inch lifts of backfill to meet 90% maximum density (down from 95%) since the subgrade was not previously compacted. The less compact subgrade made it difficult to achieve the 95% requirement applied to the remaining 18 lifts.
Confirmation of strength testing for stabilized sludge (Phase II)	Due to the non-cohesive state of many of the bench scale test samples, additional testing requirement was added to support the unconfined compressive strength testing requirement. The direct shear test was added. Additionally, the UC requirement was adjusted to allow immediate placement; from 10 psi in 3 days, to 4 psi in 1 day.
Geomembrane transmissivity	The transmissivity was slightly lower than specified for a portion of the geocomposite drainage layer material delivered to the site. The material was approved for use as documented in Design Change No. 2. The Design Change concluded that using the geocomposite in question would not compromise the stability of the landfill.
On-site Excavated Soil Reuse	Four risk assessments were conducted on 4 sets of excavated soil data. The risk assessments were conducted to demonstrate that the soil excavated from around the lagoons could be reused on site as backfill since the estimated risks and hazards were within EPA criteria.
Eastern landfill slope toe and gas cut-off trench	Because sludge in Lagoon 3 extended further to the east than expected, several changes were made to the landfill edge detail and gas cut-off trench to cover the sludge and minimize the encroachment of the landfill on the location of the proposed WWTP. Instead of using a second sheet of geomembrane to act as a gas migration barrier, the geomembrane was extended as a single sheet. In addition, a stone drain with perforated pipe was placed along the slope toe in lieu of a grass-lined swale. Surface water drainage was accomplished in a smaller area by using the stone drain.
Liner extension along the southeastern toe	Because the sludge in Lagoon 3 extended further to the south than expected, the geomembrane was extended at the southeast corner of the landfill as documented on the Record Drawings.
Culvert No. 2	The placement of culvert No. 2 was redirected to run underneath the access ramp to discharge to the side swale along the landfill. The redirected flow was less likely to interfere with the construction of the access ramp and future use of the road and parking area.
Boulder perimeter	The size and spacing of the boulder perimeter was changed from 6 inch spacing and 3 feet diameter to a 1½ foot spacing and a 2½ foot height requirement. The change was an aesthetic improvement, matching an existing boulder barrier at the site's entrance.
Tree replacement in riparian buffer zone	Red Maple was planted along the buffer zone in lieu of the Cottonwood and Slippery Elm species called for. The area stock of Red Maple was more hardy than the other species (larger diameter trees were available). As specified, Box Elder species were planted along with the Red Maples.

Note: field changes are documented on the as-built drawings provided as Appendix B.

Debris located across the site were removed and consolidated in the landfill area. Debris items including wood, concrete and other miscellaneous items left behind by others were placed in the landfill. Metal debris were recycled off-site. Several drums (4) were also consolidated after analyses of the drum contents indicated they were non-hazardous. One portion of pipe suspected of containing asbestos was removed from the site for disposal at an asbestos landfill (see Appendix J for a copy of the shipping record).

Former groundwater monitoring wells were decommissioned using a tremie grouting approach. Each well casing was removed to a depth of 3 feet or greater below the ground surface, and backfilled with bentonite/cement grout and fill from the site. A list of abandoned monitoring wells are: PZ3B-02A, -B, and –C; PZ4-14A; PZ4-14B; MW-109U; MW-L-13; MW-114U; MW-L-15; MW-L-12; MW-L-2; MW-L-1; MW-L-5; MW-L-6; MW-L-3; PZ1-02; AND PZ5-10. One well, MW-L-5, was not located but is presumed to be abandoned since it was located within the limits of Lagoon 1, which was excavated during Phase II activities.

The site preparation work included backfilling of Lagoon 2 (formerly a depressed area about 6 to 10 feet below ground surface) for Phase II equipment staging. The backfill type, placement, and grades were coordinated with the Town's treatment plant design engineering firm in order to ensure that these materials and their placement were suitable for later use by the Town. Prior to the EPA site preparation activities, Lagoon 2 was cleared of trees and brush and graded by the Town's contractor. In addition, wick drains were installed by the Town to induce settlement. As part of the RA, a protective fill layer was placed across the lagoon's surface to further aid in subgrade consolidation in preparation for future construction of a wastewater treatment plant.

During site preparation, backfill meeting specified criteria was placed in 6 inch lifts and compacted to 95% of the maximum density. A total of 15,960 cubic yards of fill were placed in Lagoon 2. During backfill placement, 3 settlement measuring devices (monuments) placed by the Town were extended to the new grades. The elevations of the settlement monuments were monitored by the Town's engineering consultant, Forcier Aldrich & Associates.

A portion of Lagoon 3 was also graded and backfilled to prepare an area available for sludge processing as needed during Phase II activities. The area was prepared by clearing brush and debris, grading and compacting the subsurface, and adding sand borrow to raise the elevation and to provide a dense working surface. An earthen berm was placed around the area for future soil stockpile control.

A fence that existed around the lagoons was dismantled. New fence posts were placed along the perimeter of the site (excluding the boundary along the river). The dismantled chain link fence fabric was then recycled by reattaching the fabric against the new posts to construct a new perimeter fence. A gate was installed at the site entrance for project security.

Some additional site preparation activities were accomplished by the Phase II RA contractor. Phase II site preparation and erosion control work are shown on Sheets C-4 and C-5 of Appendix B. These activities included the preparation of the landfill subsurface, installation of on-site truck scales, and the installation of sheet piles (excavation support system). The sheet piles were placed along the access road, between the road and lagoon 1 to support the excavation of

materials from the Lagoon 1 limits. The sheet piles were placed approximately 400 feet along the road to an average depth of about 20 feet.

3.2 Sludge Stabilization and Excavation

The team of NL Construction of Ludlow, Massachusetts and Maxymillian Technologies [MT] of Pittsfield, Massachusetts performed the Phase II RA. Phase II of the RA commenced with sludge remediation. Stabilization was necessary to prepare the lagoon sludge for consolidation and compaction in the landfill. The goal of the sludge stabilization was to increase the shear strength (meet unconfined compressive strength of 10 psi within 3 days) such that standard construction equipment could place and compact the sludge within a relatively short period of time to create the on-site, lagoon waste area landfill. The Phase II RA contractor chose to mix cement with the sludge in-place (in-situ). This method was first demonstrated in a bench-scale test, then further demonstrated during a full scale run (shakedown test, including one for each of the two lagoon areas), prior to full operations. The sludge stabilization and excavation generally proceeded as follows:

Bench scale testing was conducted to verify mixing ratio and procedure;
Full scale shakedown demonstrations were conducted for both Lagoon 1 and 5 to verify the cement mix ratio and observe curing behavior;
Cover soils and berms were removed to allow access to the sludge limits; and
Sludge was stabilized and excavated from Lagoons 1 and 5 and placed in the landfill.

The following subsections describe the details of the sludge stabilization process.

3.2.1 Bench Scale Testing

The Phase II RA contractor conducted bench scale testing (beyond that performed during the FS) to more accurately simulate the in-situ stabilization, followed by excavation, placement and compaction of the sludge. The RA contractor's bench scale test indicated that mixing the sludge with cement improved the strength and density of the material and would potentially meet the required sludge strength criteria of 10 psi in 3 days. The ratios of cement were then applied in the full scale shakedown demonstration. Samples of Lagoon 1 sludge were collected and combined to create a composite sample for the bench scale laboratory testing. Test specimens were prepared in testing cylinders using 8, 10, 12 and 14 percent by weight type I Portland cement. The samples were tested for unconfined compressive strength using ASTM D 1633 after 3, 7, 14 and 28 days of curing time at a certified geotechnical laboratory.

The sample material was then removed from the test cylinders, broken apart, and recompacted in the test cylinders to create a new sample and tested again within one day using D1633 to simulate conditions expected after the stabilized sludge was excavated and placed in the landfill. Based on the results of the bench scale test, the RA contractor selected ratios of 8, 10, 12 and 14 percent by wet weight Type II Portland cement for testing during the shakedown test.

3.2.2 Sludge Stabilization Shakedown Test

The Lagoon 1 shakedown test was performed between April 15 and 30, 2004 to evaluate the RA contractor-selected means and methods for stabilizing the sludge materials and to develop the best cement to sludge ratio to meet the required sludge strength criteria. The Lagoon 5 test was conducted on June 16 and 17, 2004. The shakedown test was conducted as follows:

1) Layout a grid for mixing (cells);
2) Transport the cement to the site in dry form using trucks equipped with a cement blower;
3) Dig a test pit to determine the depth of the sludge in each cell;
4) Apply the cement to the surface of each cell using vented hood equipped with dust filters to minimize the generation of dust;
5) Perform initial mixing of reagent using an excavator bucket or rake attachment;
6) Mix reagent and sludge to full depth using an excavator-mounted, power mixing attachment;
7) Apply a layer of odor control foam on surface of mixing cell, as needed;
8) Allow the sludge/cement mixture to cure in place;
9) Excavate stabilized sludge from each test cell and place in landfill; and
10) Compact in lifts and collect samples for compressive strength and density tests.

The cement to sludge ratio was calculated and controlled using the following procedure:

1) The in-place unit weight of the sludge was estimated and used to calculate the mass of the sludge in the mixing cell;
2) A known mass of cement, usually one transporter truckload, was applied to a known area (each hood was about 20 feet by 25 feet); and
3) Depending on the thickness of the sludge in the mixing cell, the length of the mixing cell was adjusted such that the mass of cement applied would produce a stabilized mixture with the required percentage of cement as determined by the shakedown test.

For Lagoon 1, the cement ratios used were 8%, 10%, 12% and 14%. A total of 25 cells were mixed during the Lagoon 1 shakedown test. Four of the mixing cells with four different cement ratios were used to demonstrate conformance with the performance criteria.

The initial attempts to mix the reagent were not successful in producing a homogeneous product. Although the water content of the sludge was high (more than 2 times the mass of dried sludge) the water was not apparently available to hydrate the cement. The resulting material consisted of clods of unstabilized sludge with a coating of cement. In addition, the stiff consistency of the dry sludge/cement mixture prevented the full penetration of the hydraulic mixing attachment. Surface water from Lagoons 1 and 5 was added to the sludge in order to hydrate the cement and improve the consistency of the material to allow in-situ mixing. The amount of water added was determined on a cell by cell basis and appeared to vary depending on the initial water content of the sludge and the amount of surface and groundwater present in the mixing cell. Enough water was applied to hydrate the cement and improve the consistency of the sludge.

The stabilized sludge was excavated after seven days of in-situ curing and transported to the landfill for compaction and to perform the shakedown laboratory testing. The excavated material (approximately 25 cubic yards from each cell) was placed in three 12-inch lifts, which were each compacted with a 10-ton smooth drum compactor. Each portion of placed and compacted material measured approximately 20 ft. long, 10 ft. wide, and 36 inches high. Samples were collected from each mixing cell and tested to determine the maximum dry density and optimum water content by ASTM D 698. The in place density of the placed sludge was measured using a nuclear density gauge to determine percent compaction. Samples were collected for unconfined compression testing at a geotechnical laboratory by pushing Shelby tubes into the compacted lifts. The shakedown test results are presented in the Shakedown Summary Report dated May 12, 2004 in Appendix G.

The shakedown test demonstrated that Portland cement improved the unconfined compressive strength of the sludge at ratios of 10% and greater to allow placement and compaction of the material in a stable mass (met the 10 psi criteria). The sludge mixed with 8% cement had low strength and appeared too soft to support construction equipment.

The performance criteria for the stabilized sludge were revised in Design Change No. 1 to account for the high water content but sometimes non-cohesive behavior of the stabilized sludge. In some cases the high water content prevented compaction of the sludge to a minimum of 90% of the maximum dry density. The sometimes non-cohesive behavior of the stabilized sludge prevented the collection of a test specimen that could be tested for unconfined compressive strength, even though the material clearly had sufficient shear strength to be placed and compacted. Details regarding the Design Change, the performance criteria and the testing results are provided in Section 5.6 of this report.

A ratio of 10% was used for Lagoon 1, and 12% was used for Lagoon 5. The reason for the higher cement percentage was attributed to slightly different engineering properties of the sludge and the larger amount of surface and groundwater in Lagoon 5.

3.2.3 Lagoon Sludge Stabilization

Stabilization was generally conducted in a similar manner as in the shakedown demonstrations. Cement was added and mixed using a customized vented, metal hood (to minimize dust), an excavator, and an excavator equipped with a power mixer (“Allu” Power Mixer). Water was applied during mixing along with continuous air monitoring. Cement was delivered via tanker truck and pumped through the hood to the surface of the sludge.

Since the cement volume placed at each cell was identical, and the only way to control the percent of reagent used was to vary the cell size (i.e., cement needed to be applied over a larger area where it was determined that the sludge was thinner) test pits were advanced in each area to determine the actual depth of sludge prior to stabilization. On average, the bottom gravel layer (vertical limit) within Lagoon 1 was between 9 and 10 feet below the surface of the sludge, and 4 to 5 feet below the surface in Lagoon 5. Stabilization was tracked using a numbered grid system (cells). A figure of the cell layout is provided with the stabilization conformance testing in Appendix G. A total of 250 cells were marked out.

Each cell was initially mixed with the excavator bucket in order to facilitate cement mixing to the bottom of each cell. Water was introduced as needed to hydrate the cement and improve the consistency of the sludge. The excavator mounted power mixer was then used to complete the mixing and produce a well-blended material. Mixing was determined to be complete once clumping of cement was no longer visible and a uniform color and consistency appeared within the mixing cell.

Several cement tanks were staged on-site each day and rotated out as they were emptied. The cell locations were staggered in order to provide the curing time and strength gain required to allow the excavators and other equipment to travel across the mixed cells.

3.2.4 Soil Excavation

Uncontaminated soil materials were present on top of the sludge in Lagoon 1 and a portion of the sludge in Lagoon 5. The sludge in Lagoon 1 was historically capped with a layer of clay ranging in thickness between 1 and 3 feet. It was determined that it was not possible to selectively remove the clay cover prior to stabilization because it was difficult to reach and separate from the sludge. It also had a low shear strength so it would not likely support equipment without stabilization. Therefore, most of the clay cover was stabilized with the sludge.

Granular soils associated with the berms were known to be present on top of the sludge around the edges of Lagoons 1 and 5. Excavation of these un-impacted berm soils proceeded in conjunction with the shakedown test and full-scale stabilization. The berm soil and soils overlying the sludge were carefully excavated to approximately 2-inches above the surface of the sludge. Care was taken to prevent any sludge or visually stained soil from being excavated with the overlying material.
The berm soils and cover soils excavated from Lagoons 1 and 5 were stockpiled on-site for possible reuse on site as backfill. The soils were stockpiled mainly within the footprint of the landfill, or in the partially-backfilled Lagoon 1 area as available space in the landfill became occupied by stabilized sludge. Samples of the excavated berm soil were collected and analyzed in a laboratory for contaminants of concern. Many of the samples taken exceeded the clean up criteria for arsenic, chromium, benzo(a)pyrene, and benzo(a)anthracene. Therefore, a site-specific risk assessment was performed for each stockpile to confirm that the soils could be reused as backfill. In all cases, the conclusions of the site-specific risk assessment were that the soils exhibited risks below EPA thresholds and could be use as backfill. Details regarding the analytical testing results and risk assessment are provided in Section 5.4 of this report.

In order to track stockpiled soil for sampling, assessment, and reuse, several windrows of stockpiles were managed (recorded as windrows [WR] numbers 1 to 9). Windrows consisted of several stockpiles placed adjacent and against other stockpiles to save space. Each of the first 6 windrows contained 5 stockpiles consisting of approximately 1,000 tons of soil each, for a total of approximately 5,000 tons in each windrow. Windrows numbered 7, 8, and 9 contained approximately 1,000, 3,000, and 1,000 tons respectively. All windrows were reused as backfill and, as recorded by weight scales, a total of approximately 41,000 tons of excavated soil were managed for reuse.

3.2.5 Air Monitoring and Control During Stabilization

Continuous perimeter monitoring for VOCs, H_2S and particulates was conducted each day from up to 60-minutes before intrusive activities began each morning and up to 30-minutes after mixing was completed in the evening. As per the project specifications, monitoring was conducted at different locations of the site depending on the changing wind direction (one upwind and three downwind).

The use of cement for stabilization (reacts to suppress hydrogen sulfide), water, and suppressing foam were used to control odors, particularly from hydrogen sulfide, and dust. Odor control foam was applied to the surface of stabilized cells in order to minimize air emissions while the stabilized mixture was curing. See also Section 3.9.

3.2.6 Construction Water Handling

As stabilization progressed, ponded water from within Lagoon 1 was pumped to each cell for mixing. Excess water within the lagoon was pumped to Lagoon 5 for temporary storage and later treatment though the on-site treatment system.

During excavation of stabilized sludge, construction water and surface water were continually pumped from a sump and treated by the on-site water treatment system and discharged to the Hoosic River. The water treatment system consisted of a settling tank, a 1,000,000 gallon settling basin lined with geomembrane, two 3,000-pound sand media filters, a bank of bag particulate filters, and two 5,000-pound granular activated carbon vessels. The system effluent was directed to a 10 foot length of 4-inch diameter perforated PVC pipe, which was staked within the Hoosic River as the discharge point. Concerns regarding erosion were alleviated because the water was discharged at the surface of the River and not on the riverbank. A pilot test was conducted prior to discharging treated water to demonstrate that the treatment system was effective.

Water was discharged to the river at a maximum rate of 400 gallons per minute. A total of over 4 million gallons of water were treated during sludge excavation.

Details of the treatment system water sampling procedures and analytical results are presented in Section 5.5.

3.3 Stabilized Sludge Consolidation

The stabilized sludge was excavated and placed in the landfill between May 10, 2004 and July 12, 2004. Excavation was performed in parallel with stabilization when possible to accelerate the schedule. The excavated material was placed in all-terrain dump trucks, weighed using on-site scales, and dumped in the landfill. A total of 81,139 tons of stabilized sludge was excavated and transported to the on-site lagoon waste area landfill for consolidation and capping. The actual limit and depth of the excavation is shown on Sheet C-6 and the final surface of the stabilized sludge placement in the landfill is shown on Sheet C-8 in Appendix B.

Within the landfill, the stabilized material was spread in 12-inch lifts with a bulldozer and compacted with a 10-ton vibratory roller. Once compacted, the material was allowed to cure for several days as additional material was placed and compacted in other areas of the landfill. Quality control testing was performed on the stabilized materials to check proper compaction and shear strength as required by the Technical Specifications. Details of the quality control testing are provided in Section 4.6 of this report.

Some of the overlying soils and berm soils adjacent to the sludge contained excessive amounts of debris (1,900 tons) or appeared to be mixed with sludge and debris (8,200 tons). These impacted soils were also excavated and placed in the landfill. The impacted soils were granular in nature and did not require stabilization to improve strength. Debris was also encountered at the northeast corner of Lagoon 1 and the southern berm between Lagoon 1 and the Hoosic River. The debris consisted of lumber, stumps, leather strips, ash and cinders. These materials were excavated and placed directly in the landfill where they were spread in lifts and compacted.

Air emissions were controlled during excavation using water mists to control dust and the application of odor control foam to the exposed excavation sidewalls as needed. See also Section 3.9.

Groundwater and surface water entering the excavation were treated via the on-site water treatment system and then discharged to the River.

3.4 Landfill Cap Construction

Upon placement and grading of the stabilized sludge, the cover system was constructed to permanently cap the stabilized sludge, control runoff and avoid sludge contact with precipitation, withstand a river flood event (riprap armoring), and control migration of potential landfill gas. Key cover system components included:

- Gas vent sand/foundation layer (6 inch lift over the stabilized sludge);
- Geomembrane (40-mil linear low density polyethylene [LLDPE]);
- Geocomposite drainage layer (tri planar drainage net, dual geotextile);
- Crushed gravel and riprap;
- Vegetative support layer (24 inch layer); and
- Topsoil (6-inches) and hydroseed.

For the portion of the landfill that faces north and east, the side slopes were constructed with the vegetative support layer and topsoil. For the portion that faces south and west (towards the river), crushed stone and riprap were placed to provide flood protection. A typical cross section of the cover system materials is shown on Sheet C-14. The constructed geomembrane liner is shown on Sheet C-8A and the final landfill cap surface is shown on Sheet C-9 in Appendix B.

Grass-lined and stone-lined drainages swales and slope-toe drains were constructed as part of the cover system. These components were constructed to control and direct stormwater flow away from the landfill. The constructed stormwater controls are shown on Sheet C-10 in Appendix B.

Typical construction practices were utilized to construct the landfill cover system, including low-ground pressure heavy equipment for placing and spreading the earthen material layers. Professional liner installation crews were used to place and weld the geomembrane liner and stitch the geocomposite drainage layer.

During construction activities, to address field conditions and good construction practices, several field changes were implemented specific to the landfill cap (See Table 3-3).

3.5 Post Excavation Backfill

Backfill (also referred to as general fill) was placed within the excavations of Lagoons 1 and 5 upon removal of stabilized sludge. Final grades in the backfilled areas are shown on Sheet C-9 in Appendix B. The key objectives of backfill placement were to:

- Maintain a level surface at the site and provide a surface at an elevation greater than the groundwater table;
- Prevent groundwater flow into the excavations during stabilized sludge removal;
- Provide positive drainage from the southeastern portion of the site towards the northwestern corner (downstream direction of river; and away from the location of the future wastewater treatment plant); and
- Provide flood capture and relief for periods of overbank flow (high river water).

A combination of materials were used to provide backfill at the site, including imported general fill, imported screened gravel, imported topsoil, and soil excavated from the site and reused (on-site soils).

Screened gravel was used in areas at and below the water table due to its dense, free-draining properties which allowed placement of the material without major dewatering and compaction efforts. Imported general fill and excavated on-site soil were then used over the screened gravel to meet the established grades, with topsoil placed over the general fill to allow seeding and planting. Backfill at the site was provided and placed in accordance with the project specifications as discussed in Section 5.7.

On-site Soil Reuse. On-site excavated soil was also used as general fill. Sources of the on-site soil included lagoon berms and access roads that existed prior to remediation activities. Stockpiles of on-site soil were sampled and analyzed in accordance with the Technical Specifications. After the site-specific human health risk assessment confirmed that the soils were below EPA risk thresholds, the soils were used as backfill (see Section 5.4 for a description of the risk assessment process for the reuse of on-site soil as backfill). On-site soil was placed in accordance with project specifications (as general fill) and covered with two feet of imported general fill and topsoil

3.6 Site Restoration Activities

Several construction activities were conducted as part of site restoration upon completion of the landfill cap and backfilling of the lagoons. Final site surface features and grades are shown on Sheet C-12 in Appendix B. Along with the demobilization of equipment and materials, key activities included:

- Topsoil and seed placed within the footprint of the former Lagoons 1 and 5, and along the berm separating these lagoons and the river;
- Riparian buffer zone planting along the river berm;
- Establishment of site access road to and around the landfill;
- Placement of gates and fencing; and
- Modification to the downstream river berm for flood control.

Topsoil and hydroseed were placed across the backfilled lagoons, the river berm, and other disturbed areas in accordance with the project specifications. The hydroseed placed in most areas include typical native seed mixtures with mulch to support proper seed growth.

Within the designated riparian buffer zone planting area (approximately 2 acres along the river berm), a New England Conservation/Wildlife seed mixture was placed to support native wildlife typical of riparian areas. In addition, within the riparian buffer zone area, native shrubs and trees were planted: 30 Box Elder trees; 25 Red Oak trees; 30 White Pine trees; and 45 Shadblow, 55 Black Chokeberry, and 45 American Witch hazel shrubs. These included 10 trees and 10 shrubs in addition to those shown on the design drawings. The constructed limit of the buffer zone restoration area is shown on Sheet C-11 in Appendix B.

The access road entrance to the site was graded and compacted using road gravel. An operation and maintenance staging area was also constructed at the start of the landfill perimeter access road. Using general fill, crushed gravel, and road gravel, a perimeter access road along the landfill edge was created to support maintenance activities at the site. Gates to these roads were constructed and fencing and a boulder barrier were placed around the landfill perimeter.

An additional component of the RA included a modification to the northern area of the river berm for flood support (refer to Section 2.2.1). The berm modification is shown on Sheets C-10 and C-12 in Appendix B. Approximately 125 linear feet of the berm was removed to an elevation of 500 feet in order to provide drainage of the site during periods of high water (over topping of the river bank) [see Figure 2-1]. This area acts as an outlet during site flooding, and was modified with riprap placed over a geotextile layer.

3.7 Monitoring Wells and Gas Probes

Newly installed groundwater monitoring wells were located at the site to support future monitoring efforts for the landfill. Three new wells (MW-201, -202, and -203) were constructed in accordance with project specifications as shown on the as-built drawings (see Sheet C-12 in Appendix B). The construction logs for the wells are shown in Appendix I.

For monitoring landfill gas migration towards the north, three (3) gas probes were installed as shown on the as-built drawings (see Sheet C-12 in Appendix B). These probes were placed outside of the landfill and beyond the liner extension along the northern border. The probes are equipped with monitoring points to allow for the collection of gas samples.

3.8 Asbestos Removal

During the excavation of on-site soils, several portions of transite pipe (historically used for tannery discharge to the lagoons) were removed from the berms around Lagoons 1 and 5. Some of these pipes were observed to be transite pipes that typically contain asbestos fibers. Transite pipes were removed during both Phases of work. Approximately 10 linear feet of pipe were removed during Phase I and 737 linear feet were removed during Phase II activities. Excavated pipe was wrapped in plastic prior to removal from the ground. Then, the wrapped pipe lengths were placed in a roll-off container for off-site disposal at an approved disposal facility. The shipping records for the pipe disposal are located in Appendix J.

3.9 Perimeter Air Monitoring and Worker Health and Safety

During all phases of work, a perimeter air monitoring program was provided to monitor for the presence of contaminants in the air along the limits of the site. For Phase I activities, dust was continuously monitored. During Phase II activities, upwind and downwind air space was monitored for dust, hydrogen sulfide, and VOCs on a continuous basis using 4 monitoring stations and additional portable stations within work areas. Site action levels were predetermined during the remedial design to be protective of workers and nearby residents.

Perimeter air monitors and personal air monitors were equipped with alarms to notify site workers when dust, hydrogen sulfide, and VOC emissions were above site action levels. When site alarms sounded, countermeasures such as ceasing site operations until levels subsided, applying foam and water to suppress odors, and/or upgrading to a higher level of personal protective equipment (i.e, full-face respirator with supplied oxygen), were immediately implemented. As a result, there were no incidences of impacts to workers and minimal detection of odors by residents. Data collected as part of the air monitoring program are provided in Appendix E.

The Action Limit for particulate matter was equal to a downwind monitor reading 54 $\mu g/m^3$ greater than the upwind monitor. Some exceedances of the Action Limit occurred. Cement off-loading to the vented hoods caused particulate exceedances on nine days ranging in time from 30 to 250 minutes. Water was used to suppress dust on all occasions. On three occasions, small releases of cement from the cement hood led to the exceedances, and at these times, work was halted until corrections were made. Other activities that led to particulate exceedances include heavy vehicle traffic (including large dump trucks), excavation, grading activities and hydroseeding conducted immediately adjacent to the monitoring equipment. Such occurrences happened on 15 work days and spanned over time periods ranging from 30 to 150 minutes. Dust suppression methods were applied when needed. On six days, high humidity led to particulate exceedances that lasted up to 120 minutes.

Exceedances of the VOC monitoring Action Limit occurred when the 15 minute time weighted average (TWA) was greater than 5 ppm. Vehicles idling near air monitors caused exceedances for a short period on two days. Efforts were made to limit idling after these incidences. In early July, grading and dumping activities produced three 15 minute exceedances. VOC exceedances were attributed to high humidity on three days over the course of work, with these exceedances ranging from 15 to 120 minutes in the early morning hours.

An exceedance of the Action Limit for H_2S was defined as a one hour TWA greater than 0.1 ppm. There were no exceedances for H_2S during the remedial activities.

As part of the health and safety program for the workers, a majority of the sludge stabilization work was performed in OSHA Level C personal protective equipment (PPE) - full face respirators, especially the laborers in and around the lagoons during mixing and excavation operations. In addition, the cabs of the heavy equipment conducting the mixing were equipped with supplied oxygen, thus the equipment operators were generally performing work in Level B PPE.

Also as part of the health and safety program, the contractors provided a full-time health and safety officer (for all work). A site specific health and safety plan was provided and implemented for each phase of work. The program included routine monitoring of workers, continuous maintenance of safe working conditions, and daily and weekly safety briefings for all workers.

Figure 3-2 Site Remediation in progress

Figure 3-3 Completed Site Remediation

4.0 CHRONOLOGY OF EVENTS

The following table summarizes the site regulatory history:

TABLE 4-1. SUMMARY OF SITE CHRONOLOGY	
Date/Year	Activity
12/30/1981	Pownal Tannery applies for a permit to construct and operate a lined landfill.
01/21/1982	The Vermont Agency of Natural Resources (VT ANR) determined that the sludge in the lagoons should not be regulated as hazardous waste.
06/09/1982	A disposal facility certification was issued to permit construction and operation of a lined landfill.
1985	The VT ANR issued a letter to the Pownal Tannery alleging deficiencies and maintenance problems at the site.
1987	Two thirds of the landfill was closed and covered by the Pownal Tanning Company.
04/06/1988	The Vermont Agency of Environmental Conservation issued an Administrative Order to Pownal Tannery requiring odor control, excavation of sludge from Lagoon 2, preparation of a cleanup plan for Lagoons 4 and 5, further testing of groundwater, and a complete risk assessment.
1993	A time-critical removal action was conducted by EPA to remove compressed gas cylinders, asbestos-containing materials, and various containers of hazardous materials.
1995	The hazard Ranking System Package was completed as part of the CERCLA site listing process.
09/29/1998	The site was proposed for the National Priorities List (NPL).
01/11/1999	The site was added to the NPL.
08/1999	The Town of Pownal was awarded a Superfund Redevelopment Initiative Grant from EPA to study reuse options for the site after remediation is complete.
1999 to 2001	EPA conducted a non-time critical removal action (NTCRA) to decontaminate and demolish the tannery buildings, remove contaminated soils along the Hoosic River, and permanently cap the Dean Road landfill.
02/2001	The Town completed the reuse study. The plan includes construction of a sewage treatment plant, a skating rink, recreational open areas and nature trails through the Lagoon Area.
09/30/2002	EPA Record of Decision completed indicating plans for excavation and capping of Lagoons 1, 3 and 5.
11/2003	Remedial design completed.
11/30/2003	Phase I site preparation activities completed.
09/30/2004	Phase II site lagoon area remediation completed.

5.0 PERFORMANCE STANDARDS AND CONSTRUCTION QUALITY CONTROL

The following sections describe the methods and approaches applied during the construction phases to meet project quality objectives.

5.1 Overview of Performance Standards

The performance standards for the project are defined by the Remedial Action Objectives (RAO) and soil clean up criteria presented in the ROD. Table 5-1 summarizes the RAOs and the action taken as part of the RA to meet the RAOs.

In addition to the RAOs, component-specific performance standards were developed as part of the design to meet Applicable and Relevant and Appropriate Requirements (ARARs). The RA was designed to meet the ARARs identified in the ROD. A full discussion of ARARs is presented in the Basis of Design Report. The ARARs and the associated performance standards are summarized in Table 5-2.

5.2 Overview of Construction Quality Procedures

A number of quality procedures were used to monitor, evaluate and document the quality of construction work and materials, and check the remedial action was constructed per the intent of the RAOs and the design. The following documents were developed and provided as part of the Technical Specifications:

CQA Plan – A Construction Quality Assurance Plan (CQA Plan) was prepared and used during construction to define the roles and responsibilities of parties involved in the construction of the remedy.

Field Sampling Plan – A Field Sampling Plan (FSP) was prepared and followed to provide soil and water sampling procedures and guidelines to obtain the analytical data required to complete the RA.

QAPP – A Quality Assurance Project Plan was prepared and followed to provide quality control procedures and guidelines to produce analytical data of acceptable quality for soil and water samples.

Construction quality control (QC) and assurance (QA) procedures include standard practices involving observations of work, review of plans and material data, field measurements and verifications, and laboratory testing. For purposes of meeting the project requirements, the RA subcontractor conducted quality control of work, M&E and TRC provided CQA. Summaries of QC and QA procedures are provided in the following sections, with documentation of results provided in appropriate tables and appendices.

TABLE 5-1. SUMMARY OF REMEDIAL ACTION OBJECTIVES	
Remedial Action Objective (RAO)	Remedial Action to Meet RAO
Prevent direct contact with, ingestion of, and inhalation of contaminants in lagoon soil and sludge	All sludge, and visibly impacted soil were excavated to the physical limitations and placed under landfill cap.
Prevent direct contact with and ingestion of contaminated sediment in the Hoosic River	All sludge, and visibly impacted soil were excavated to the physical limitations and placed under landfill cap. The landfill cap was designed to resist erosion from flooding that could have caused redistribution of impacted media to the River, possibly contaminating sediment.
Prevent continued ecological impacts from the release of contaminants in the lagoons into the Hoosic River and associated wetlands	All sludge, and visibly impacted soil were excavated to the physical limitations and placed under landfill cap. The landfill cap was designed to resist erosion from flooding that could have caused redistribution of impacted media to the River.
Prevent the further release of lagoon contaminants into the groundwater, surface water, and sediments	All sludge, and visibly impacted soil were excavated to the physical limitations and placed under landfill cap. The landfill cap was designed to resist erosion from flooding that could have caused redistribution of impacted media to the River. The excavated sludge is now above water table and under the impermeable cap.
Prevent the discharge of the groundwater beneath the lagoons to the Hoosic River	The excavated sludge is now above water table.
Provide long-term monitoring of groundwater and river sediments	A long term monitoring plan has been developed for the site. The plan will be implemented by the VTDEC.

TABLE 5-2. SUMMARY OF ARAR-RELATED PERFORMANCE STANDARDS		
ARAR and the Affected RA Component	Performance Standard	Performance Evaluation
Vermont Solid Waste Rules - Landfill	Control landfill gas. Control storm water run on and runoff. Control ponding of water on surface. Minimum cap barrier layer, 24 inches soil with $k=10^{-5}$ cm/sec. Minimum slope of 5% on geomembrane. Maximum slope of 3H:1V.	Gas vents provided. Stormwater controls provided. Surface graded to provide drainage. Geomembrane provided. Minimum slope maintained. Maximum slope not exceeded.
Executive Order 11988, Floodplain Management Guideline - Lagoon berms - Landfill	Avoid long and short term adverse impacts associated with occupancy and modification of floodplains.	Berm lowered at downstream end of Lagoon Area to facilitate floodwater conveyance. River modeling shows no increase in floodwater elevation. Landfill placed as far away from river channel as possible. Landfill cap designed to resist erosion.
Vermont Act 250 Land Use Permit - All on-site components - Off site borrow pits	Permit considers 10 criteria for evaluating impacts to the local community and environment.	A Plan for Minimizing Environmental and Public Impacts was developed and followed. The specifications required the use of soil borrow pits that met the requirements of Act 250.
Vermont Wetland Rules - On-site wetlands and buffer zones.	Protect significant wetlands.	No significant wetlands were impacted. Wetland and riparian buffer zones were restored if impacted by construction.
Vermont General Permit for Stormwater Runoff From Construction Sites (NPDES) - All earth disturbing activities.	Minimize erosion and sedimentation due to construction activities.	An Erosion and Sediment Control Plan was prepared and followed during construction.
Vermont Water Quality Standards - Temporary water treatment system.	Maintain surface water quality.	Discharge criteria were developed for the temporary water treatment system with input from the VTDEC. There were no exceedences of the criteria.

5.3 Excavation Confirmation Sampling and Analyses

Following the excavation of stabilized sludge, confirmatory soil samples were collected from the sidewalls of the excavation for chemical analysis in accordance with the FSP (Sheet C-6 in Appendix B). The sampling was conducted at 100 linear foot intervals around the perimeter of the lagoons. Samples were not collected on the eastern side of the Lagoon 1 excavation due to the presence of the sheet pile wall. Two samples were collected at each location; one grab sample was collected from approximately two feet below the top of the excavation, and one grab sample was collected approximately two feet above the bottom of the excavation.

A total of 38 samples were collected from 19 locations and submitted for laboratory analysis. All soil samples were analyzed for semivolatile organic compounds (SVOCs) using SW-846 method 8270C with both full scan and selective ion monitoring (SIM) approaches, metals using SW-846 methods 6020A and 7471A, and dioxin/furans using SW-846 method 8290.

5.3.1 Results of Confirmational Sampling

The chemical analyses were performed in accordance with the QAPP. Copies of the validated analytical laboratory data are presented in Appendix M. Table 5-3 summarizes the concentrations of contaminants that exceeded the PRGs established during the RI/FS.

The RAOs regarding the excavation of contaminated sludge and soil were clarified by the EPA and VTDEC during the design process. Both agencies recognized certain physical limitations at the site that may limit the extent of the excavation. At a minimum, however, the agencies agreed that all of the sludge in the lagoons would be removed to the extent practical and consolidated in the landfill. The physical limitations included; the gravel layer at the bottom of the lagoons, the sheet pile excavation support system protecting the railroad right of way, and the lagoon berm separating Lagoons 1 and 5 from the River. The increased potential for significant site disruption due to a flood event, and the loss of riparian habitat and cover were cited as reasons for not breaching the berm along the River. It was agreed that confirmatory sidewall soil samples would be collected when a visual inspection indicated that the sludge was removed, but that no additional excavation would be required where physical limitations were encountered. It was agreed that the analytical data would be used in the development of institutional controls for the site.

Of the 38 samples, all samples exceeded the arsenic PRG of 1.1 ppm [1.4 to 9.6 ppm]. Several samples also contained concentrations of benzo(a)pyrene, benzo(a)anthracence, and chromium above the PRGs. The range and distribution of these compounds were very similar to site wide concentrations encountered during the RI and may be considered close to background concentrations for the site. The results are also similar to the results for the excavated and reused on-site soil, for which risk assessments demonstrated no risk to human health based on future use assumptions (discussed in Section 5.4 below). Institutional controls are anticipated to be implemented at the site to address these results.

TABLE 5-3. EXCAVATION LIMITS SAMPLE RESULTS

Sample ID	Approximate Sample Elevation	Compound Detected & Clean up Goal/PRG:							
		Benzo(a)pyrene		Benz(a)anthracene		Arsenic		Chromium	
		170 ug/kg		1700 ug/kg		1100 ug/kg		733,000 ug/kg	
CS-001	508	180		230		4600	J	780,000	J
CS-002	504	1400		1600		9300	J	11,000,000	J
CS-003	508	2400		2900		6500	J	2,000,000	J
CS-004	504	37,000		44,000		7100	J	5,300,000	J
CS-005	506	960		1100		5100	J	1,800,000	J
CS-006	502	430		530		4900	J	1,300,000	J
CS-007	507	250		360		5700	J	1,700,000	J
CS-008	503	1200		1400		5400	J	210,000	J
CS-009	507	630		720		5400	J	1,600,000	J
CS-010	503	530		630		4600	J	150,000	J
CS-011	507	83		120		4100	J	78,000	J
CS-012	502	24	U	120	U	5200	J	12,000	J
CS-013	507	360		480		6700	J	49,000	J
CS-014	503	360	J	450	J	5700	J	150,000	J
CSE-014	503	480		600		5300	J	310,000	J
CS-015	506	350		290		2900	J	48,000	
CS-016	502	23	U	120	U	4900	J	9,000	
CSE-016	502	24	U	120	U	3900	J	9,400	
CS-017	505	72		81	J	2900	J	480,000	
CS-018	499	410		380		4200	J	90,000	
CS-019	505	200		210		3700	J	32,000	
CS-020	497	37		120	U	3400	J	18,000	
CS-021	502	66		76	J	3600	J	880,000	
CS-022	496	26	U	130	U	2600	J	9,500	
CS-023	506	290		270		4000	J	43,000	
CS-024	498	92		91	J	3500	J	190,000	
CS-025	504	22	U	110	U	3400	J	27,000	
CS-026	496	22	U	110	U	1400	J	7,200	
CS-027	503	85		93	J	2000	J	680,000	
CS-028	496	25	U	120	U	4000	J	10,000	
CS-029	501	34		120	U	2600	J	220,000	
CS-030	495	24	U	120	U	3100	J	30,000	
CS-031	502	1100		1700		2600	J	1,400,000	
CS-032	494	5700		5600		4900	J	67,000	
CS-033	498	500	J	530	J	9600	J	130,000	
CSE-033	498	350		340		4900	J	98,000	
CS-034	494	210		210		4200	J	190,000	

TABLE 5-3. EXCAVATION LIMITS SAMPLE RESULTS					
Sample ID	Approximate Sample Elevation	Compound Detected & Clean up Goal/PRG:			
		Benzo(a)pyrene	Benz(a)anthracene	Arsenic	Chromium
		170 ug/kg	1700 ug/kg	1100 ug/kg	733,000 ug/kg
CS-035	498	200	180	7100 J	830,000
CS-036	507	310	200	5200 J	1,000,000
CS-037	497	710	700	5000 J	440,000
CS-038	507	270	250	4600 J	410,000

Datum for sample elevations, NVGD 1929.

U = Not detected at the specified quantitation limit

J = Estimated value

Cleanup goals/PRGs are listed per the *Record of Decision, Pownal Tannery Superfund Site, Pownal, Vermont*, September 2002.

Exceedances are indicated in bold.

5.3.2 Data Validation

All data were subjected to a Tier II validation by an independent party using the Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses, December 1996, and the USEPA Contract Laboratory Program National Functional Guidelines for Chlorinated Dioxin/Furan Data Review, August 2002. These validation protocols were modified, as necessary, to include method-specific and QAPP-specific criteria. Selected data points were qualified due to quality control nonconformances. In general, the results of the validation indicated that the data were valid as reported and usable for decision-making purposes. The following limitations apply to the excavation confirmation soil sample data.

- The results for pentachlorophenol cannot be used to achieve project objectives in samples CS-016 and CS-033 as these results were deemed unusable due to matrix spike recovery nonconformances;

- The positive result for benzo(a)anthracene in sample CS-033 may be biased low due to a matrix spike recovery nonconformance. This result falls below the cleanup criterion by a minimal amount; and

- The positive result for chromium in sample CS-001 may be biased high due to a matrix spike recovery nonconformance. This result exceeds the cleanup criterion by a minimal amount.

These limitations did not affect the remedial action since the data was not used to make any decisions during the project. The data was collected for future reference and will be used to develop institutional controls or deed restrictions after the remedial action construction is complete. These limitations should be taken into consideration if the data is used in the future.

5.4 Reuse of On-site Excavated Soil

Berm and lagoon cover soils (on-site soils) were excavated from Lagoons 1 and 5 and stockpiled for possible reuse on site as backfill. Samples of the excavated on-site soils were collected and analyzed in accordance with the QAPP for the cleanup criteria. Soils with concentrations exceeding the clean up criteria were placed in the landfill or reused as backfill after a site-specific risk evaluation was performed. The site specific risk assessment was conducted to determine if an unacceptable risk would exist if the soils were reused as backfill.

Samples were collected for chemical analysis at a frequency of one composite sample per 1000-tons of re-used soil, managed in 9 larger stockpiles, called windrows, of up to 5,000 tons each. The composite samples were prepared using soil from eight separate locations within each 1,000-ton stockpile. The soil at each location was collected with a stainless steel spoon at a depth of 12-inches below the surface of the stockpile. The soil from each location was placed into a stainless steel bowl, thoroughly mixed and containerized as a composite sample.

All soil samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs) using SW-846 methods 5035A/8260B, TCL SVOCs using SW-846 method 8270C with

both full scan and SIM approaches, target analyte list (TAL) metals using SW-846 methods 6020A and 7471A, and dioxin/furans using SW-846 method 8290. Select soil samples were analyzed for total chromium only using SW-846 method 6010B and hexavalent chromium using SW-846 methods 3060A/7199A. Four ancillary analyses were also performed concurrently with the hexavalent chromium analyses in order to properly evaluate the data and included pH by SW-846 method 9045C, oxidation-reduction potential (ORP) by ASTM method D1498, sulfide by SW-846 method 9030B, and ferrous iron by Standard Method 3500-FeD.

5.4.1 Results of Excavated Soil Samples

Laboratory analysis indicated that all of the soil samples contained one or more contaminants of concern (COC) that exceeded the cleanup criteria (primarily arsenic, chromium, and benzo(a)pyrene). The concentrations of COCs exceeding the cleanup criteria are summarized in Table 5-4. Because the concentrations were marginally greater than the cleanup criteria, risk assessments were used to evaluate whether the soils could be safely used as backfill. The validated laboratory data tables are presented in Appendix N.

5.4.2 Data Validation

All data were subjected to a Tier II validation by an independent party using the Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses, December 1996, and the USEPA Contract Laboratory Program National Functional Guidelines for Chlorinated Dioxin/Furan Data Review, August 2002. These validation protocols were modified, as necessary, to include method-specific and QAPP-specific criteria. Selected data points were qualified due to quality control nonconformances. In general, the results of the validation indicated that the data were valid as reported and usable, and did not impact the risk assessments. The following limitations apply to the soil reuse sample data.

- Potential uncertainty exists for the positive result for benzo(a)pyrene in sample SC-025 due to variability exhibited in the associated field duplicate pair. The actual result could be higher and above the project action level as exhibited in the associated field duplicate sample (SCE-025);

- The positive results for chromium in samples SC-029 and SC-031 may be biased high due to a matrix spike recovery nonconformance. These results exceed the cleanup criterion by a minimal amount. These could be lower and below the cleanup criterion; and

- The results for antimony cannot be used to achieve project objectives in samples SC-039 and SC-040 as these results were deemed unusable due to matrix spike recovery nonconformances.

- The data validation issues do not change the results of the risk assessments for the reuse of the on-site excavated soil.

TABLE 5-4. EXCAVATED SOIL REUSE SAMPLES – PRG EXCEEDANCES						
Sample ID	Compound Detected and Clean Up Goal					
	Benzo(a)pyrene		Arsenic		Chromium	
	170 ug/kg		1100 ug/kg		733,000 ug/kg	
SC-001	607		4300		2,500,000	
SC-002	552		5400		2,800,000	
SC-003	337		5100		2,000,000	
SC-004	287		4600		2,000,000	
SC-005	166		8800		1,300,000	
SC-006	291		3900		1,800,000	
SCE-006	123		4000		1,700,000	
SC-007	85.6		4000		1,600,000	
SC-008	275		4100		680,000	
SC-009	355	J	4500		180,000	
SC-010	97.1	J	4600		260,000	
SC-011	124		4400		250,000	
SC-012	547		4600		850,000	
SC-013	449		4800		2,500,000	
SC-014	137		5400		1,400,000	
SC-015	333		5400		750,000	
SC-016	NA		NA		1,900,000	
SC-017	NA		NA		2,300,000	
SC-018	NA		NA		2,120,000	
SC-019	NA		NA		1,410,000	
SCE-019	NA		NA		1,740,000	
SC-021	NA		NA		1,030,000	
SC-022	85		4000	J	640,000	J
SC-023	66		3000	J	330,000	J
SC-024	110		3100	J	280,000	J
SC-025	84	J	3500	J	190,000	J
SCE-025	230	J	3900	J	400,000	J
SC-026	110		3700	J	200,000	J
SC-027	130		4700	J	560,000	J
SC-028	120		2900	J	420,000	J
SC-029	79		3600	J	830,000	J
SC-030	1100		4200	J	350,000	J
SC-031	70		3300	J	960,000	J
SC-032	130		4400		230,000	
SC-033	320		3100		170,000	
SC-034	110		3100		260,000	
SC-035	110		3900		140,000	
SCE-035	110		3600		99,000	
SC-036	98		3700		160,000	
SC-037	240		3600		120,000	
SC-038	24	U	3800		520,000	J
SC-039	96		4500		370,000	J

TABLE 5-4. EXCAVATED SOIL REUSE SAMPLES – PRG EXCEEDANCES				
Sample ID	Compound Detected and Clean Up Goal			
	Benzo(a)pyrene	Arsenic	Chromium	
	170 ug/kg	1100 ug/kg	733,000 ug/kg	
SC-040	63	3600	150,000	J
SCE-040	81	3800	120,000	J
SC-041	180	3600	320,000	J

NA = Not applicable; analyzed only for chromium and hexavalent chromium.

U = Not detected at the specified quantitation limit

J = Estimated value

Cleanup goals/PRGs are listed per the *Record of Decision, Pownal Tannery Superfund Site, Pownal, Vermont*, September 2002.

Exceedances are indicated in bold.

5.4.3 Risk Assessment and Reuse of Cover Soils

As part of the Feasibility Study conducted prior to the remedial design, risk-based PRGs were conservatively developed for the soil/sludge, based on a cancer risk of 10^{-6} and a noncancer hazard index of 1. Actual sampling and analysis results of the excavated cover and berm soils indicated levels of COCs slightly in excess of the PRGs (cleanup criteria) initially developed for the remedy.

In order to determine whether the stockpiled cover and berm soils may safely remain on-site (reuse as backfill), supplemental site-specific risk assessments were conducted to determine whether future exposure to these cover and berm soils would result in an exceedance of the EPA target risk range. There were a total of 35 samples collected in order to characterize the soil for reuse and risk assessment (plus an additional 6 for special metals analyses). The samples represented a total of about 41,000 tons of excavated soil. The risk assessments were conducted based on the availability of soil for reuse and laboratory sample turn-around time. Thus, there were a total of 4 supplemental risk assessments (Appendix L).

In all cases, the risk associated with future exposure to the cover and berm soils did not exceed the EPA target risk range despite exceeding the PRGs. Therefore, the stockpiled and tested on-site soils were reused as backfill in the lagoons. During placement as backfill, the locations of these soils were recorded, and all reused on-site soil were overlain by with a minimum of 2 feet of imported fill and topsoil. The placement activities were confirmed by field observations.

A summary of the risk assessment results are shown on Table 5-5. The risk assessment details (Supplemental Risk Assessment Memoranda and calculation tables) are provided in Appendix L.

5.5 Construction Water Treatment Sampling and Analyses

Prior to use of the construction water treatment system, a pilot test of the system was performed prior to discharging any on-site construction water. The pilot test consisted of pumping approximately 20,000 gallons of water from Lagoon 5 through the treatment system. The treated water was temporarily containerized in a fractionation tank pending the results of analytical tests of the water. Analytical results indicated that the containerized water was well within the discharge limits identified in the QAPP. In addition, toxicity testing on the treated water indicated no adverse impacts. Based on the toxicity test, it was determined that the water could be discharged at the 400 gpm flow rate specified without adverse impacts to the River. Tables of validated construction water sample results are presented in Appendix O.

TABLE 5-5. SUMMARY OF RISK ASSESSMENT RESULTS FOR ON-SITE COVER SOIL			
Exposure Point (Represented Stockpiles)	Date of Risk Assessment Memorandum	Carcinogenic Risk[a]	Non-Carcinogenic Risk[b]
WR#1: Samples SC-001, -002, -003, -004, and -005	June 22, 2004	2E-05	3E-01
WR#2: Samples SC-006, -007, -008, -009, and -010	June 22, 2004	1E-05	2E-01
WR#3: Samples SC-011, -012, -013, -014, and -015	June 22, 2004	2E-05	2E-01
WR#4: Samples SC-022, -023, -024, -025, and -026	July 6, 2004	7E-06	9E-02
WR#5: Samples SC-027, -028, -029, -030, and -031	July 6, 2004	2E-05	1E-01
WR#6 Samples SC-032, -033, -034, -035, and -036	July 19, 2004	7E-06	1E-01
WR# 7 Sample SC-037	July 19, 2004	5E-06	8E-02
WR#8 Samples SC-038, -039, and -040	August 26, 2004	7E-06	1E-01
WR#9 Sample SC-041	August 26, 2004	5E-06	8E-02

Note – samples SC-016 through SC-021 were collected for chromium analyses and to evaluate speciation.
a: the carcinogenic risk shown is the cumulative, reasonable maximum exposure for adult and child receptors. Acceptable EPA cancer risk management range is 10^{-6} to 10^{-4}
b: the noncarcinogenic risk is shown as the hazard quotient using the reasonable maximum exposure for adult and child receptors. EPA noncarcinogenic target risk (maximum) is 1.

Influent and effluent samples were collected at each 100,000 gallons of treatment/discharge until the discharge quantity reached 500,000 gallons. Once treatment/discharge reached 500,000 gallons, the sampling interval increased to once every 1,000,000 gallons. The influent samples were collected from a sampling port installed at the inlet of the settling tank. The effluent sample was collected from a port located at the outlet of the second GAC vessel. Each sample was preserved, containerized, packaged and transported for laboratory analysis in accordance with the QAPP, as observed in the field.

All construction water treatment influent and effluent samples were analyzed for select VOCs using SW-846 methods 5030A/8260B, select SVOCs using SW-846 method 8270C, select metals using SW-846 methods 6010B, 6020A, and 7470A, cyanide using SW-846 method 9014, polychlorinated biphenyl (PCB) homologues using EPA method 680, and 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) using SW-846 method 8290. All samples were also analyzed in the field for pH and turbidity.

A total of over 4,000,000 gallons of water were treated and discharged during the sludge stabilization and excavation backfilling tasks. A total of 26 influent and effluent samples were collected. The final influent/effluent samples were collected on July 21, 2004. Contaminant concentrations were below the discharge criteria in all of the effluent samples collected.

From an analytical/chemistry perspective, there were two minor deviations from the QAPP which were approved at the onset of the program and did not affect the quality of data generated. These deviations were as follows:

- The use of SW-846 3510C instead of SW-846 3520C to extract samples for SVOC analysis. Although SW-846 3520C is the preferred extraction method for the phenolic compounds, the discharge limits for the phenolic compounds were significantly high enough where a slightly less efficient extraction method would not significantly affect the overall decision-making; and

- The use of full scan SVOC analysis for all SVOCs. Since the laboratory was able to achieve the discharge limits for all SVOCs using the full scan approach, the use of selective ion monitoring (SIM) analysis was not required for these samples.

All data were subjected to a Tier II validation by an independent party using the Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses, December 1996, and the USEPA Contract Laboratory Program National Functional Guidelines for Chlorinated Dioxin/Furan Data Review, August 2002. These validation protocols were modified, as necessary, to include method-specific and QAPP-specific criteria. Selected data points were qualified due to quality control nonconformances. In general, the results of the validation indicated that the data were valid as reported and usable for decision-making purposes. The following limitations apply to the construction water treatment sample data.

- The nondetect results for 2,3,7,8-TCDD in the effluent samples DW-018 (collected on 7/7/04) and DW-022 (collected on 7/13/04) exhibited quantitation limits that exceeded

the discharge criteria. Therefore, for these samples, it cannot be definitively determined if 2,3,7,8-TCDD is below the discharge criteria.

No action was necessary as a result of the data validation limitation above since other samples indicated no detection of this compound above the discharge criteria.

5.6 Sludge Stabilization Confirmation Testing

The Technical Specifications required quality control testing of the stabilized sludge to check that the materials were sufficiently compacted and stabilized to meet the intent of the design. The original performance standards consisted of compaction in the landfill to the maximum practical density, the ability to compact after three curing days, an unconfined compressive strength of 10 psi or greater after three curing days, and no visible free liquids during transportation.

The unconfined compressive (UC) strength requirement (and test) was selected assuming samples of the stabilized sludge would be collected shortly after mixing when the material was still soft and cohesive. During the bench scale and shakedown testing, it was found that sometimes the UC test results were non-conclusive because much of the excavated material had become non-cohesive due to the curing that occurred during the delay between stabilization and excavation. Therefore, a direct shear test and a minimum shear strength requirement (i.e. a minimum shear stress at a specified normal stress) were added to the performance standards in order to evaluate the strength of the non-cohesive material. In addition, the compaction requirements were clarified to account for higher stabilized sludge water content than expected. The details of the performance standard modifications are presented in Design Change No. 1 (Appendix D).

A total of 41 samples were collected for unconfined compressive strength testing, one for each production day. The UC strength was found to be greater than the required 4 psi for all of the cohesive samples. The direct shear test was performed to evaluate the strength of the non-cohesive materials at a frequency of one sample for every 5,000 tons of stabilized sludge. A total of 19 samples were collected and tested in direct shear. The shear stress of all of the samples tested in direct shear was greater than the required value of 327 psf. Copies of the UC and direct shear laboratory reports are presented in Appendix G.

A total of 24 samples of the stabilized sludge were collected and tested to determine the maximum dry density and optimum water content. The percent compaction of the stabilized sludge was tested at 171 locations using a nuclear density gauge. All of the stabilized sludge was compacted to 90 percent of the maximum practicable density as defined in Design Change No. 1.

5.7 Lagoon Backfill

During Phase I activities, the former Lagoon 2 and a portion of Lagoon 3 were backfilled using a sand borrow material. The sand borrow was a uniformly graded sand, with particle sizes less than 2 inches. The sand borrow was placed as follows:

- Source testing was conducted for grain size analysis (ASTM D422) and moisture/density relationship (ASTM D698);
- Placement occurred using bulldozers and compactors (rollers) in one lift of 6 inches, and lift thickness was checked by hand excavating test borings;
- This lift was checked for density (95 percent compaction of maximum) and moisture using field measuring devices (ASTM D2922/3017);
- Areas not meeting compaction requirements were recompacted and retested until passing results were achieved. Occasionally, water was added to improve compaction efforts; and
- One lift of gravel was placed at the surface of the backfilled areas.

During Phase II activities, the areas excavated (Lagoons 1 and 5) were backfilled. Materials used at the site for backfill within these lagoons and for site restoration included on-site and imported general fill, imported screened gravel, and imported topsoil. Quality control requirements included source testing and follow-up testing, based on frequencies of delivered materials, to indicate that materials met project specifications. Additionally, requirements for in-place density of general fill were required.

Placement of lagoon backfill occurred according to the following procedure:

- Source testing was conducted for grain size analysis (ASTM D422), classification, and moisture/density relationship (ASTM D698);
- Placement at the site occurred using bulldozers and compactors (rollers) in lifts of 12 inches;
- Each lift was checked for density (percent compaction) and moisture using field measuring devices (ASTM D2922/3017); and
- Areas not meeting compaction requirements were recompacted and retested until passing results were achieved. Occasionally, water was added to the general fill to improve compaction efforts.

It should be noted that the screened gravel used was a self-compacting fill placed in wet areas and density testing was not a requirement. Topsoil was compacted using only the weight of the placement equipment (bulldozer or excavator) in order to allow root growth for newly placed seed.

Fill quantities and testing frequencies are shown on Table 5-6.

5.8 Landfill Cap Construction Quality Control and Quality Assurance Results

The following subsections summarize the QA/QC conducted for the various layers of the landfill cover system.

5.8.1 Gas Vent Sand/Foundation Layer

A 6-inch lift of gas vent sand was placed across the landfill, over the stabilized sludge, to support the geomembrane liner and to provide for lateral landfill gas migration (towards the gas vents). This gas vent sand layer consisted of a granular material with a minimum hydraulic conductivity of $1x10^{-3}$ cm/sec. Placement of this material occurred as follows:

- Source testing was conducted for grain size analysis (ASTM D422) and moisture/density relationship (ASTM D698);
- Placement occurred using bulldozers and compactors (rollers) in one lift of 6 inches, and lift thickness was checked by hand excavating test holes;
- This lift was checked for density (92 percent compaction of maximum) and moisture using field measuring devices (ASTM D2922/3017); and
- Areas not meeting compaction requirements were recompacted and retested until passing results were achieved. Occasionally, water was added to improve compaction efforts.

The gas vent sand was also placed to meet proposed contours and slope requirements. In some locations near the top of the landfill slopes, a thickness greater then 6 inches was necessary to achieve the design grades. These locations met the density requirements stated above.

Material quantities and testing frequencies are shown on Table 5-6.

5.8.2 Geomembrane Layer

Quality control and quality assurance procedures were conducted to check that the geomembrane material and installation were sufficient to meet the intent of the design. QA/QC procedures included:

- The project specific CQA Plan was followed as observed by the QA Engineer;
- The geomembrane manufacturer's quality control data for the delivered material were reviewed by the QA Engineer and found to be in conformance with the Technical Specifications;
- Conformance samples of the delivered geomembrane material were collected by the QA Engineer and tested at an independent laboratory as required in the Technical Specifications;
- Samples of the geomembrane were collected by the QA Engineer and tested with the project-specific gas vent sand and geocomposite materials to confirm that the minimum interface friction values were attained for cap stability;
- The surface of the geomembrane subgrade (i.e. gas vent sand) was inspected by the QA Engineer and certified by the installer to be acceptable before placing the geomembrane;
- Quality control tests were conducted by the installer of the geomembrane as required by the Technical Specifications;
- Samples of seam were cut from the installed geomembrane by the QA Engineer and tested at an independent laboratory for peel and shear strength; and
- The QA Engineer observed the geomembrane installation and field QC testing.

TABLE 5-6 MATERIAL QA/QC TESTING FREQUENCIES				
Material	Quantity Delivered	Type of Test	Frequency	No. of Actual Tests
Process Gravel for Lagoon 2	15,500 cubic yards	Source testing for grain size analysis and classification	1 per source	2
		Sieve analysis, moisture/density relationship - delivered material	1 per 5,000 cubic yards	5
		Compaction and moisture – field placement	5 per acre	246
General fill for Lagoons 1 and 5	75,000 tons (~46,000 cubic yards)	Source testing for grain size analysis and classification	1 per source	1
		Sieve analysis, moisture/density relationship - delivered material	1 per 5,000 cubic yards	10
		Compaction and moisture – field placement	5 per acre/lift	220
		Lift thickness	2 per acre	(daily)
Screened Gravel for Lagoons 1 and 5	20,600 tons (~14,000 cubic yards)	Source testing for grain size analysis and classification	1 per source	1
		Sieve analysis - delivered material	1 per 5,000 cubic yards	3
Topsoil (off-cap)	26,519 square yards (~3,000 cubic yards)	Source testing for grain size, classification, organic content and nutrients	1 per source	1
		Conformance testing (same as above)	1 per 2,500 cubic yards	2
Stabilized Sludge	81,000 tons	Unconfined compressive strength	1 per production day (mixing)	47
		Direct shear test	1 per 5,000 tons	19
		Compaction and moisture – field placement	3 per production day (mixing)	192
Gas vent sand	22,270 square yards (~3,700 cubic yards)	Source testing for grain size analysis and classification	1 per source	1
		Sieve analysis, moisture/density relationship - delivered material	1 per 5,000 cubic yards	2
		Compaction and moisture – field placement	5 per acre	27
		Lift thickness	5 per acre	(daily)
Geomembrane (40 mil)	26,371 square yards	Manufacturer's quality control information	Submit prior to installation	1
		QA conformance testing (various properties)	1 per lot or 50,000 SF	5
		Interface friction with gas vent sand and geocomposite	1 with gas vent sand and 2 with	3

TABLE 5-6 MATERIAL QA/QC TESTING FREQUENCIES				
Material	Quantity Delivered	Type of Test	Frequency	No. of Actual Tests
			geocomposite	
		Trial welds	2 per day	Each day
		Pressure testing of dual track fusion welds	All seams	All seams
		Vacuum testing of extrusion welds	All seams	All seams
		QA destructive seam testing	1 per 1,500 LF	8
Geocomposite drainage layer	20,243 square yards	Manufacturer's quality control information	Submit prior to installation	1
		QA conformance testing (transmissivity and peel)	1 per lot or 50,000 SF	5
		Interface friction with geomembrane and cover soil	2 with geomembrane, 1 with cover soil	3
Geotextile material	Quantity part of other items	Manufacturer's quality control information	Submit prior to installation	1
		QA conformance testing (various properties)	As requested	2
		Interface friction with crushed gravel	1 each	1
Vegetative support layer (landfill cover soil)	19,613 cubic yards	Source testing for grain size analysis and classification	1 per source	1
		Sieve analysis, moisture/density relationship - delivered material	1 per 2,500 cubic yards	10
		Compaction and moisture – field placement	5 per acre/lift	83
Topsoil on Landfill	20,773 square yards (3,400 cubic yards)	Source testing for grain size, classification, organic content and nutrients	1 per source	1
		Conformance testing (same as above)	1 per 2,500 cubic yards	2
Crushed gravel for side slopes	2,379 cubic yards	Source testing for grain size analysis and classification	1 per source	1
Crushed /Road gravel for access road	Lump sum item	Source testing for grain size analysis and classification	1 per source	1
		Sieve analysis, moisture/density relationship - delivered material	1 per 5,000 cubic yards	1
		Compaction and moisture – field placement	5 per acre/lift	34
Riprap	9,370 tons	Source testing for hardness properties	1 each	1

The conformance samples were tested for thickness, density, asperity height, carbon black content and dispersion, and tensile characteristics. The results of the conformance sample testing met the requirements of the Technical Specifications for the geomembrane material properties. An interface friction test was also performed on geomembrane and gas vent sand materials delivered to the site. The geomembrane to gas vent sand interface friction value of 35.7 degrees was greater than the minimum required value of 26 degrees. Conformance and interface friction laboratory test reports are included in Appendix H.

The technical specifications required the geomembrane installer to perform several QC tests including the following:

- Trial welds were produced for each welding machine and tested for strength prior to any full-scale seaming. Welding machines were not used until a passing trial weld was produced;
- All dual track fusion welds were air pressure tested to check continuity. All failing seams were repaired and retested, with passing results; and
- All extrusion welds and repairs were tested for leaks using the vacuum box method with passing results.

As part of QA, all of the seam samples cut from the installed geomembrane layer met the Technical Specification minimum values for peel and shear strength. The laboratory test reports are included in Appendix H.

Quality assurance reports with the installer QC test data records are included in Appendix H.

A sample was also collected from the geotextile material used in the cap construction and tested at the laboratory for conformance with the Technical Specifications. The test values for tensile properties, puncture resistance, and tear resistance all met the requirements of the Technical Specifications. A sample of the geotextile was also collected and tested for interface friction with a sample of the crushed gravel. The measured interface friction angle of 45.2 degrees was greater than the required minimum value of 26 degrees.

5.8.3 Geocomposite Drainage Layer

Quality control and quality assurance procedures were conducted to check that the geocomposite drainage layer material and installation were sufficient to meet the intent of the design. QA/QC procedures included:

- The project specific CQA Plan was followed as observed by the QA Engineer;
- The geocomposite manufacturer's quality control data for the delivered material was reviewed by the QA Engineer and found to be in conformance with the Technical Specifications;
- Conformance samples of the delivered geomembrane material were collected by the QA Engineer and tested at an independent laboratory as required in the Technical Specifications;

- Samples of the geocomposite were collected by the QA Engineer and tested with the project-specific cover soil material to confirm that the minimum interface friction value was attained for cap stability; and
- The QA Engineer observed the geocomposite installation for conformance with the Technical Specifications.

The geocomposite conformance samples were tested for transmissivity, and geotextile-to-drainage net ply adhesion (peel strength). Samples from five rolls of geocomposite (Rolls Nos. 400165, 400202, 400240, 400270 and 0406179) were collected and tested. Initial test results for Rolls 400165, 400202 and 400240 did not meet the required transmissivity value. The rolls were retested after it was discovered that the samples had been placed in the testing device in the wrong direction. The sample from Roll No. 400165 failed again and seven rolls (400165 through 400171) associated with a separate production run were rejected and taken off the site. The remaining material was accepted and installed in the landfill cap.

The sample from Roll No. 0406179 represented a second shipment of geocomposite that was needed to complete the project. The transmissivity for this roll, while slightly below the specified value was accepted for use in accordance with Design Change No. 2 (Appendix D).

Samples of the geocomposite were also collected and tested for interface friction with the actual geomembrane and cover soil materials delivered to the site. The geocomposite to cover soil interface friction value of 34.9 degrees was greater than the minimum required value of 26 degrees. Two interface tests were conducted using the geomembrane and samples from Roll Nos. 400174 and 400202. Both tests produced acceptable friction angles of 26.2 degrees and 26 degrees, respectively. Conformance and interface friction laboratory test reports are included in Appendix H. Quality assurance reports with documentation of quality assurance inspections of the geocomposite installation are included in Appendix H.

5.8.4 Vegetative Support Layer/Cover Soil

A 24-inch layer of material was placed across the landfill, over most of the geocomposite drainage layer to support the topsoil and vegetation. The layer, or cover soil, consisted of a silty sand with a maximum particle size of less then 2 inches. Placement of this material occurred as follows:

- Source testing was conducted for grain size analysis (ASTM D422) and moisture/density relationship (ASTM D698);
- Placement occurred using low-ground pressure bulldozers and compactors (rollers) in several lifts of 12 inches or less, and lift thickness was checked by hand excavating test holes;
- This lift was checked for density (90 percent compaction of maximum for the first lift, and 92% for lifts above the first 12 inches) and moisture using field measuring devices (ASTM D2922/3017); and
- Areas not meeting compaction requirements were recompacted and retested until passing results were achieved. Occasionally, water was added to improve compaction efforts.

The landfill cover soil was also placed to meet proposed contours and slope requirements. In some locations, a thickness greater then 24 inches was necessary to achieve the design requirements and good construction practices. These locations met the density requirements stated above.

Material quantities and testing frequencies are shown on Table 5-6.

5.8.5 Crushed Gravel and Riprap

As part of the landfill cover system, a layer of crushed gravel and riprap were used on the landfill side facing the river to provide resistance against flood erosion. This erosion protection included a 12-inch layer of crushed gravel placed over geotextile material on top of the geomembrane. Two feet of riprap was placed over the 12-inch layer of crushed gravel. Crushed gravel consisted of a fine graded subbase material with particle sizes less than 2 inches. The riprap for the landfill consisted of angular stone with a maximum diameter of 15-inches. Placement of these materials occurred as follows:

- For crushed gravel, source testing was conducted for grain size analysis (ASTM D422) and moisture/density relationship (ASTM D698), and source testing for riprap consisted of an abrasion test and source inspection;
- Placement of crushed gravel occurred using low-ground pressure bulldozers and compactors (rollers). Gravel was placed in lifts of 12 inches, and lift thickness was checked by hand excavating test holes;
- Riprap was placed using an excavator to cast the stone over the gravel for an even distribution. Riprap was placed 2 feet thick where required, with a greater thickness if needed to maintain good construction practices (transition to placement boundaries);
- Crushed gravel lifts were checked for density (90 percent compaction of maximum) and moisture using field measuring devices (ASTM D2922/3017);
- Areas of gravel not meeting compaction requirements were recompacted and retested until passing results were achieved. Occasionally, water was added to improve compaction efforts; and
- Riprap placement limits and thicknesses were verified via field observations.

Crushed gravel and riprap were placed as part of the landfill cap in accordance with the proposed contours and slope requirements.

Material quantities and testing frequencies are shown on Table 5-6.

5.8.6 Access Road

An access road was constructed along the southern and western perimeter of the lagoon area landfill for maintenance purposes. In addition, a staging area was created to provide equipment and vehicle parking as needed. The access road and staging area were built up to final elevations using compacted general fill. General fill was provided and placed in accordance with Section 4.7 above. The access road was completed with 12 inches of crushed gravel, placed over geotextile materials, and 6 inches of road gravel at the surface.

The crushed gravel was provided and placed in accordance with Section 4.8.5 above. The top layer of road gravel consisted of 1-inch minus material meeting Vermont Agency of Transportation specification for surface course aggregate. Placement of these materials occurred as follows:

- Source testing was conducted for grain size analysis (ASTM D422) and moisture/density relationship (ASTM D698);
- Placement using bulldozers and compactors (rollers). Gravel was placed in lifts of 12 inches up to preset grade markers;
- Gravel lifts were checked for density (95 percent compaction of maximum) and moisture using field measuring devices (ASTM D2922/3017); and
- Areas of gravel not meeting compaction requirements were recompacted and retested until passing results were achieved. Occasionally, water was added to improve compaction efforts.

Material quantities and testing frequencies are shown on Table 5-6.

5.8.7 Topsoil and Seeding

Topsoil was placed over the vegetative support of the landfill. Hydroseed was used to provide vegetative growth on the topsoil. The topsoil used was a natural topsoil from a nearby source. Soil amendments were not used.

Source testing of the topsoil consisted of nutrient consistency, organic content, and material classification. Placement of topsoil included the use of bulldozers and excavators. Topsoil was not compacted using rollers. Finish grading was performed with a power grader. Final lift thickness of topsoil was 6 inches, and was checked by hand excavating test holes.

Seed for grass consisted of a state specification for road slopes and shoulders, which was verified in the field using delivery certifications. Seed was thoroughly mixed at the time of application and seed was broadcast in a slurry which included a wood cellulose fiber. Applied seed was not raked or compacted.

Material quantities and testing frequencies are shown on Table 5-6.

The information and observations obtained as part of the construction QA were used to certify the completion of the remedial action in accordance with the Technical Specifications. See Section 6.0 for construction inspections and certification of completeness.

6.0 INSPECTIONS AND CERTIFICATIONS

6.1 Pre-Final Inspection

On September 7, 2004, a Pre-Final Inspection was performed to confirm that substantial completion was attained and to identify work items required to complete the remedial construction. Attendees at the Pre-Final Inspection were as follows:

Name	Representing
Leslie McVickar, Remedial Project Manager	EPA
Brian Woods, State Project Manager	VTDEC
Don Dwight, Project Manager	M&E
Juraj Bajgar, Resident Engineer	M&E
Dale Weiss, Project Manger	TRC
Dan Gailor, Resident Inspector	TRC
Glenn Houle, RA contractor supervisor	MT
Gary Polumbo, RA contractor supervisor	MT

A Pre-Final inspection letter report and punch list was prepared and distributed to all attendees. A copy of the Pre-Final Inspection letter report is included in Appendix K. The punch list included three categories of items for completion as follows:

- Items to be completed by September 15 for the remedy to be considered functional;
- Items to be completed by September 30, 2004 that did not affect the functionality of the remedy; and
- Minor items that must be completed before project completion and final payment to the RA contractor.

The report indicated that the project was on schedule to be completed by September 30, 2004 and that three punch list items associated with the landfill required additional work for the remedy to be considered functional by September 15, 2004.

6.2 Final Inspection

On September 17, 2004, a Final Inspection was conducted at the site to review the status of work items required to complete the remedial construction as defined in the Pre-Final Inspection report. Attendees at the Final Inspection were as follows:

Name	Representing
Leslie McVickar, Remedial Project Manager	EPA
Brian Woods, State Project Manager	VTDEC
George Desch, Program Manager	VTDEC
Don Dwight, Project Manager	M&E
Juraj Bajgar, Resident Engineer	M&E
Dale Weiss, Project Manger	TRC
Dan Gailor, Resident Inspector	TRC

Glenn Houle, RA contractor supervisor	MT
Gary Polumbo, RA contractor supervisor	MT
Greg Mischel, Certifying Engineer	TRC

The landfill-related punch list items were substantially complete by the Final Inspection and the remedy was considered functional. Only minor activities such as site restoration, clean up and demobilization were conducted after the Final Inspection. All construction equipment and personnel were demobilized from the site by September 30, 2004.

6.3 Certification

I hereby certify that the remedial construction performed by Metcalf & Eddy, Inc. at the Lagoon Area of the Pownal Tannery Site was completed in accordance with the approved Remedial Design, including Plans, Technical Specifications, and Drawings, and approved design changes. Changes to the design made during construction were approved by EPA and VTDEC.

Signature on file
Gregory A. Mischel, P.E.
Vermont License No. 8237

Date: February 18, 2005

7.0 OPERATIONS AND MAINTENANCE

Requirements for operation and maintenance of the remedy are consistent with those of a typical closed landfill. Operation activities are not required. Maintenance includes regular mowing of the cover, removal of woody plants, repair of erosion, and repair of storm water controls and gas vents. Additional soil amendments and seeding may be necessary to sustain full grass coverage. Newly planted trees and shrubs may require fertilization and/or stabilization depending on their conditions after the first full year of growth.

Regularly scheduled inspections will be performed to confirm that the remedial action elements remain protective of human health and the environment. Environmental monitoring of the RA includes sampling and chemical analyses of site groundwater and sediment samples from the Hoosic River. Operation and Maintenance activities are being performed by the VTDEC under the terms of the July 2003 State Superfund Contract with the EPA. Details regarding site operation, maintenance and monitoring activities are presented in the Lagoon Area Operations and Maintenance Manual.

8.0 SUMMARY OF PROJECT COSTS

A comparison of project and actual costs to conduct the remedial action are provided below:

Item	ROD Estimate1 (September 2002)	Construction Estimate3 (September 2003)	Actual Cost (November 2004)
Remedial Action Implementation	$8.6	$9.6M	$7.7M
Projected O&M Cost[2]	$1.1M	$1.0M	$1.0M
Total	$9.7M	$10.5M	8.7M

1. Shown as Alternative 4 in the ROD, not including a construction reserve.
2. Costs projected for 30 years of O&M, these costs have not yet been accumulated
3. Includes construction reserve.

Refer to Appendix A for a detailed breakdown of costs for the RA implementation. A summary of RA implementation costs is provided below:

- Phase I site preparation RA contractor: $ 580,000
- Phase II RA implementation RA contractor: $5,600,000
  [Sludge excavation and landfill construction]
- Construction management and engineering: $1,530,000
  [included procurement and subcontract management, engineering oversight (full time), quality assurance sampling and analyses, field and design change management, community relations, site specific plans, review of subcontractor submittals, soil reuse risk assessments, project completion report, and project close out]

9.0 KEY SITE OBSERVATIONS AND LESSONS LEARNED

Key site observations and lessons learned are summarized in this section. These key issues are results of innovative engineering support and construction efforts realized during the implementation of the remedy, and are a tribute to close team work between the EPA, The State of Vermont DEC, the engineering team and the contractors.

Landfill Sloped for Reuse

Several issues were considered during the design of the on-site lagoon waste area landfill. Included was the potential for reuse of a part of the landfill for recreational purposes (such as a soccer field).

In order to reuse the landfill, low slopes would be required to provide an adequate playing surface. A variance from the State of Vermont Solid Waste regulations was required to maintain a top surface slope of 2%, versus the 5% required by the regulations. The smaller surface slope (top of the cover soil and topsoil layers) was approved by the VTDEC since the design included the underlying drainage layer (top of the gas vent sand, geomembrane, and geocomposite drainage layer) at a 5% slope and greater. Modeling also demonstrated that the design provided for greater drainage capacity then the typical landfill cover system. The completion of the project indicated that landfills can be designed and constructed to allow reuse for potential recreational purposes.

Landfill Siting in Floodway

The originally planned landfill footprint fell within the Hoosic River floodway, and thus, would not be allowed in strict accordance with Flood Plain Management Guidelines (Executive Order 11988). The landfill siting was accomplished by achieving approval by the VTDEC based on modeling for the floodway and adjusting surrounding site contours to allow a net increase in floodway size. In addition, riprap armored side slopes were designed to prevent erosion of the landfill slopes in event of flooding conditions, and the vegetative surface of the landfill was placed above the 100-year flood plain. The completion of the project indicated that landfills can be designed and constructed within a floodway while preventing floodway interference.

In Situ Mixing of Cement and Sludge

During the design of the remedy, several important objectives were developed for handling the sludge: control odor, increase strength, and accelerate the work schedule. These issues were ultimately addressed through the in-situ addition of cement to the sludge. The following details can be concluded about this application:

- Sludge stabilization and excavation were conducted with minimal odor off-site. The limited odors were achieved through good work practices during in-situ mixing, and because of the cement reacting with the sludge. The cement (Type I and II Portland Cement) effectively neutralized the hydrogen sulfide gas that was detected at very high concentrations during the remedial investigation. Good work practices included minimizing the surface area of sludge exposed, maintaining continuous air monitoring, and applying water for dust control and periodically foam for odor suppressing;

- The in-situ cement addition greatly increased the strength and workability of the sludge, and helped accelerate the schedule. The fast reaction of the cement and the thorough mixing process allowed equipment to access additional sludge within a day to two (equipment could be driven over the stabilized material). It also allowed for direct placement into the landfill without rehandling. An ex-situ treatment method would have required handling at least two times. The increased shear strength of the stabilized sludge allowed easier excavation (minimal sloughing) and was more easily placed to landfill design contours; and

- It was learned that for cement stabilized material, the unconfined compressive strength test method may not be the most appropriate method for demonstrating adherence to construction specifications. At times, the material became non-cohesive, and thus, the test results were less accurate. The direct shear strength test method is the more appropriate method because it can be conducted with non-cohesive materials, and the results can be used to demonstrate that the landfilled material will meet the designed stability requirements.

Additionally, less dust was created during cement application because of a unique, enclosed hood that controlled dust during the placement of cement onto the sludge for mixing. This hood was constructed with a steel frame, canopy, and filtered vents. The vents allowed air to escape from under the canopy, with minimal dust, while cement was being pumped into the hood from a tanker truck. The hood also enabled the RA contractor to more accurately control ratios of cement to sludge by controlling the depth of cement placed within the framed hood.

Risk Assessment for Reuse of Soils

As discussed in Section 4.4, on-site cover soils were reused at the site, despite exceedences of the designed clean up criteria. Site-specific risk assessments were conducted with the actual field sample data. The design clean up criteria were based on the development of PRGs for comparing the soil data to determine its reuse option (on-site as fill, or placement in the landfill). The risk assessments, using the actual excavated soil data, indicated that the soils contained concentrations of contaminants below EPA risk threshold values for the intended use of the site. Conducting the risk assessments during the project ultimately met the project objectives, but created a potential schedule issue because the project was time sensitive, and the risk assessments potentially impacted the schedule because the final reuse of the stockpiled soil was in question. It is therefore recommended that for future similar projects, additional time should be factored into the project schedule to account for site-specific adjustments of PRGs, if necessary**.**

10.0 CONTACT INFORMATION

This remedial action project was funded by the EPA and managed by EPA Region 1. The Remedial Project Manager was:

Leslie McVickar
Remedial Project Manager
U.S. EPA Region 1
1 Congress Street, Suite 1100
Boston, MA 02114-2023
(617) 918-1374

The State of Vermont DEC supported the EPA in its overall management of design, planning, and implementation. The State of Vermont also provided a 10% cost share of the project costs. The point of contact was:

Brian Woods
Vermont Department of Environmental Conservation
Waste Management Division
103 South Main Street / West building
Waterbury, Vermont 05671-0404
(802) 241-3885

Metcalf & Eddy (M&E) was the prime contractor for U.S. EPA under the Region I Response Action Contract. M&E and its team subcontractor, TRC Environmental Corporation, conducted the remedial investigation and feasibility study to support EPA in developing a record of decision for the site and to serve as the basis of design. The design was completed by the M&E/TRC team, and remedial contractors were procured and managed through project completion by this team. The points of contact are:

Donald Dwight, P.E.
Metcalf & Eddy
701 Edgewater Drive
Wakefield, MA 01880
(781) 246-5200

Dale Weiss, P.G.
TRC Environmental Corporation
100 Foot of John Street
Lowell, MA 01852
(978) 970-5600

For the site preparation phase of construction (Phase I), M&E procured a woman-owned small business (WOSB), Tantara Corporation of Rehoboth, Massachusetts, to clear and grub the site, install fences, perform backfilling and site grading, and remove debris.

The team of N.L. Construction of Ludlow, Massachusetts (a WOSB) and Maxymillian Technologies of Pittsfield, Massachusetts, conducted the primary portion of the remediation (Phase II).

NL Construction	Maxymillian Technologies
545 West Street	1801 East Street
Ludlow, MA 01056	Pittsfield, MA 01201
(413) 589-9883	(413) 499-3050

Vendors and suppliers of materials are listed on Table 10-1.

TABLE 10-1. MATERIAL SUPPLIERS AND VENDORS		
Material	Quantity Delivered	Supplier/Vendor
Processed Gravel for Lagoons 2 and 3	16,230 CY	(total)
	12,500 CY	Hart Construction Williamstown, MA 01267 413-458-5267
	2,500 CY	W.E. Dailey 1424 Vermont Route 7A Shaftsbury, VT 05262 802-442-9923
	1,230 CY	Petersburg Sand and Gravel 83 Church Hollow Road Petersburg, NY 12138 518-658-2301
General fill for Lagoons 1 and 5	75,000 tons (~46,000 CY)	Hart Construction Williamstown, MA 01267 413-458-5267
Screened Gravel for Lagoons 1 and 5	20,600 tons (~14,000 CY)	Hart Construction Williamstown, MA 01267 413-458-5267
Topsoil (off-cap)	26,519 SY (~3,000 CY)	Foxcroft Nurseries, Inc. 949 Groveside Road Buskirk, NY 12028 518-686-9647
Cement for sludge stabilization	5,876 tons	Glens Falls Lehigh Cement 313 Warren Street Glens Falls, NY 12801 518-792-1137
Gas vent sand	22,270 SY (~3,700 CY)	Hart Construction Comp. Inc. PO Box 486 Williamstown, MA 01267 413-458-5267
Geomembrane LLDPE (40 mil textured at both sides)	26,371 SY	GSE Lining Technology, Inc. 19103 Gundle Rd. Houston, TX 77073 800-435-2008
TENAX TENFLOW 70- 2 Double –sided Geocomposite drainage layer	20,243 SY	TENAX 4800 E. Monument Street Baltimore, MD 21205 410-522-7000
Geotextile material FX 110HS FX 70 HS	~30,000 SY	Carthage Mills 4243 Hunt Rd. Cincinati, OH 45242 800-543-4430
Straw Erosion Blanket S75 single net	7,780 SY	North American Green 14649 Highway 41 North Evensville, IN 47725 800-772-2040

TABLE 10-1. MATERIAL SUPPLIERS AND VENDORS		
Material	Quantity Delivered	Supplier/Vendor
Vegetative support layer (landfill cover soil)	19,613 CY	Hart Construction Williamstown, MA 01267 413-458-5267
Topsoil on Landfill	20,773 SY (3,400 CY)	Foxcroft Nurseries, Inc. 949 Groveside Road Buskirk, NY 12028 518-686-9647
Crushed gravel for side slopes	2,379 CY	Hart Construction Williamstown, MA 01267 413-458-5267
Crushed /Road gravel for access road	Lump sum item	Hart Construction Williamstown, MA 01267
Riprap	9,370 tons	Peckham Industries, Inc. * Subsidiary William E. Dailey Inc. Route 7A Shaftsbury, VT 05262 518-686-1447
1 ½ inch stone	340 tons	Bushika Sand & Gravel Inc. 926 North State Raod Cheshire, MA 01225 413-743-1650
Boulders	~500 each	Peckham Industries, Inc. Route 7A Shaftsbury, VT 05262 518-686-1447
Reinforced Concrete Drain Pipe	150 LF	New England Pipe Wauregan, CT 06387 800-962-7473
Hydro seed mix	41,395 SY	Valley Green/Holyoke, MA 01040
Wildlife seed mix	~10,000 SY	Valley Green/Holyoke, MA 01040
Trees and shrubs	White Pine (30) Box Elder Maple (30) Red Oak (25) Black Chokeberry (55) American Which Hazel (45) Shadblow (45)	New England Environmental, Inc. 9 Research Drive Amherst, MA 01002 413-256-0202

Appendix A
Remedial Action Project Cost Summary

Description	QTY	U/M	Unit Price	Subtotal
Phase I and II activities (some activites combined)				
Mobilization of personnel and equipment, including preparation of project plans, per diem and incidental costs (Phase I and II)	1	LS	161,900	161,900
Clearing and grubbing (Phase I: 22 acres)	1	LS	124,914	124,914
Debris consolidation into landfill (Phase I: 10 acres)	1	LS	66,704	66,704
Erosion and dust control (Phase I: 2,640 LF, Phase II: maintenance; water trucks used in both phases)	1	LS	47,360	47,360
Temporary fencing (Phase I: 2,280 LF installed)	1	LS	39,500	39,500
Backfill Lagoon 2 (Phase I)	15,500	CY	15.40	238,700
Performance and payment bonds (Phase I and II)	1	LS	78,511	78,511
Phase II activities				
Installation and operation of truck scale(s)	1	LS	49,000	49,000
Construction water treatment, including system operation and analytical testing (4M gallons treated)	1	LS	204,500	204,500
Perimeter air monitoring - continuous	1	LS	153,750	153,750
Excavation support system along Lagoon 1 (furnished and removed)	1,026	SY	91.00	93,366
Excavate, stockpile, analyze on-site soils	43,274	ton	7.80	337,537
Place and compact on-site excavation soils	41,320	ton	5.67	234,284
Stabilize, excavate, and compaction sludge	81,139	ton	14.80	1,200,857
Delivery of Portland cement for stabilization	5,876	ton	130.00	763,880
Gas vent sand layer for landfill (6 inches)	22,270	SY	4.04	89,971
Installation of passive gas vents	5	ea	631	3,155
40 mil geomembrane installed	26,371	SY	5.36	141,349
Geocomposite drainage layer installed	20,243	SY	8.15	164,980
Landfill cover soil	19,613	CY	20.28	397,752
Crushed gravel for landfill side slopes	2,379	CY	16.70	39,729
Riprap for landfill side slopes	9,370	ton	21.91	205,297

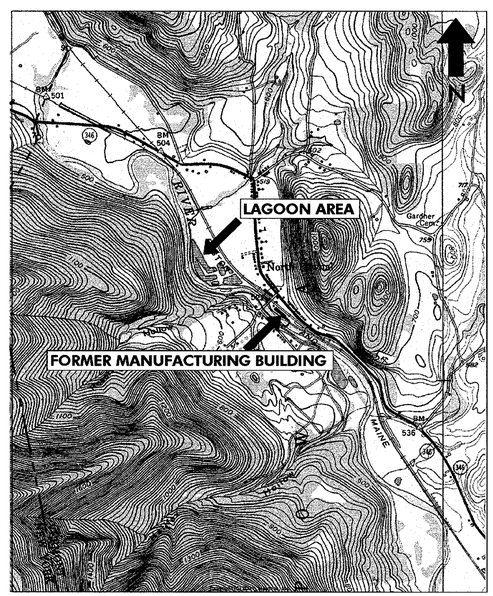
Crushed stone for landfill	340	CY	28.63	9,734
Screened gravel for backfill in the wet	20,589	ton	16.00	329,424
General fill imported, placed and compacted in Lagoons 1 and 5	74,638	ton	6.60	492,611
Furnish and install topsoil: off-cap (4 inches thick)	26,519	SY	2.24	59,403
Furnish and install topsoil: landfill cap (6 inches thick)	20,773	SY	4.00	83,092
Hydroseed (native area grass)	41,395	SY	0.65	26,907
Access road installation	1	LS	85,256	85,256
Buffer zone restoration (~ 2 acres)	1	LS	22,242	22,242
Erosion control blankets	7,780	SY	1.50	11,670
Boulder perimeter	1,500	LF	10.50	15,750
Remove and dispose of transite pipe	737	LF	35.00	25,795
Installation of GW wells	42	LF	49.58	2,082
Installation of gas probes	30	LF	65.00	1,950
Modification to Lagoon 4 river berm	1	LS	81,500	81,500
Miscellaneous items	1	LS	73,433	73,433
SUBTOTAL:				6,157,845
TECHNICAL SUPPORT, CONSTRUCTION MANAGEMENT, FIELD OVERSIGHT AND REPORTING				-
Costs included for contractor procurement, contract management, full-time resident inspector(s), quality assurance records and analyses, design support, community relations support, data validation, risk assessments, inspections and certification, completion report preparation and project close out.	1	LS	1,531,100	1,531,100
TOTAL:				**7,688,945**

Note: Various tasks were bid as lump sum and unit cost items. The values shown include many of the items as bid. Some items were combined for clarity, and where applicable, approximate units were applied as a reference for lump sum items.

LAGOON AREA REMEDIATION
RECORD DRAWINGS
POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

INDEX OF DRAWINGS

SHEET NUMBER	TITLE
	COVER PAGE
C-1	GENERAL NOTES AND LEGEND
C-2	EXISTING CONDITIONS - LAGOON AREA
C-3	EXISTING CONDITIONS - ACCESS ROAD AREA
C-4	SITE PREPARATION PLAN
C-5	EROSION AND SEDIMENTATION CONTROL PLAN
C-6	EXCAVATION PLAN FOR LAGOONS 1 AND 5
C-7	EXCAVATION CROSS SECTIONS
C-8	STABILIZED MATERIAL (SLUDGE) GRADING PLAN
C-8A	40-MIL LLDPE GEOMEMBRANE GRADES
C-9	FILL PLAN
C-10	DRAINAGE AND PERMANENT EROSION CONTROL PLAN
C-11	BUFFER ZONE PLANTING PLAN
C-12	FINAL SITE GRADING PLAN
C-13	EROSION AND SEDIMENTATION CONTROL DETAILS
C-14	LANDFILL EDGE DETAILS
C-15	GENERAL DETAILS
C-16	FENCE DETAILS



SITE LOCATION PLAN

0 .5 1

SCALE IN MILES

PREPARED FOR

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

US ENVIRONMENTAL PROTECTION AGENCY
REGION I

PREPARED BY

M&E Metcalf & Eddy

METCALF & EDDY
WAKEFIELD, MASSACHUSETTS

AND

TRC

TRC ENVIRONMENTAL CORPORATION
LOWELL, MASSACHUSETTS

02136\POWNAL\ASBUILT\COVER

LEGEND

EXISTING

- DEAN ROAD — PAVED ROAD
- EXISTING UNPAVED ROADS AND PATHS
- 100-FOOT RIPARIAN BUFFER
- PROPERTY BOUNDARY
- LOW — PROPERTY BOUNDARY/LIMIT OF WORK
- LOW — LIMIT OF WORK
- CLASS 2 WETLAND BOUNDARY
- 50-FOOT WETLAND BUFFER
- EDGE OF WATER
- STAGING/PROCESSING AREA BOUNDARY
- BUILDING/STRUCTURE
- EXISTING 2-INCH MONITORING WELL LOCATION
- EXISTING 1/2-INCH MICROWELL LOCATIONS
- EXISTING UTILITY POLES
- MCI — UNDERGROUND MCI LINE MARKER
- RXR — RAILROAD SIGNAL
- SIGN
- X — EXISTING TEMPORARY FENCE LINE
- SCR — STABILIZED CONSTRUCTION ROAD
- RAILROAD TRACKS
- TREE LINE
- TREE
- BRUSH
- BENCH MARK PT-1 — BENCHMARK
- STABILIZED CONSTRUCTION ROAD ENTRANCE
- 3 / C-11 — DETAIL DESIGNATION; SHEET NUMBER WHERE DETAIL APPEARS
- B / C-12 — CROSS-SECTION LABEL "B" INDICATES SECTION NUMBER; "C-12" INDICATES WHICH SHEET THE SECTION CAN BE FOUND
- 10 / C-14 / 7 — DETAIL DESIGNATION; SHEET NUMBER WHERE DETAIL APPEARS; DETAIL DESIGNATION
- APPROXIMATE LIMIT OF SLUDGE
- APPROXIMATE LOCATION OF SETTLEMENT PLATFORMS
- SILT FENCE AND STRAW BALE DIKE
- 505 — EXISTING GROUND SURFACE ELEVATION CONTOUR (1-FOOT INTERVAL)

PROPOSED

- LIMIT OF STABILIZED WASTE PLACEMENT
- PERIMETER ACCESS ROAD
- PROPOSED SILT FENCE AND STRAW BALE DIKE
- X-X-X-X-X — PROPOSED TEMPORARY FENCE
- PROPOSED BOULDER BARRIER
- 505 — PROPOSED GROUND SURFACE ELEVATION CONTOUR (2-FOOT INTERVAL)
- MONITORING WELL
- MW-106U — ABANDONED MONITORING WELL
- SPOT ELEVATION
- GAS VENT LOCATION
- GAS MONITORING PROBE
- ROCK OUTLET SEDIMENT TRAP
- ROCK OUTLET PROTECTION
- CULVERT
- PD — PERIMETER DIKE/SWALE
- TESS — TEMPORARY EXCAVATION SUPPORT SYSTEM
- APPROXIMATE AREA OF CUT
- AREA OF RIPRAP
- BUFFER ZONE PLANTING AREA
- LIMIT OF CUT

GENERAL NOTES

1. BASE MAP AND PROPERTY BOUNDARIES BY HILL ENGINEERS, DALTON, MA, DRAWING NO. SRV-446-004, DATED APRIL 25, 2003.
2. CONTROL POINT USED IS AN ALUMINUM MARKER DESIGNATED BENCHMARK "PT-1", SHOWN ON SHEET C-2. ELEVATION = 521.18', NVGD 29, N109217.3068, E1435100.3778; VERMONT STATE PLANE COORDINATES.
3. THE CONTRACTOR SHALL NOTIFY DIGSAFE AT LEAST THREE DAYS (MIN.) PRIOR TO STARTING ANY WORK SHOWN ON THESE PLANS FOR LOCATIONS AND PROTECTION REQUIREMENTS OF THE EXISTING UTILITIES.
4. CONTRACTOR SHALL LOCATE UTILITIES IN RAILROAD RIGHT OF WAY AND COORDINATE WITH THE RAILROAD TO LOCATE UNDERGROUND SIGNAL UTILITIES.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY ADDITIONAL LOCAL OR STATE PERMITS THAT MAY BE REQUIRED FOR THIS PROJECT. REFER TO THE SPECIFICATION FOR PERMIT REQUIREMENTS.
6. EXISTING CONDITIONS, AS PRESENTED, REPRESENT THOSE CURRENT AS OF THE DATE OF THE FIELD SURVEY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF SITE CONDITIONS PRIOR TO START OF WORK.
7. ALL ONSITE CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND TECHNICAL SPECIFICATIONS.
8. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO LIMIT DISTURBANCE TO ADJACENT PROPERTIES TO THE MINIMUM AMOUNT NECESSARY TO ACCOMPLISH THE WORK.
9. THE CONTRACTOR IS TO EXERCISE EXTREME CAUTION DURING CONSTRUCTION TO AVOID CREATING NUISANCE OR DAMAGE BY IMPOUNDING OR TRAPPING SURFACE WATER.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND CONTROL OF THEIR ON AND OFF SITE TRAFFIC DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL PROVIDE FOR THE PROTECTION AND PRESERVATION OF THE EXISTING MONITORING WELLS, GAS VENTS, SETTLEMENT PLATFORMS, AND UTILITIES LOCATED WITHIN THE PROJECT AREA. ANY DAMAGE DONE TO THOSE FEATURES BY THE CONTRACTOR SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
12. ANY DAMAGE CAUSED BY THE CONTRACTOR OR ITS SUBCONTRACTORS TO OFF SITE RIGHT OF WAY, PUBLIC ROADS, OR ADJACENT PROPERTIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
13. THE CONTRACTOR SHALL READ AND COMPLY WITH REQUIREMENTS OF THE ACCESS AGREEMENT BETWEEN THE RAILROAD AND THE EPA.
14. THE LIMITS OF SLUDGE ARE APPROXIMATE BASED ON SURFACE OBSERVATIONS AND TEST PIT INFORMATION. THE ACTUAL LIMITS OF SLUDGE REMOVAL WILL BE DETERMINED BY ENGINEER.
15. THE CONTRACTOR IS RESPONSIBLE FOR EXCAVATION AND HAULING OF ALL MATERIALS FROM THE BORROW SOURCES TO THE SITE.
16. THE CONTRACTOR SHALL PROTECT AND MAINTAIN EXISTING TEMPORARY FENCE.
17. PROTECT WELLS MW-L-4, MW-L-10, MW-L-11, MW-107U, MW-107R, FROM DAMAGE DURING CONSTRUCTION.
18. THE TOP OF EACH SETTLEMENT PLATFORM EXTENSION SHALL BE SURROUNDED BY 3 RECYCLED CONCRETE BLOCKS. PROTECT SETTLEMENT PLATFORMS FROM DAMAGE DURING CONSTRUCTION.

EROSION AND SEDIMENT CONTROL NOTES

1. CONTRACTOR SHALL PROTECT AND MAINTAIN EROSION AND SEDIMENT CONTROL FACILITIES UNTIL THE DISTURBED SURFACES HAVE BEEN STABILIZED.
2. INSTALL EROSION AND SEDIMENT CONTROL FACILITIES IN A MANNER THAT WILL ALLOW CONSTRUCTION OF THE PERMANENT FACILITIES.
3. INSPECT EROSION AND SEDIMENT CONTROL FACILITIES PRIOR TO CONSTRUCTION, PERIODICALLY, AND IMMEDIATELY FOLLOWING A RAINFALL. REPAIR DAMAGE TO FACILITIES AS SOON AS PRACTICAL AND REMOVE COLLECTED SEDIMENT AS NECESSARY.
4. PROVIDE LANDSCAPING AS SHOWN ON THE PLANS AND SPECIFICATIONS. ALL AREAS DISTURBED BY CONSTRUCTION NOT DESIGNATED FOR PROTECTIVE LINING SHALL BE SEEDED, MULCHED AND/OR ANCHORED IN ACCORDANCE WITH THE SPECIFICATIONS.
5. SEDIMENT AND EROSION CONTROL TO BE COMPLETED IN ACCORDANCE WITH THE VERMONT HANDBOOK FOR SEDIMENT CONTROL ON CONSTRUCTION SITES, SPECIAL PUBLICATION NO. 3, VERMONT GEOLOGICAL SURVEY.
6. THE CONTRACTOR SHALL MAINTAIN STABILIZED CONSTRUCTION ROAD ENTRANCE AND ALL TEMPORARY ACCESS ROADS NEEDED TO COMPLETE THE WORK.

REV. NO.	DATE	DESCRIPTION	BY	CHECKED
1	12/04	RECORD DRAWINGS	GAM	FC
–	10/03	100% DESIGN SUBMITTAL	KMP	GAM

STATE OF VERMONT — GREGORY A. MISCHO — NO. 8237 — CIVIL — LICENSED — PROFESSIONAL ENGINEER

TRC
Boott Mills South
Foot of John Street
Lowell, MA 01852
978-970-5600

TRC PROJ. NO.: 02136-0510-01N9B

EPA CONTRACT NO.: 68-W6-0042

RAC SUBCONTRACT NO.: 107061

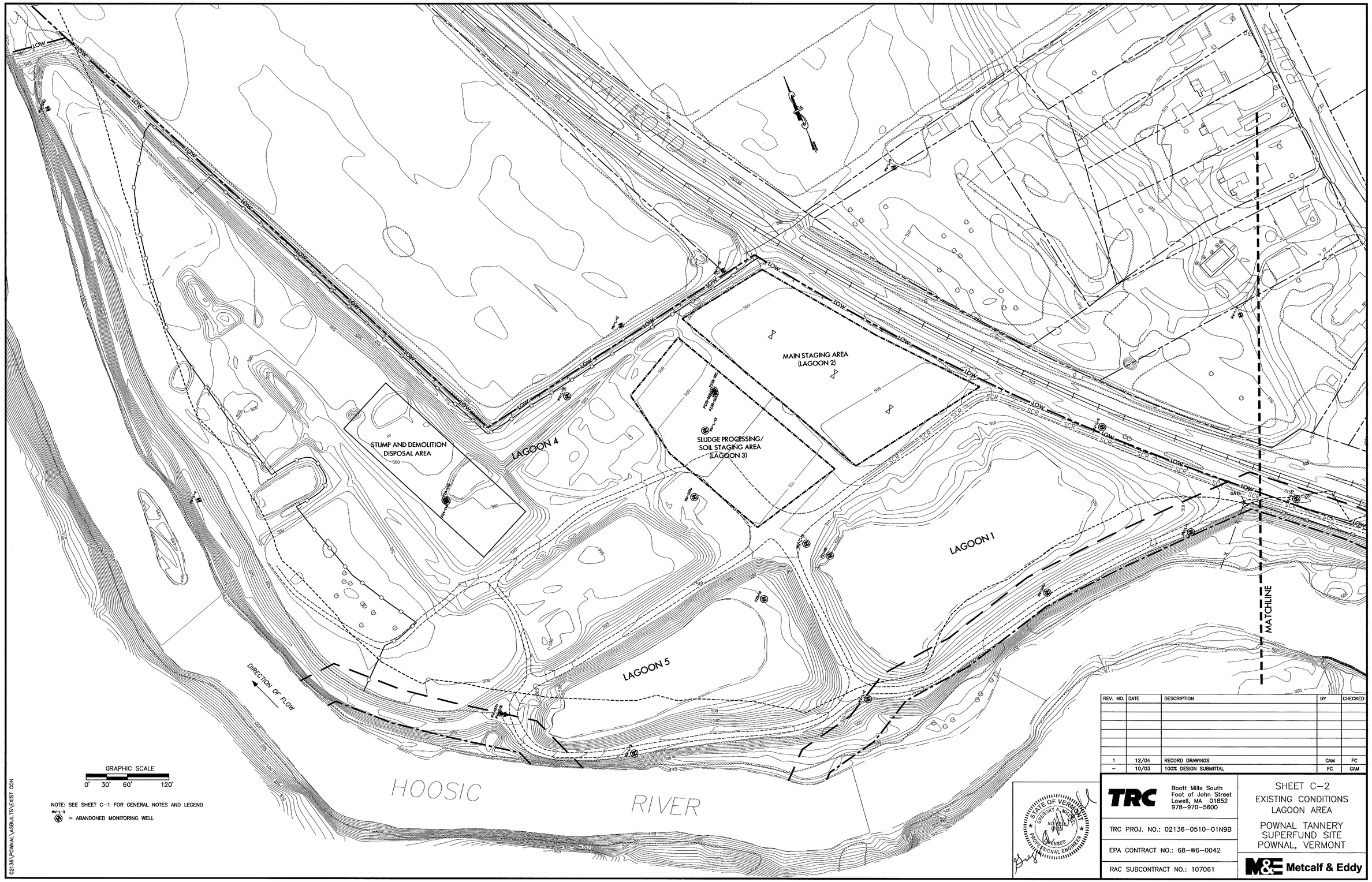
SHEET C-1

GENERAL NOTES AND LEGEND

POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

M&E Metcalf & Eddy

02136\POWNAL\ASBUILTS\NOTES AND LEGEND



REV. NO.	DATE	DESCRIPTION	BY	CHECKED
1	12/04	RECORD DRAWINGS	GAM	FC
–	10/03	100% DESIGN SUBMITTAL	FC	GAM

STATE OF VERMONT
GREGORY A. MISCHEL
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978-970-5600

TRC PROJ. NO.: 02136-0510-01N9B

EPA CONTRACT NO.: 68-W6-0042

RAC SUBCONTRACT NO.: 107061

SHEET C-2
EXISTING CONDITIONS
LAGOON AREA

POWNAL TANNERY
SUPERFUND SITE
POWNAL, VERMONT

M&E Metcalf & Eddy

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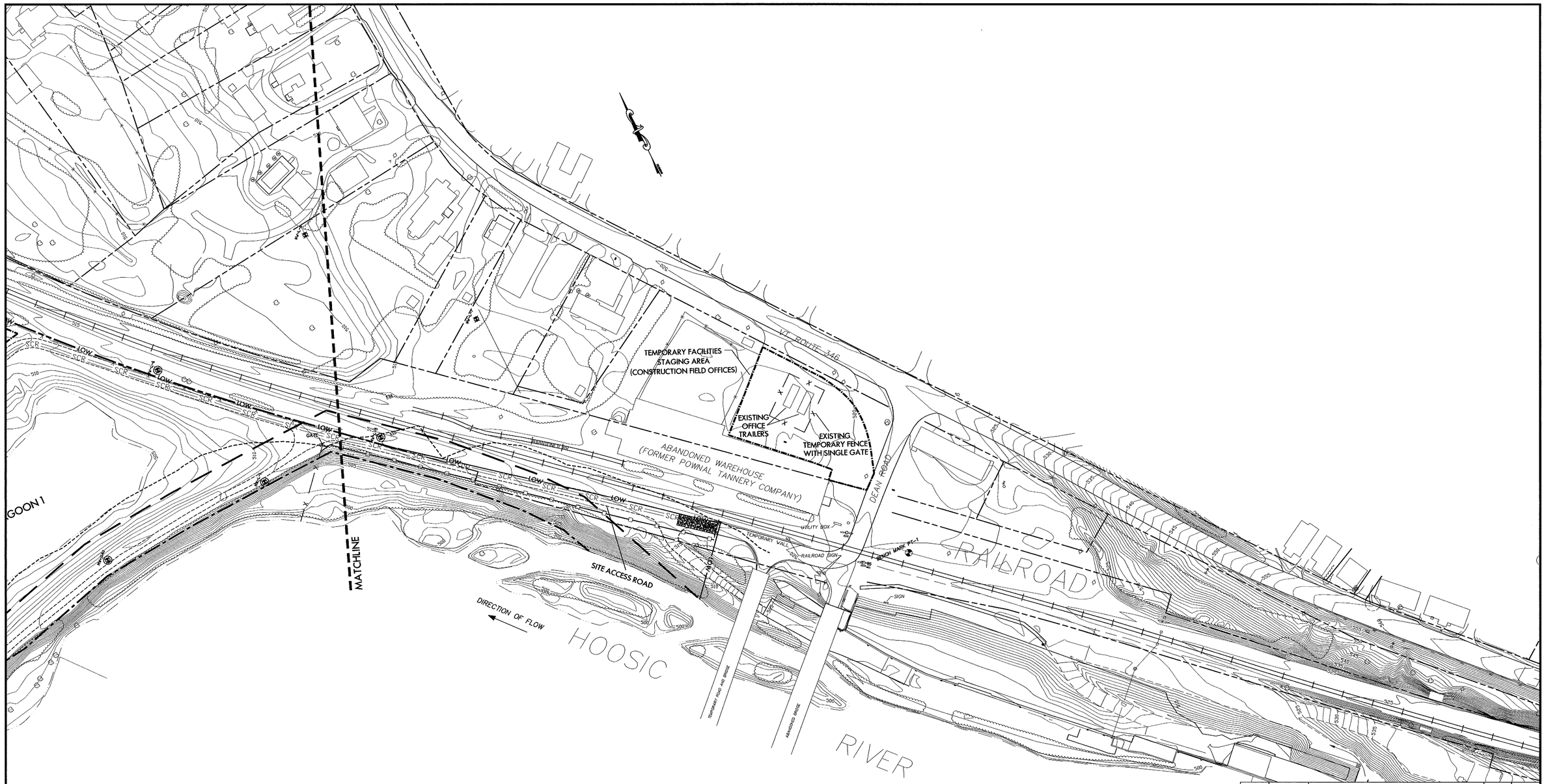

REV. NO.	DATE	DESCRIPTION	BY	CHECKED
–	10/03	100% DESIGN SUBMITTAL	FC	GAM

GRAPHIC SCALE

0' 30' 60' 120'

NOTE: SEE SHEET C-1 FOR GENERAL NOTES AND LEGEND

STATE OF VERMONT
GREGORY A. MUSCHEL
NO. 5237
CIVIL
LICENSED
PROFESSIONAL ENGINEER

TRC

Boott Mills South
Foot of John Street
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978-970-5600

TRC PROJ. NO.: 02136-0510-01N9B

EPA CONTRACT NO.: 68-W6-0042

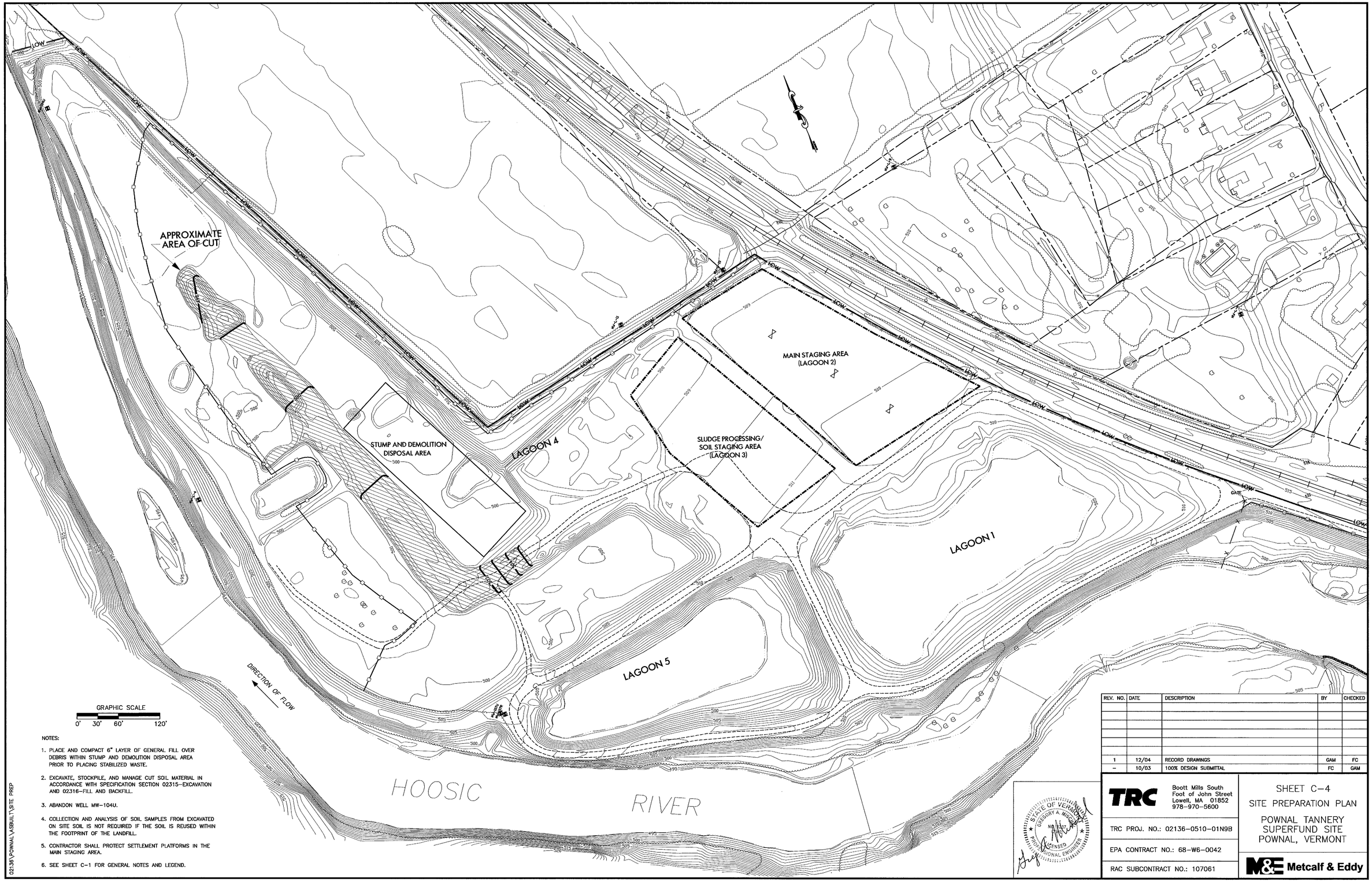
RAC SUBCONTRACT NO.: 107061

SHEET C-3
EXISTING CONDITIONS
ACCESS ROAD AREA

POWNAL TANNERY
SUPERFUND SITE
POWNAL, VERMONT

M&E Metcalf & Eddy

02136\POWNAL 100% PHASE II\EXISTING CONDITIONS



NOTES:

1. PLACE AND COMPACT 6" LAYER OF GENERAL FILL OVER DEBRIS WITHIN STUMP AND DEMOLITION DISPOSAL AREA PRIOR TO PLACING STABILIZED WASTE.
2. EXCAVATE, STOCKPILE, AND MANAGE CUT SOIL MATERIAL IN ACCORDANCE WITH SPECIFICATION SECTION 02315–EXCAVATION AND 02316–FILL AND BACKFILL.
3. ABANDON WELL MW–104U.
4. COLLECTION AND ANALYSIS OF SOIL SAMPLES FROM EXCAVATED ON SITE SOIL IS NOT REQUIRED IF THE SOIL IS REUSED WITHIN THE FOOTPRINT OF THE LANDFILL.
5. CONTRACTOR SHALL PROTECT SETTLEMENT PLATFORMS IN THE MAIN STAGING AREA.
6. SEE SHEET C–1 FOR GENERAL NOTES AND LEGEND.

02136\POWNAL\ASBUILT\SITE PREP

REV. NO.	DATE	DESCRIPTION	BY	CHECKED
1	12/04	RECORD DRAWINGS	GAM	FC
–	10/03	100% DESIGN SUBMITTAL	FC	GAM

STATE OF VERMONT
GREGORY A. MIGGINS
NO. 8307
LICENSED
PROFESSIONAL ENGINEER

TRC
Boott Mills South
Foot of John Street
Lowell, MA 01852
978–970–5600

TRC PROJ. NO.: 02136–0510–01N9B

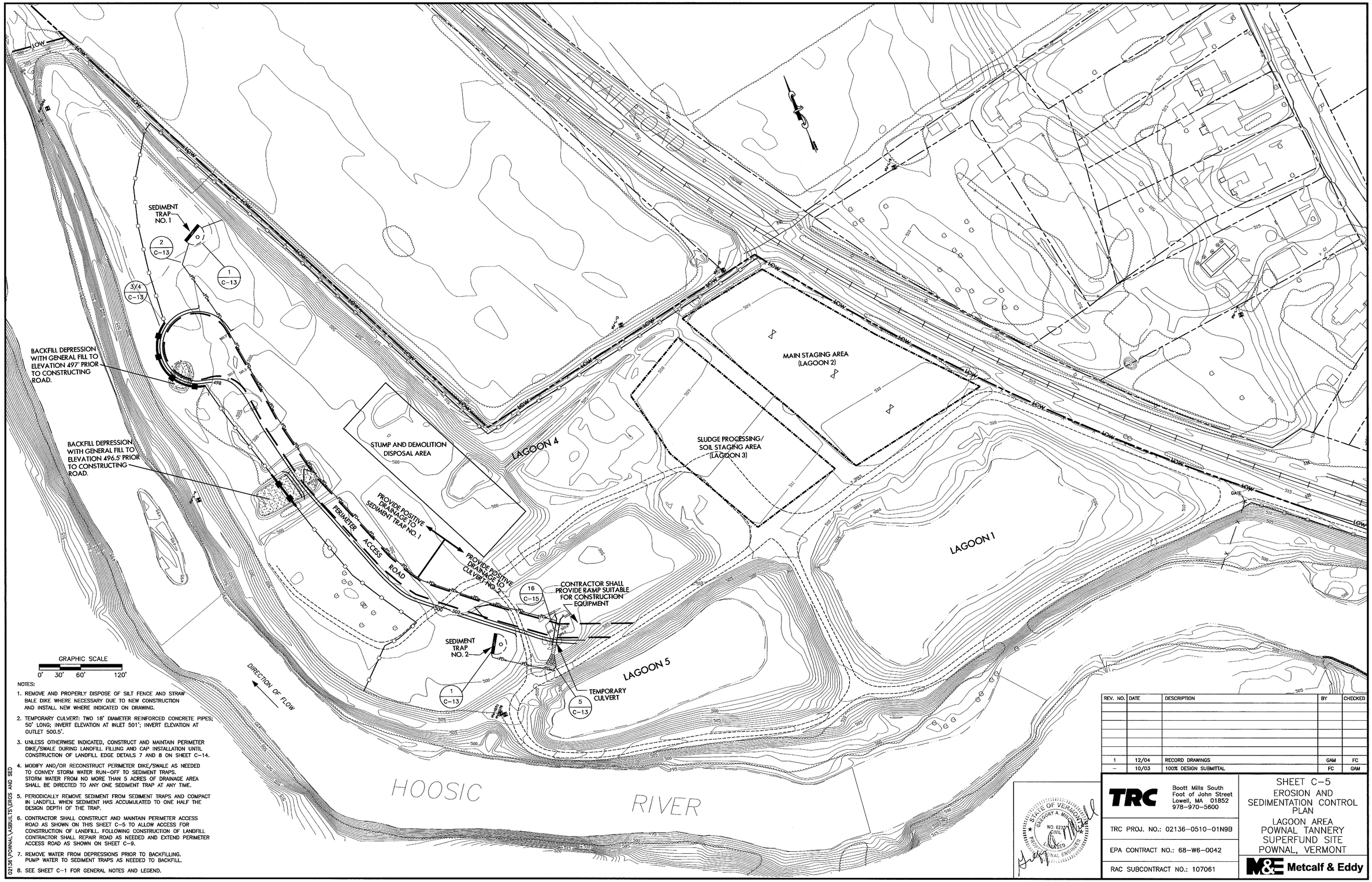
EPA CONTRACT NO.: 68–W6–0042

RAC SUBCONTRACT NO.: 107061

SHEET C–4
SITE PREPARATION PLAN

POWNAL TANNERY
SUPERFUND SITE
POWNAL, VERMONT

M&E Metcalf & Eddy



NOTES:

1. REMOVE AND PROPERLY DISPOSE OF SILT FENCE AND STRAW BALE DIKE WHERE NECESSARY DUE TO NEW CONSTRUCTION AND INSTALL NEW WHERE INDICATED ON DRAWING.
2. TEMPORARY CULVERT: TWO 18' DIAMETER REINFORCED CONCRETE PIPES; 50' LONG; INVERT ELEVATION AT INLET 501'; INVERT ELEVATION AT OUTLET 500.5'.
3. UNLESS OTHERWISE INDICATED, CONSTRUCT AND MAINTAIN PERIMETER DIKE/SWALE DURING LANDFILL FILLING AND CAP INSTALLATION UNTIL CONSTRUCTION OF LANDFILL EDGE DETAILS 7 AND 8 ON SHEET C-14.
4. MODIFY AND/OR RECONSTRUCT PERIMETER DIKE/SWALE AS NEEDED TO CONVEY STORM WATER RUN-OFF TO SEDIMENT TRAPS. STORM WATER FROM NO MORE THAN 5 ACRES OF DRAINAGE AREA SHALL BE DIRECTED TO ANY ONE SEDIMENT TRAP AT ANY TIME.
5. PERIODICALLY REMOVE SEDIMENT FROM SEDIMENT TRAPS AND COMPACT IN LANDFILL WHEN SEDIMENT HAS ACCUMULATED TO ONE HALF THE DESIGN DEPTH OF THE TRAP.
6. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN PERIMETER ACCESS ROAD AS SHOWN ON THIS SHEET C-5 TO ALLOW ACCESS FOR CONSTRUCTION OF LANDFILL. FOLLOWING CONSTRUCTION OF LANDFILL CONTRACTOR SHALL REPAIR ROAD AS NEEDED AND EXTEND PERIMETER ACCESS ROAD AS SHOWN ON SHEET C-9.
7. REMOVE WATER FROM DEPRESSIONS PRIOR TO BACKFILLING. PUMP WATER TO SEDIMENT TRAPS AS NEEDED TO BACKFILL.
8. SEE SHEET C-1 FOR GENERAL NOTES AND LEGEND.

02136\POWNAL\ASBUILTS\EROS AND SED

REV. NO.	DATE	DESCRIPTION	BY	CHECKED
1	12/04	RECORD DRAWINGS	GAM	FC
–	10/03	100% DESIGN SUBMITTAL	FC	GAM

STATE OF VERMONT
GREGORY A. MIRCHAUL
NO. 8237
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Lowell, MA 01852
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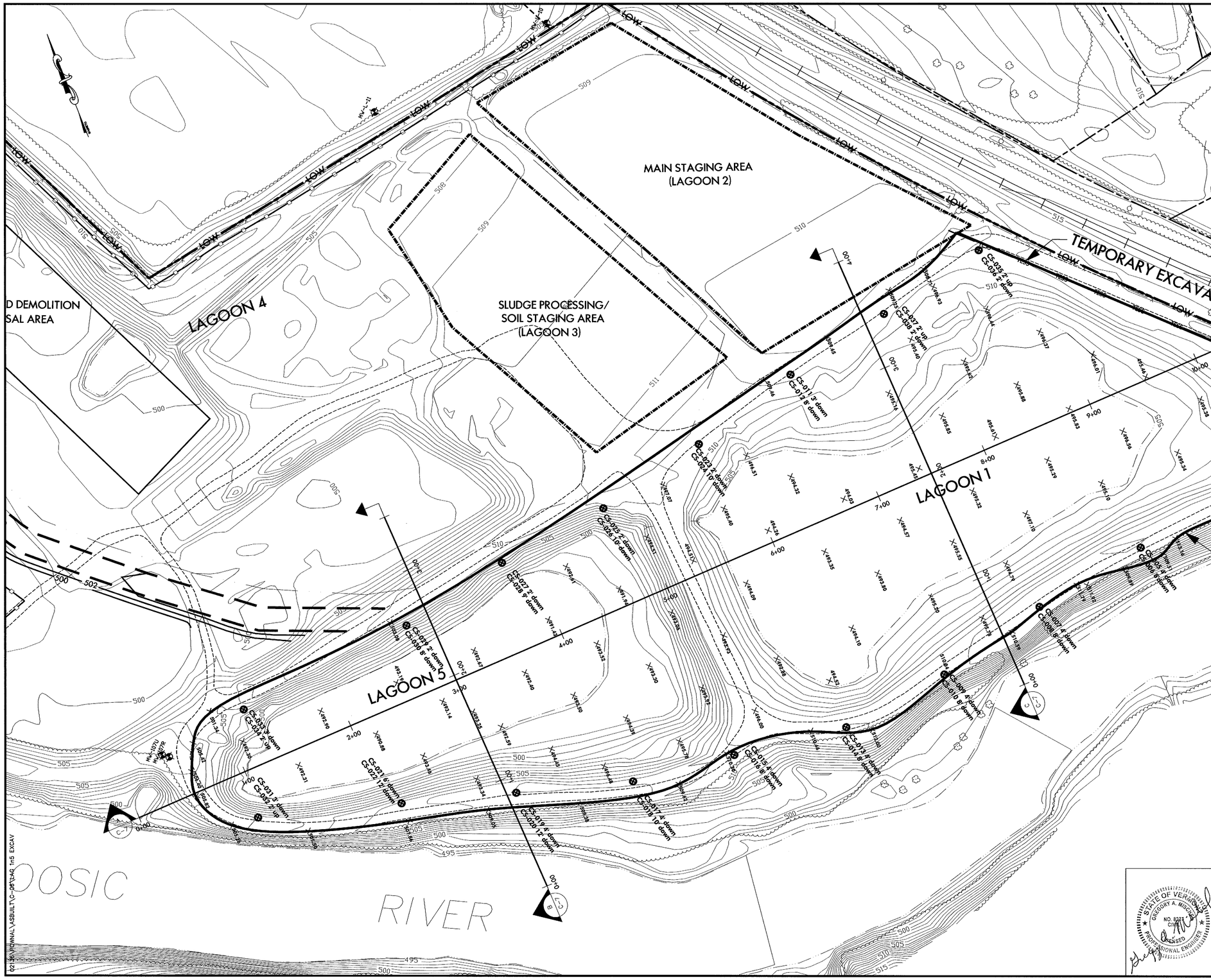
TRC PROJ. NO.: 02136-0510-01N9B

EPA CONTRACT NO.: 68-W6-0042

RAC SUBCONTRACT NO.: 107061

SHEET C-5
EROSION AND SEDIMENTATION CONTROL PLAN
LAGOON AREA
POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

M&E Metcalf & Eddy



GRAPHIC SCALE

0' 20' 40' 80'

NOTES:

1. CONTRACTOR SHALL PROVIDE TEMPORARY EXCAVATION SUPPORT SYSTEM TO PROTECT RAILROAD TRACKS.
2. LOCATION OF TEMPORARY EXCAVATION SUPPORT SYSTEM IS APPROXIMATE. FINAL DIMENSIONS SHALL BE DETERMINED BY CONTRACTOR IN ACCORDANCE WITH SPECIFICATIONS SECTION 02260–EXCAVATION SUPPORT AND PROTECTION.
3. LIMIT OF SLUDGE IS APPROXIMATE BASED ON TEST PIT AND GEOPROBE OBSERVATIONS BY TRC JULY 2002 AND DECEMBER 2002, AND AERIAL PHOTOGRAPH OF ACTIVE LAGOONS, 1974.
4. CONTRACTOR SHALL EXCAVATE BERM SOILS TO OBTAIN ACCESS TO SLUDGE MATERIALS BELOW. EXCAVATED BERM SOILS SHALL BE STOCKPILED, STAGED, AND SAMPLED FOR POSSIBLE ON SITE REUSE IN ACCORDANCE WITH THE SPECIFICATIONS.
5. CONTRACTOR SHALL MONITOR FOR, AND CONTROL EMISSIONS OF AIRBORNE CONTAMINANTS AND DUST DURING EXCAVATION IN ACCORDANCE WITH THE SPECIFICATIONS.
6. SEE SHEET C–1 FOR GENERAL NOTES AND LEGEND.

REV. NO.	DATE	DESCRIPTION	BY	CHECKED
1	12/04	RECORD DRAWINGS	GAM	FC
–	10/03	100% DESIGN SUBMITTAL	FC	GAM

STATE OF VERMONT
GREGORY A. MISCHE
NO. 8237
CIVIL
LICENSED
PROFESSIONAL ENGINEER

TRC

Boott Mills South
Foot of John Street
Lowell, MA 01852
978–970–5600

TRC PROJ. NO.: 02136–0510–01N9B

EPA CONTRACT NO.: 68–W6–0042

RAC SUBCONTRACT NO.: 107061

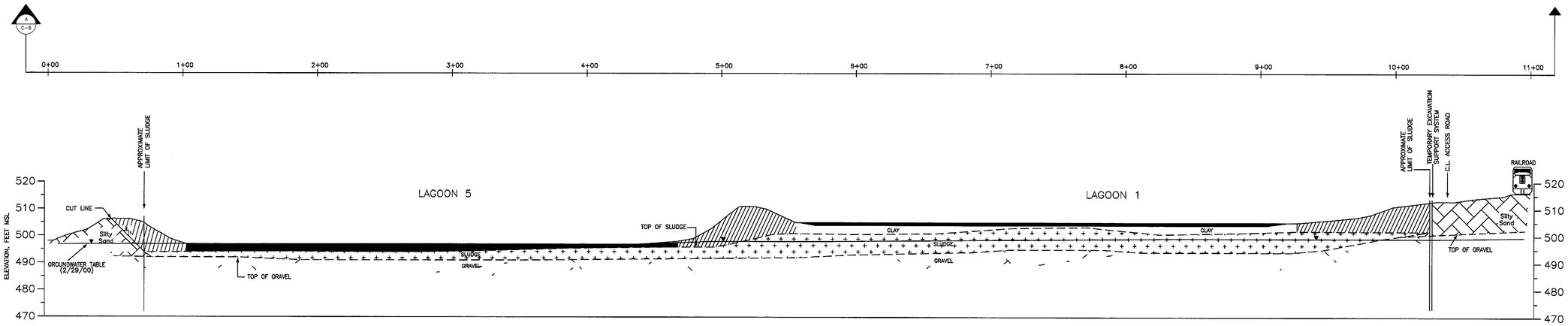
SHEET C–6

EXCAVATION PLAN
FOR LAGOONS 1 AND 5

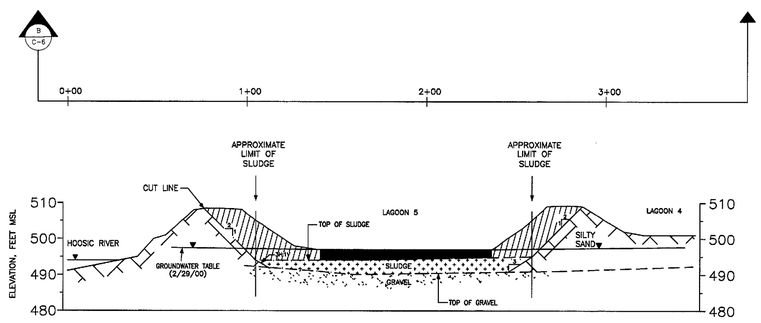
POWNAL TANNERY
SUPERFUND SITE
POWNAL, VERMONT

M&E Metcalf & Eddy

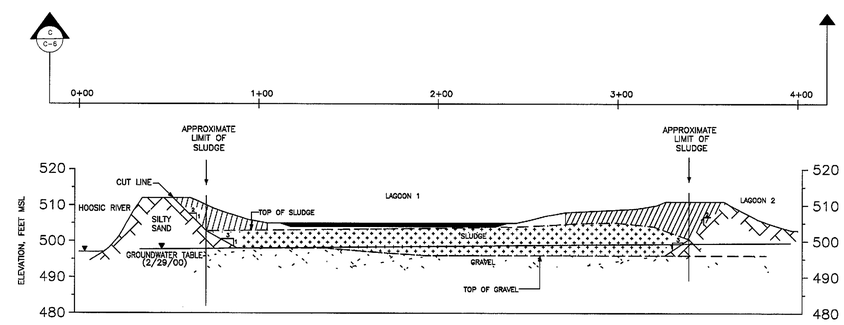
02136\POWNAL\ASBUILT\C-06\LAG 1n5 EXCAV



SECTION A–A'



SECTION B–B'



SECTION C–C'

NOTES:

1. CONTRACTOR SHALL REMOVE, STAGE, TEST EXISTING SOIL TO BE REMOVED IN ACCORDANCE WITH THE SPECIFICATIONS. SOIL TO BE REMOVED SHALL BE REUSED AS ON SITE BACKFILL OR PLACED AND COMPACTED IN LANDFILL DEPENDING ON RESULTS OF CHEMICAL TESTING.
2. THE DEPTH AND THICKNESS OF SLUDGE IS INTERPRETED BASED ON BORING AND TEST PIT DATA COLLECTED AT DISCRETE LOCATIONS. THE DEPTH AND THICKNESS OF THE SLUDGE MAY VARY FROM THOSE SHOWN BETWEEN MEASUREMENT POINTS.
3. GROUNDWATER ELEVATION IS BASED ON MEASUREMENTS AT DISCRETE LOCATIONS AND AT A SPECIFIC TIME. ELEVATIONS MAY VARY CONSIDERABLY WITH TIME AND BETWEEN MEASUREMENT POINTS.
4. CONTRACTOR SHALL NOT BREACH THE BERM SEPARATING THE LAGOON AREA FROM THE HOOSIC RIVER UNLESS DIRECTED TO DO SO BY THE ENGINEER.
5. CONTRACTOR SHALL DETERMINE REQUIRED DEPTH OF TEMPORARY EXCAVATION SUPPORT SYSTEM IN ACCORDANCE WITH SPECIFICATION SECTION 02260–EXCAVATION SUPPORT AND PROTECTION.

LEGEND

- EXISTING SOIL TO BE REMOVED, STAGED AND SAMPLED FOR POSSIBLE ON SITE REUSE
- EXISTING SOIL TO REMAIN IN PLACE
- SLUDGE TO BE EXCAVATED
- GRAVEL (TO REMAIN IN PLACE)
- SURFACE WATER
- CLAY/EXISTING SOIL TO BE EXCAVATED

REV. NO.	DATE	DESCRIPTION	BY	CHECKED
1	12/04	RECORD DRAWINGS	GAM	FC
–	10/03	100% DESIGN SUBMITTAL	FC	GAM

STATE OF VERMONT
GREGORY A. MISCHLER
NO. 8227-CIVIL
LICENSED
PROFESSIONAL ENGINEER

TRC
Boott Mills South
Foot of John Street
Lowell, MA 01852
978-970-5600

TRC PROJ. NO.: 02136-0510-01N9B

EPA CONTRACT NO.: 68-W6-0042

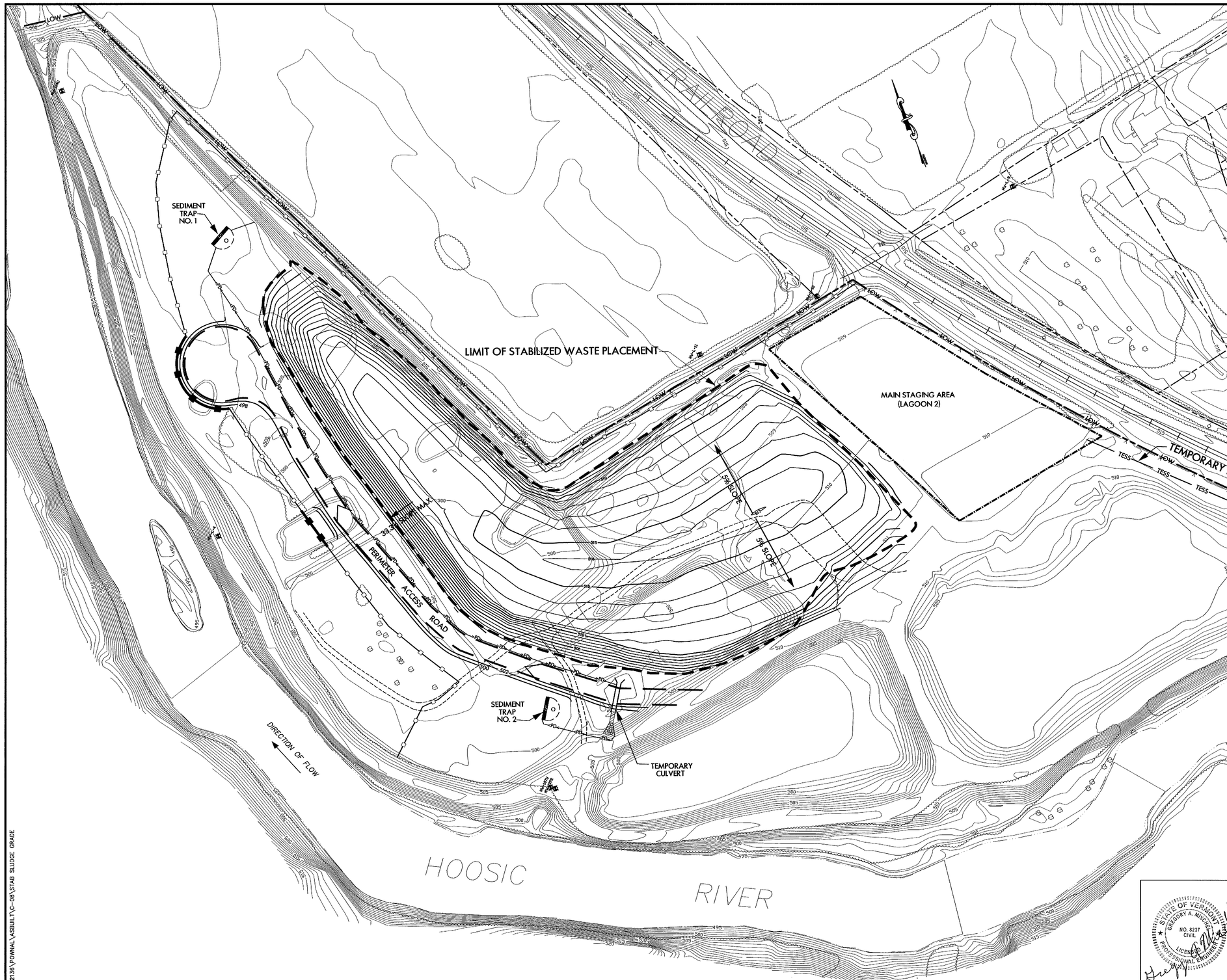
RAC SUBCONTRACT NO.: 107061

SHEET C-7
EXCAVATION
CROSS SECTIONS

POWNAL TANNERY
SUPERFUND SITE
POWNAL, VERMONT

M&E Metcalf & Eddy

02136\POWNAL\ASBUILTS\CROSS-SECT



GRAPHIC SCALE

0' 30' 60' 120'

NOTES:

1. ALL STABILIZED MATERIAL CONTOURS ARE APPROXIMATE.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ACCESS TO ALL AREAS OF SITE TO PERFORM WORK. CONTRACTOR SHALL SEQUENCE WORK TO MAINTAIN ACCESS. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF TEMPORARY CONSTRUCTION ROADS NEEDED TO MAINTAIN ACCESS.
3. SIDE SLOPES SHALL HAVE 33.3% GRADES (MAX.)
4. TOP SLOPES SHALL HAVE 5% GRADES (MIN.) THE TOP SLOPE WAS ADJUSTED WITH GAS VENT SAND TO ENSURE 5% MIN. SLOPE ON GEOMEMBRANE.
5. REMOVE ALL ACCUMULATED SEDIMENT FROM THE SEDIMENT TRAPS AND PLACE IN LANDFILL PRIOR TO COMPLETING GAS VENT SAND LAYER PLACEMENT.
6. THE FINAL SURFACE OF THE STABILIZED WASTE SHALL BE SMOOTH WITH NO ABRUPT CHANGES IN GRADE PRIOR TO CONSTRUCTING CAP.
7. SEE SHEET C-1 FOR GENERAL NOTES AND LEGEND.
8. PRIOR TO PLACEMENT OF STABILIZED MATERIAL CUT AND CAP ALL BURIED PIPE THAT EXTENDS ACROSS FOOT PRINT OF LANDFILL. EXCAVATE PORTION OF PIPE OUTSIDE LIMIT OF STABILIZED WASTE AND DISPOSE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.

REV. NO.	DATE	DESCRIPTION	BY	CHECKED
1	12/04	RECORD DRAWINGS	GAM	FC
–	10/03	100% DESIGN SUBMITTAL	FC	GAM

STATE OF VERMONT
GREGORY A. MIGNONE
NO. 8237
CIVIL
LICENSED
PROFESSIONAL ENGINEER

TRC

Boott Mills South
Foot of John Street
Lowell, MA 01852
978-970-5600

TRC PROJ. NO.: 02136-0510-01N9B

EPA CONTRACT NO.: 68-W6-0042

RAC SUBCONTRACT NO.: 107061

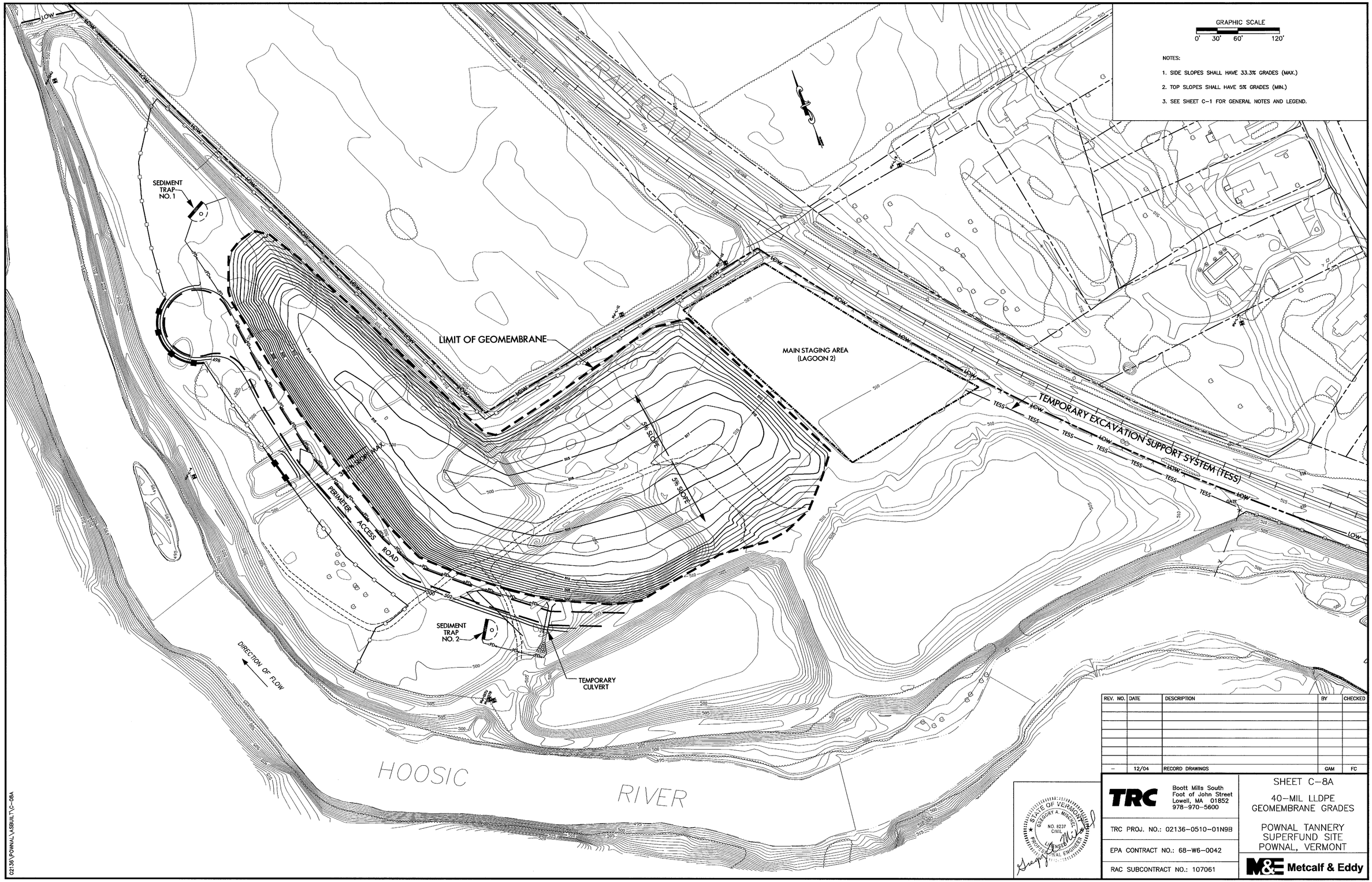
SHEET C-8

STABILIZED MATERIAL (SLUDGE) GRADING PLAN

POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

M&E Metcalf & Eddy

02136\POWNAL\ASBUILT\C-08\STAB SLUDGE GRADE



REV. NO.	DATE	DESCRIPTION	BY	CHECKED
–	12/04	RECORD DRAWINGS	GAM	FC

TRC
Boott Mills South
Foot of John Street
Lowell, MA 01852
978-970-5600

TRC PROJ. NO.: 02136-0510-01N9B

EPA CONTRACT NO.: 68-W6-0042

RAC SUBCONTRACT NO.: 107061

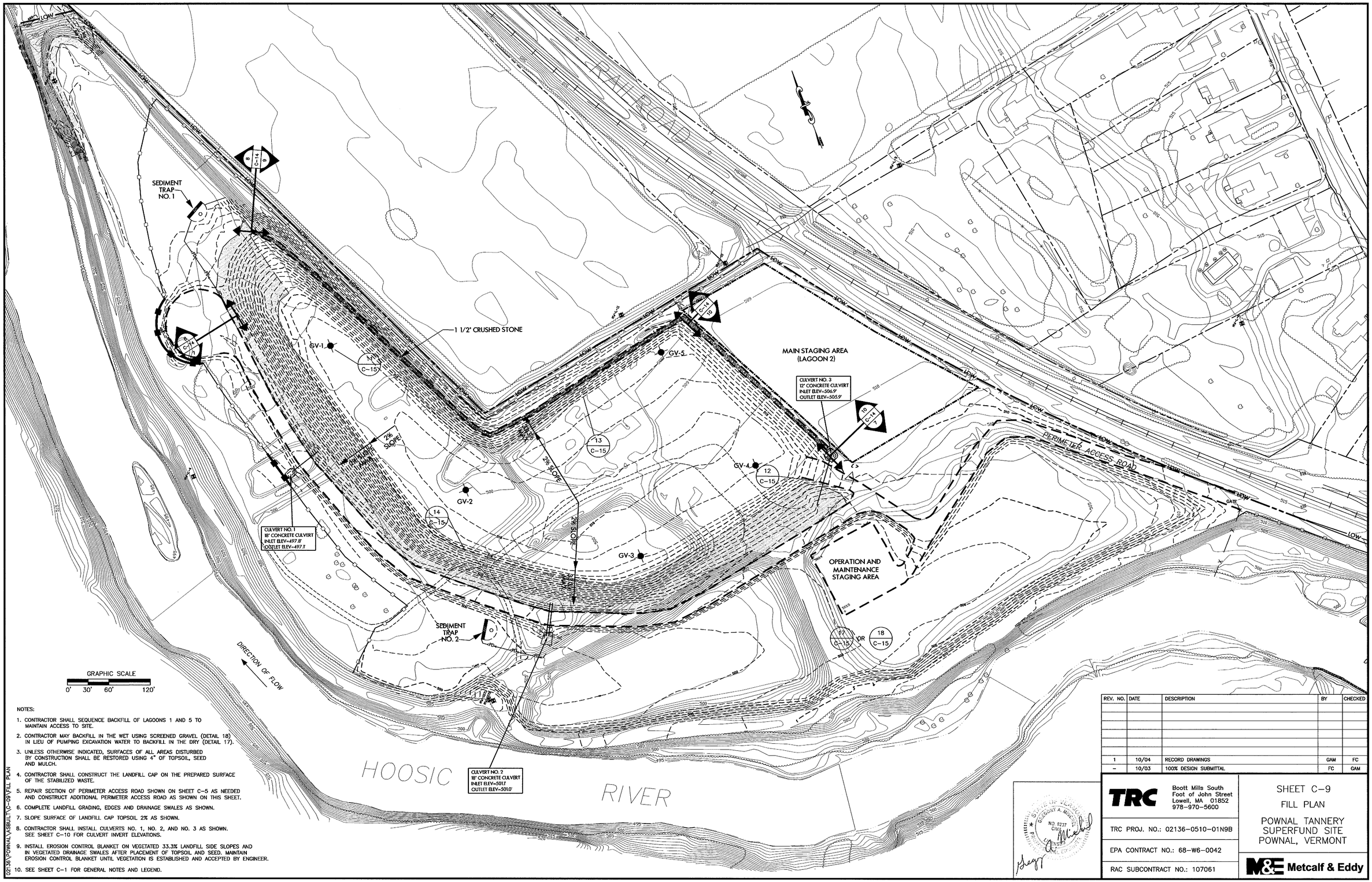
SHEET C-8A

40-MIL LLDPE GEOMEMBRANE GRADES

POWNAL TANNERY SUPERFUND SITE POWNAL, VERMONT

M&E Metcalf & Eddy

02136\POWNAL\ASBUILT\C-08A



NOTES:

1. CONTRACTOR SHALL SEQUENCE BACKFILL OF LAGOONS 1 AND 5 TO MAINTAIN ACCESS TO SITE.
2. CONTRACTOR MAY BACKFILL IN THE WET USING SCREENED GRAVEL (DETAIL 18) IN LIEU OF PUMPING EXCAVATION WATER TO BACKFILL IN THE DRY (DETAIL 17).
3. UNLESS OTHERWISE INDICATED, SURFACES OF ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED USING 4" OF TOPSOIL, SEED AND MULCH.
4. CONTRACTOR SHALL CONSTRUCT THE LANDFILL CAP ON THE PREPARED SURFACE OF THE STABILIZED WASTE.
5. REPAIR SECTION OF PERIMETER ACCESS ROAD SHOWN ON SHEET C-5 AS NEEDED AND CONSTRUCT ADDITIONAL PERIMETER ACCESS ROAD AS SHOWN ON THIS SHEET.
6. COMPLETE LANDFILL GRADING, EDGES AND DRAINAGE SWALES AS SHOWN.
7. SLOPE SURFACE OF LANDFILL CAP TOPSOIL 2% AS SHOWN.
8. CONTRACTOR SHALL INSTALL CULVERTS NO. 1, NO. 2, AND NO. 3 AS SHOWN. SEE SHEET C-10 FOR CULVERT INVERT ELEVATIONS.
9. INSTALL EROSION CONTROL BLANKET ON VEGETATED 33.3% LANDFILL SIDE SLOPES AND IN VEGETATED DRAINAGE SWALES AFTER PLACEMENT OF TOPSOIL AND SEED. MAINTAIN EROSION CONTROL BLANKET UNTIL VEGETATION IS ESTABLISHED AND ACCEPTED BY ENGINEER.
10. SEE SHEET C-1 FOR GENERAL NOTES AND LEGEND.

02136\POWNAL\ASBUILT\C-09\FILL PLAN

REV. NO.	DATE	DESCRIPTION	BY	CHECKED
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–	10/03	100% DESIGN SUBMITTAL	FC	GAM

TRC

Boott Mills South
Foot of John Street
Lowell, MA 01852
978-970-5600

TRC PROJ. NO.: 02136-0510-01N9B

EPA CONTRACT NO.: 68-W6-0042

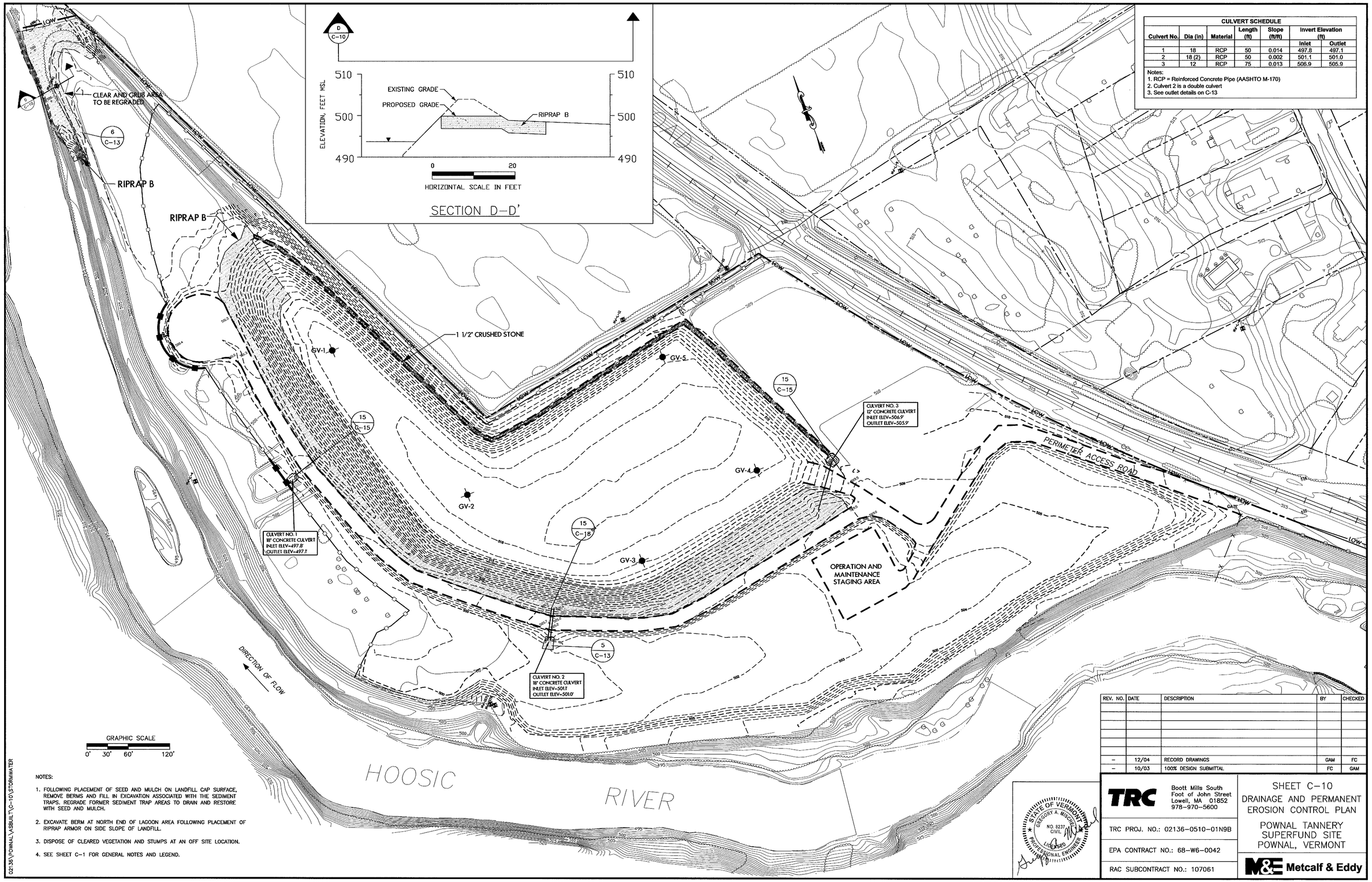
RAC SUBCONTRACT NO.: 107061

SHEET C-9

FILL PLAN

POWNAL TANNERY
SUPERFUND SITE
POWNAL, VERMONT

M&E Metcalf & Eddy



CULVERT SCHEDULE						
Culvert No.	Dia (in)	Material	Length (ft)	Slope (ft/ft)	Invert Elevation (ft)	
					Inlet	Outlet
1	18	RCP	50	0.014	497.8	497.1
2	18 (2)	RCP	50	0.002	501.1	501.0
3	12	RCP	75	0.013	506.9	505.9

Notes:
1. RCP = Reinforced Concrete Pipe (AASHTO M-170)
2. Culvert 2 is a double culvert
3. See outlet details on C-13

NOTES:

1. FOLLOWING PLACEMENT OF SEED AND MULCH ON LANDFILL CAP SURFACE, REMOVE BERMS AND FILL IN EXCAVATION ASSOCIATED WITH THE SEDIMENT TRAPS. REGRADE FORMER SEDIMENT TRAP AREAS TO DRAIN AND RESTORE WITH SEED AND MULCH.
2. EXCAVATE BERM AT NORTH END OF LAGOON AREA FOLLOWING PLACEMENT OF RIPRAP ARMOR ON SIDE SLOPE OF LANDFILL.
3. DISPOSE OF CLEARED VEGETATION AND STUMPS AT AN OFF SITE LOCATION.
4. SEE SHEET C-1 FOR GENERAL NOTES AND LEGEND.

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–	10/03	100% DESIGN SUBMITTAL	FC	GAM

STATE OF VERMONT
GREGORY A. MINDER
NO. 8237
CIVIL
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PROFESSIONAL ENGINEER

TRC
Boott Mills South
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Lowell, MA 01852
978-970-5600

TRC PROJ. NO.: 02136-0510-01N9B

EPA CONTRACT NO.: 68-W6-0042

RAC SUBCONTRACT NO.: 107061

SHEET C-10
DRAINAGE AND PERMANENT EROSION CONTROL PLAN

POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

M&E Metcalf & Eddy

02136\POWNAL\ASBUILT\C-10\STORMWATER

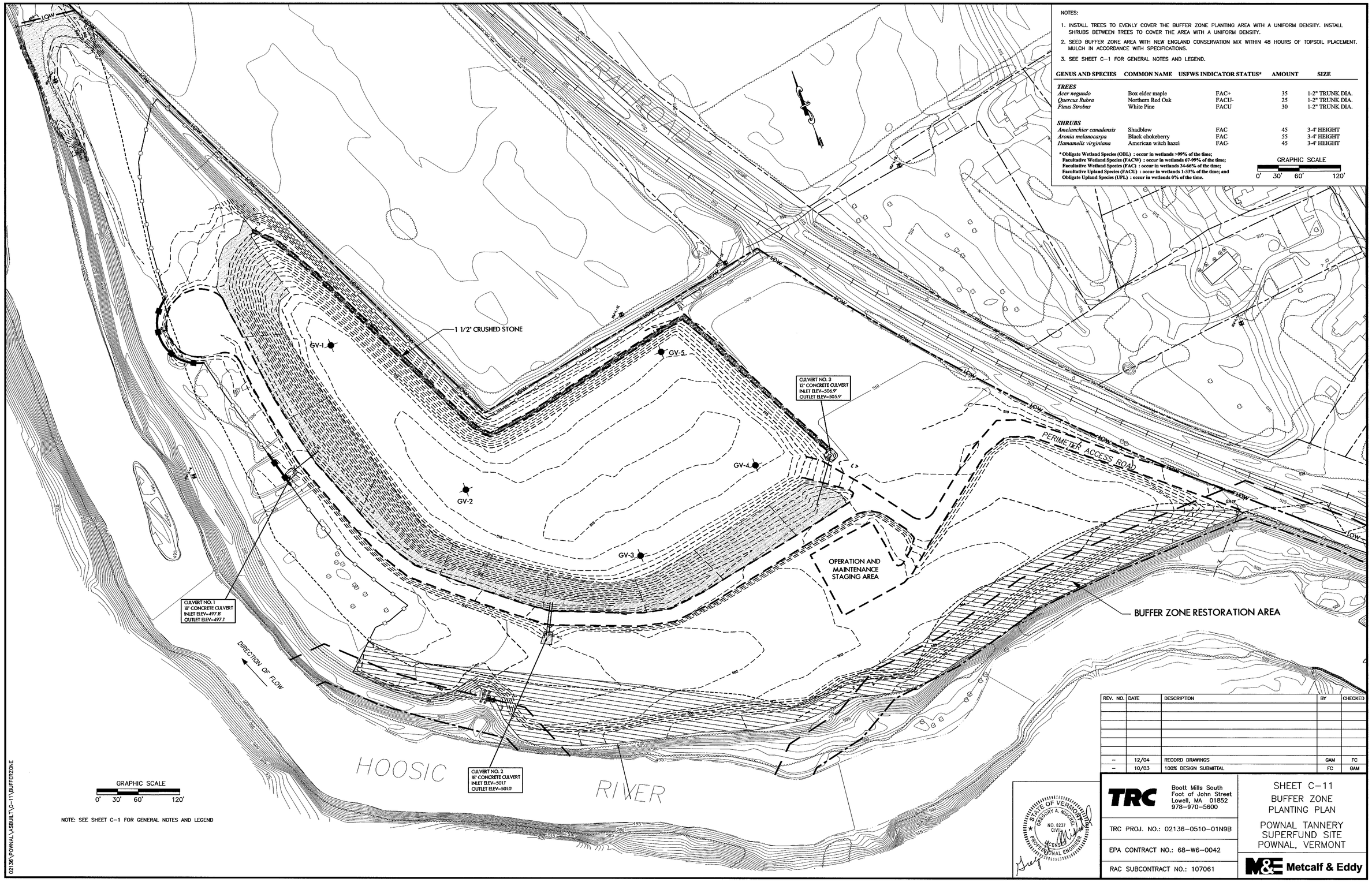
NOTES:

1. INSTALL TREES TO EVENLY COVER THE BUFFER ZONE PLANTING AREA WITH A UNIFORM DENSITY. INSTALL SHRUBS BETWEEN TREES TO COVER THE AREA WITH A UNIFORM DENSITY.
2. SEED BUFFER ZONE AREA WITH NEW ENGLAND CONSERVATION MIX WITHIN 48 HOURS OF TOPSOIL PLACEMENT. MULCH IN ACCORDANCE WITH SPECIFICATIONS.
3. SEE SHEET C-1 FOR GENERAL NOTES AND LEGEND.

GENUS AND SPECIES	COMMON NAME	USFWS INDICATOR STATUS*	AMOUNT	SIZE
TREES				
Acer negundo	Box elder maple	FAC+	35	1-2" TRUNK DIA.
Quercus Rubra	Northern Red Oak	FACU-	25	1-2" TRUNK DIA.
Pinus Strobus	White Pine	FACU	30	1-2" TRUNK DIA.
SHRUBS				
Amelanchier canadensis	Shadblow	FAC	45	3-4' HEIGHT
Aronia melanocarpa	Black chokeberry	FAC	55	3-4' HEIGHT
Hamamelis virginiana	American witch hazel	FAC-	45	3-4' HEIGHT

*** Obligate Wetland Species (OBL) : occur in wetlands >99% of the time;**
Facultative Wetland Species (FACW) : occur in wetlands 67-99% of the time;
Facultative Wetland Species (FAC) : occur in wetlands 34-66% of the time;
Facultative Upland Species (FACU) : occur in wetlands 1-33% of the time; and
Obligate Upland Species (UPL) : occur in wetlands 0% of the time.

GRAPHIC SCALE
0' 30' 60' 120'



GRAPHIC SCALE
0' 30' 60' 120'

NOTE: SEE SHEET C-1 FOR GENERAL NOTES AND LEGEND

REV. NO.	DATE	DESCRIPTION	BY	CHECKED
–	12/04	RECORD DRAWINGS	GAM	FC
–	10/03	100% DESIGN SUBMITTAL	FC	GAM

STATE OF VERMONT
GREGORY A. MINCHEW
NO. 8237
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Boott Mills South
Foot of John Street
Lowell, MA 01852
978-970-5600

TRC PROJ. NO.: 02136-0510-01N9B

EPA CONTRACT NO.: 68-W6-0042

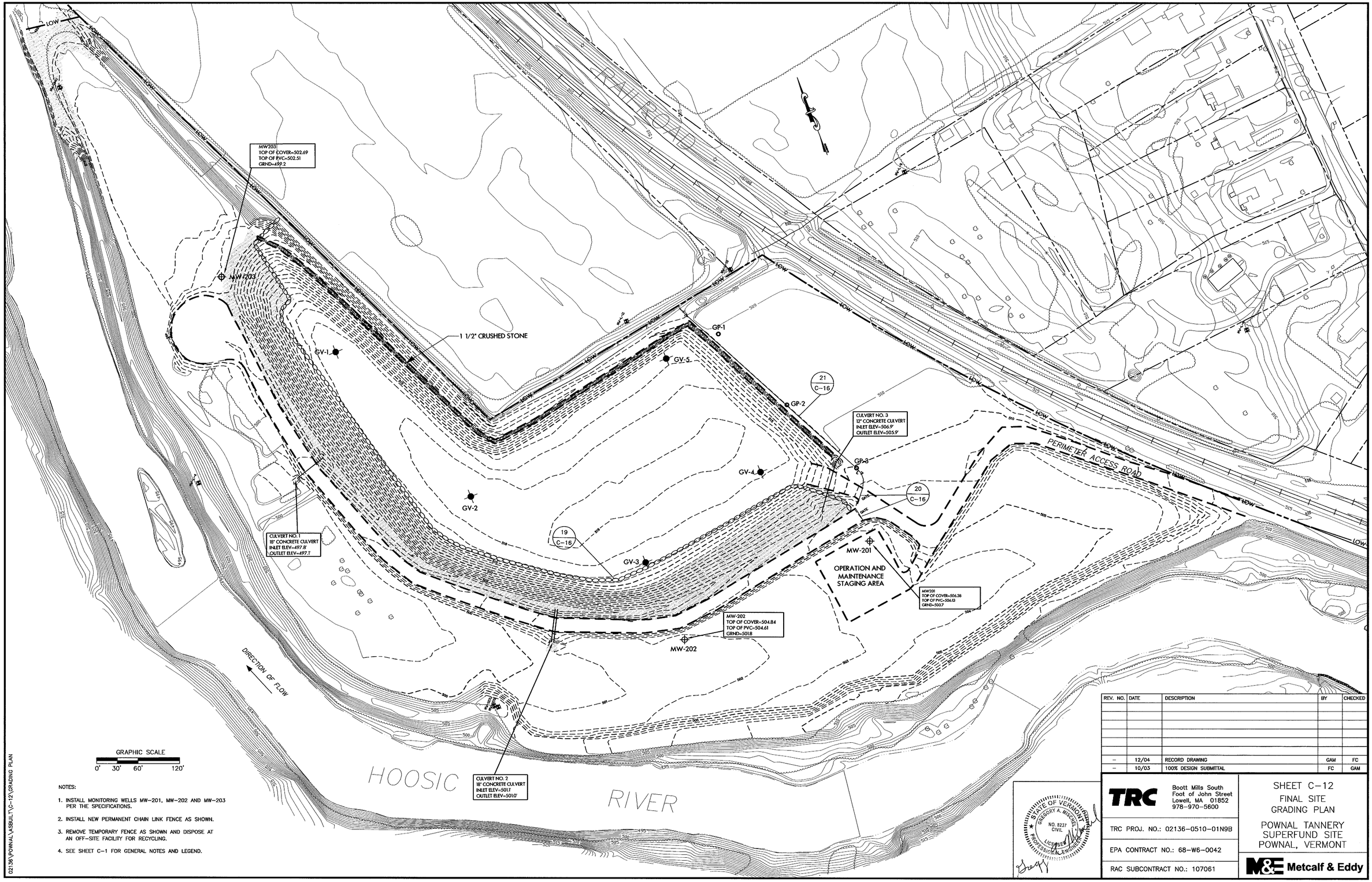
RAC SUBCONTRACT NO.: 107061

SHEET C-11
BUFFER ZONE
PLANTING PLAN

POWNAL TANNERY
SUPERFUND SITE
POWNAL, VERMONT

M&E Metcalf & Eddy

02136\POWNAL\ASBUILT\C-11\BUFFERZONE



NOTES:

1. INSTALL MONITORING WELLS MW-201, MW-202 AND MW-203 PER THE SPECIFICATIONS.
2. INSTALL NEW PERMANENT CHAIN LINK FENCE AS SHOWN.
3. REMOVE TEMPORARY FENCE AS SHOWN AND DISPOSE AT AN OFF-SITE FACILITY FOR RECYCLING.
4. SEE SHEET C-1 FOR GENERAL NOTES AND LEGEND.

REV. NO.	DATE	DESCRIPTION	BY	CHECKED
–	12/04	RECORD DRAWING	GAM	FC
–	10/03	100% DESIGN SUBMITTAL	FC	GAM

STATE OF VERMONT
GREGORY A. MISCORE
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TRC
Boott Mills South
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Lowell, MA 01852
978-970-5600

TRC PROJ. NO.: 02136-0510-01N9B

EPA CONTRACT NO.: 68-W6-0042

RAC SUBCONTRACT NO.: 107061

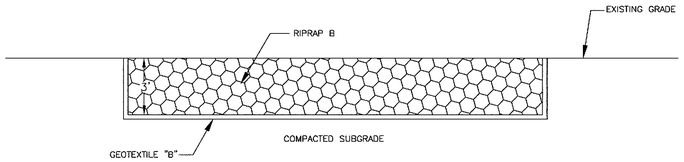
SHEET C-12
FINAL SITE
GRADING PLAN

POWNAL TANNERY
SUPERFUND SITE
POWNAL, VERMONT

M&E Metcalf & Eddy

02136\POWNAL\ASBUILT\C-12\GRADING PLAN

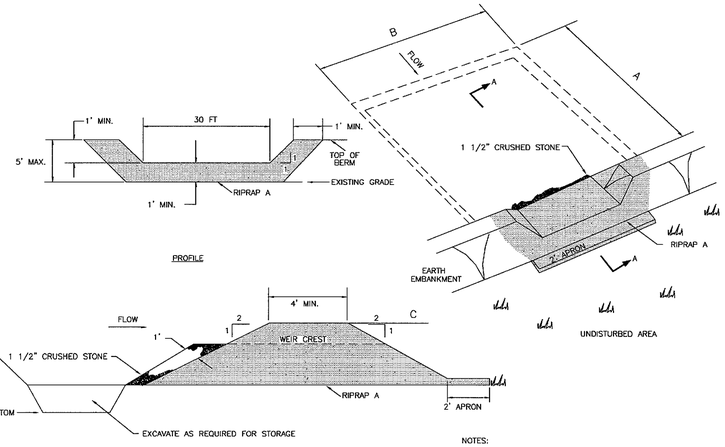
Temporary Sedimentation Trap Schedule							
Sed. Trap No.	Location Description	A Length (North to South) (ft)	B Width (East to West) (ft)	C Berm Elev. (ft)	Trap Bottom Elev. (ft)	Invert Elev. (ft)	Weir Crest Elev. (ft)
1	Northern Toe	70	90	499	495.5	498	497.5
2	Southwest corner	100	30	501	497	500.5	500



LAGOON AREA
OUTLET RIPRAP PROTECTION (6 / C-10)

NOT TO SCALE

VOLUME OF SEDIMENT TRAP SHALL BE AT LEAST 1800 CUBIC FEET PER ACRE OF DRAINAGE AS MEASURED AT THE ELEVATION OF THE CREST OF THE OUTLET



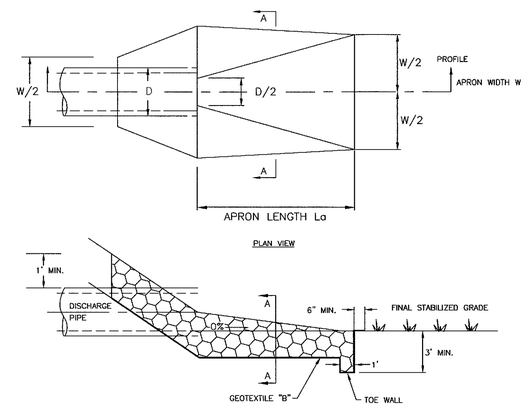
NOTES:

1. SEDIMENT TRAPS SIZED ASSUMING A DRAINAGE AREA OF 5 ACRES.
2. SEDIMENT TRAP 2 TO BE CONSTRUCTED ADJACENT TO DOUBLE CULVERT WHICH WILL DISCHARGE DIRECTLY INTO TRAP.
3. EARTH EMBANKMENT SHALL BE CONSTRUCTED TO DIRECT AND CAPTURE STORMWATER RUNOFF FROM THE CONTRIBUTING DRAINAGE AREA.

STONE OUTLET SEDIMENT TRAP (1 / C-5)

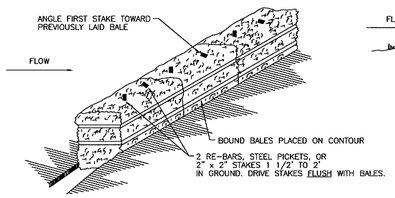
NOT TO SCALE

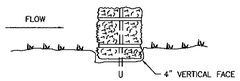
ROCK OUTLET PROTECTION SCHEDULE				
Culvert	Pipe Diameter (D) (in)	Apron Length (La) (ft)	Apron Width (W) (ft)	Minimum d50 Riprap Size (in)
1	18	10	12	3
2	18 (2)	10	14	5
3	12	9	10	3



ROCK OUTLET PROTECTION (5 / C-5)

NOT TO SCALE





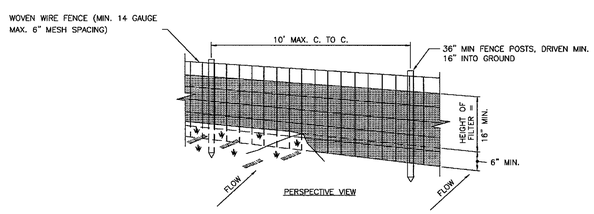
CONTRIBUTING DRAINAGE AREA IS LESS THAN 1/2 ACRE AND THE LENGTH OF THE SLOPE ABOVE THE DIKE IS LESS THAN 100 FEET.

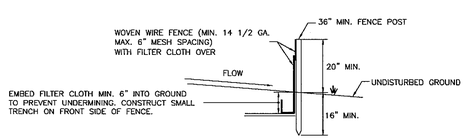
NOTES:

1. CONSTRUCT ALL EROSION AND SEDIMENT CONTROL STRUCTURES AS SPECIFIED, AND AS SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN.
2. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO INITIATION OF SITE CLEARING OPERATIONS.
3. PERFORM GRADING IN ACCORDANCE WITH DESIGN PLAN.

STRAW BALE DIKE (3 / C-5)

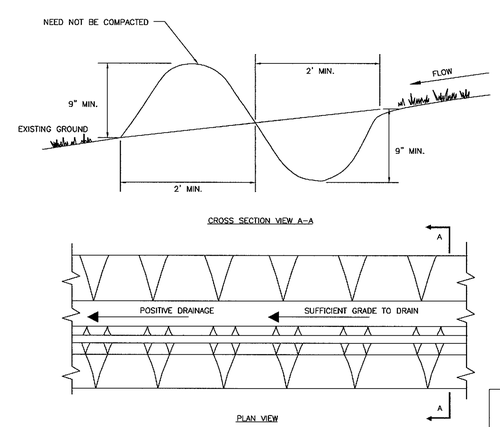
NOT TO SCALE





SILT FENCE (4 / C-5)

NOT TO SCALE



TEMPORARY PERIMETER DIKE/SWALE (2 / C-5)

NOT TO SCALE

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1	12/04	RECORD DRAWINGS	GAM	FC
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STATE OF VERMONT — GREGORY A. MISCHEL — NO. 8237 CIVIL — LICENSED PROFESSIONAL ENGINEER

TRC

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TRC PROJ. NO.: 02136-0510-01N9B

EPA CONTRACT NO.: 68-W6-0042

RAC SUBCONTRACT NO.: 107061

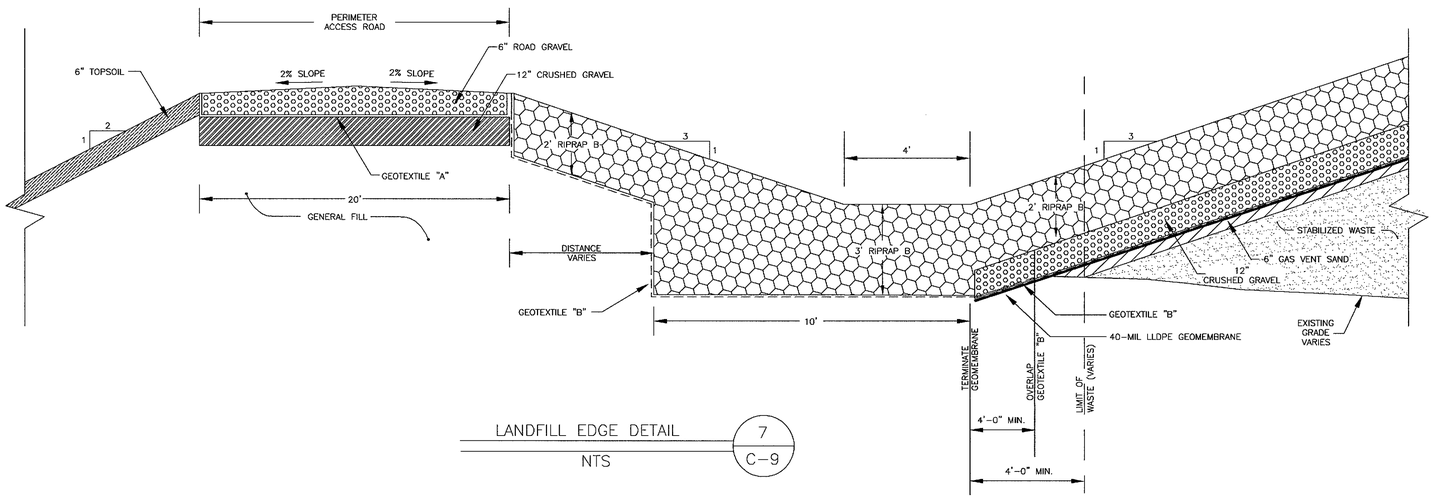
SHEET C-13

EROSION AND SEDIMENTATION CONTROL DETAILS

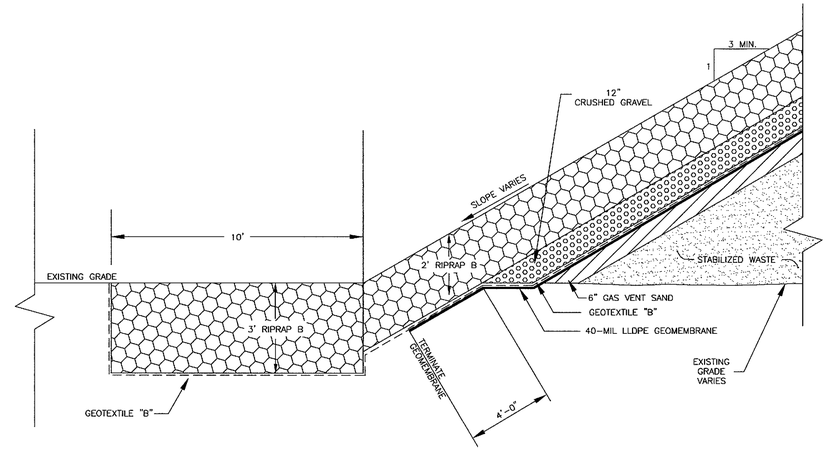
POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

Metcalf & Eddy

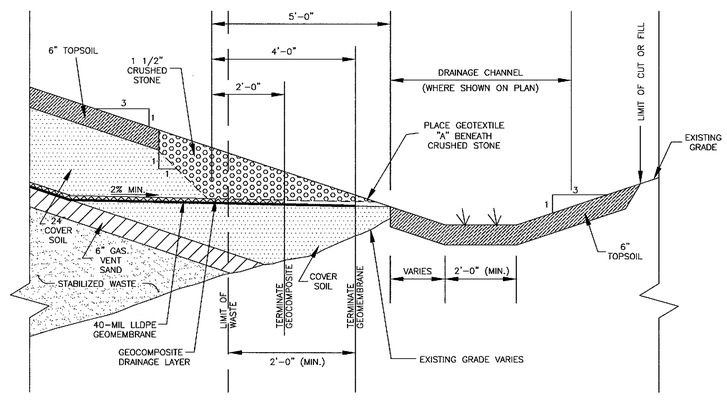
02136\POWNAL\ASBUILTS\DETAILS EROS AND SED



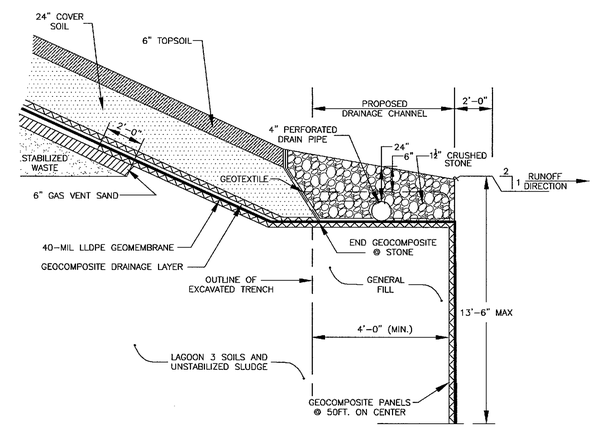
LANDFILL EDGE DETAIL 7 / C-9
NTS



LANDFILL EDGE DETAIL 8 / C-9
NTS



LANDFILL EDGE DETAIL 9 / C-9
NTS



LANDFILL EDGE DETAIL 10 / C-9
NTS

REV. NO.	DATE	DESCRIPTION	BY	CHECKED
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EPA CONTRACT NO.: 68-W6-0042

RAC SUBCONTRACT NO.: 107061

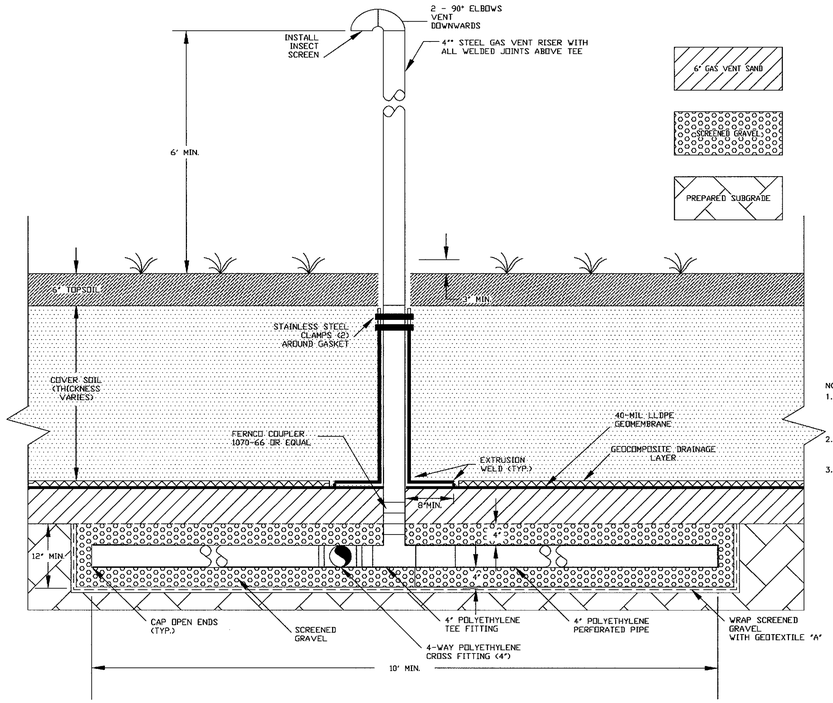
SHEET C-14

LANDFILL EDGE DETAILS

POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

M&E Metcalf & Eddy

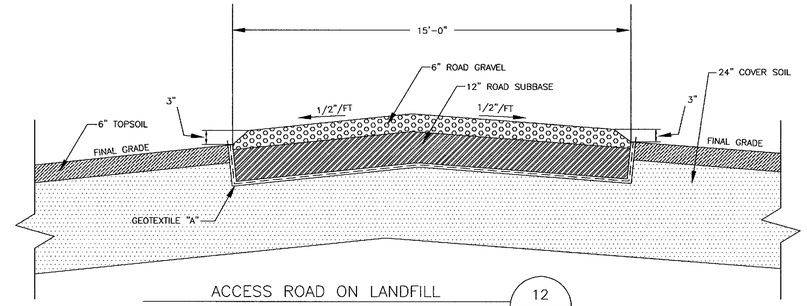
02136\POWNAL\ASBUILTS\DETAILS LANDFILL EDGE



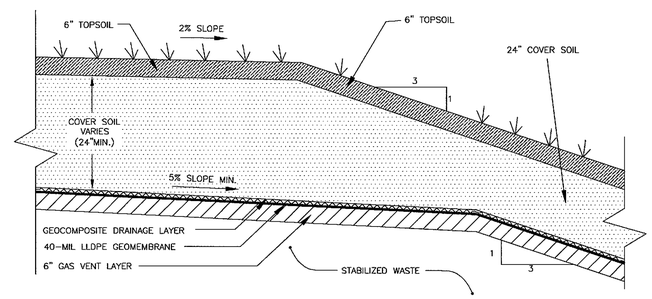
NOTES:
1. POLYETHYLENE PERFORATED PIPE SHALL EXTEND A MINIMUM OF 5' FROM 4-WAY CROSS FITTINGS IN ALL DIRECTIONS.
2. PROVIDE STAINLESS STEEL PIPE CLAMP AND SCREEN FOR INSECT SCREEN.
3. OVERLAP GEOTEXTILE A MINIMUM OF 2' PRIOR TO PLACING GAS VENT SAND

TYP. GAS VENT DETAIL — 11 / C-9
NTS

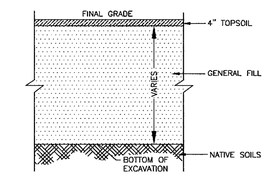
NOTES:
1. PROVIDE MINIMUM 2' OVERLAP FOR GEOTEXTILE SEAMS.



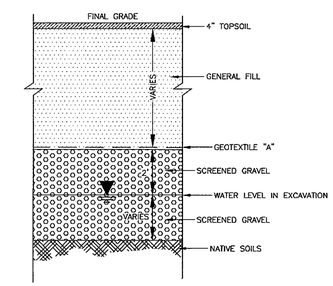
ACCESS ROAD ON LANDFILL — 12 / C-9
NTS



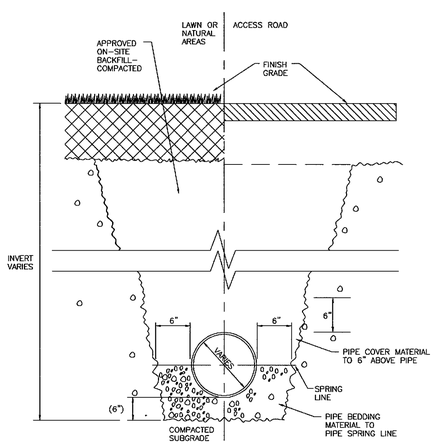
LANDFILL CAP SECTION — 13 / C-9
NTS



LAGOON BACKFILL DETAIL-IN THE DRY — 17 / C-9
NTS

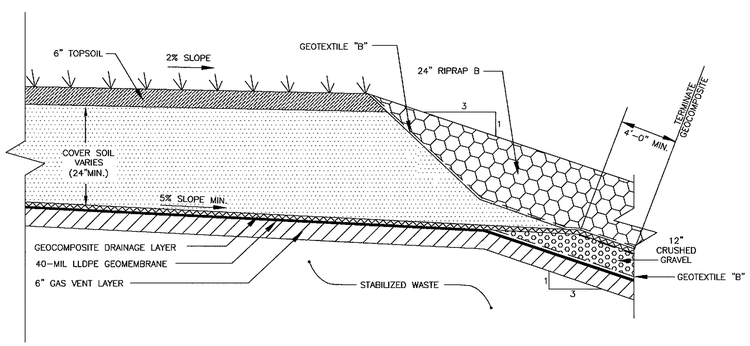


LAGOON BACKFILL DETAIL-IN THE WET — 18 / C-9
NTS



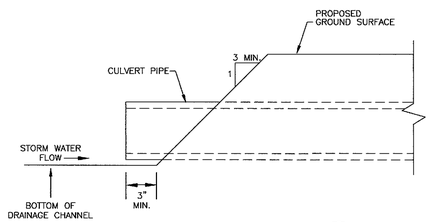
PIPE BEDDING — 16 / C-5/9
NTS

NOTE:
1. CRUSHED GRAVEL OR ROAD GRAVEL MAY BE USED FOR PIPE COVER OR PIPE BEDDING MATERIALS.



LANDFILL CAP SECTION WITH RIPRAP — 14 / C-9
NTS

NOTE:
1. RIPRAP SHALL BE CAREFULLY PLACED TO AVOID DAMAGE TO GEOCOMPOSITE.



TYP. CULVERT INLET — 15 / C-10
NTS

NOTES:
1. CULVERT LENGTH, SLOPE, INVERT ELEVATION AND DIAMETERS AS SHOWN ON "CULVERT SCHEDULE" ON SHEET 10.
2. MATERIALS AT GROUND SURFACE VARY AS SHOWN ON SHEETS C-9 AND C-10.
3. PIPE INVERT SHALL BE ABOVE BOTTOM OF DRAINAGE CHANNEL.

REV. NO.	DATE	DESCRIPTION	BY	CHECKED
1	12/04	RECORD DRAWINGS	GAM	FC
–	10/03	100% DESIGN SUBMITTAL	FC	GAM

STATE OF VERMONT — GREGORY A. MISCHLER — NO. 8237 CIVIL — LICENSED PROFESSIONAL ENGINEER

TRC
Boott Mills South
Foot of John Street
Lowell, MA 01852
978-970-5600

TRC PROJ. NO.: 02136-0510-01N9B

EPA CONTRACT NO.: 68-W6-0042

RAC SUBCONTRACT NO.: 107061

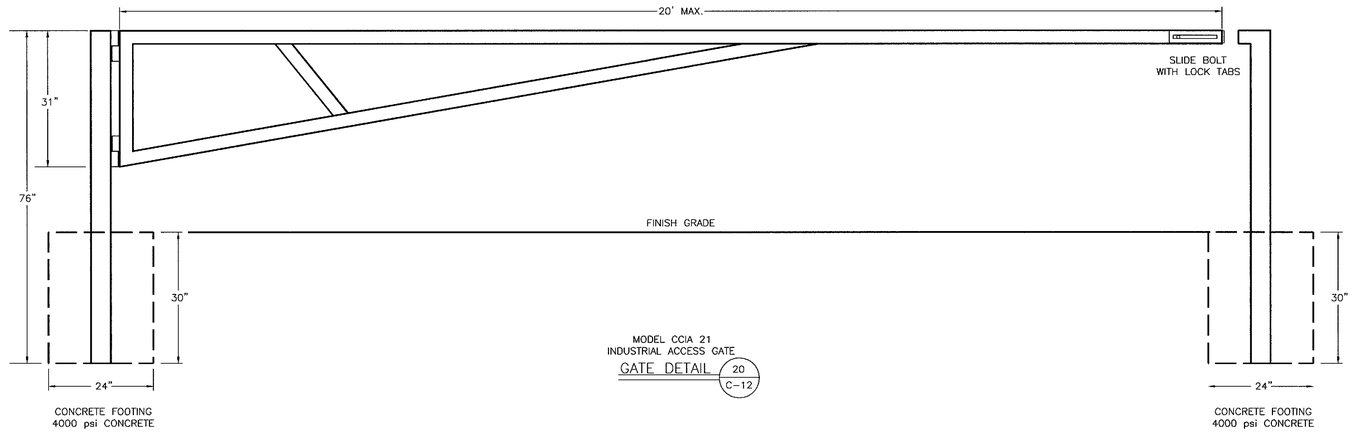
SHEET C-15

GENERAL DETAILS

POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

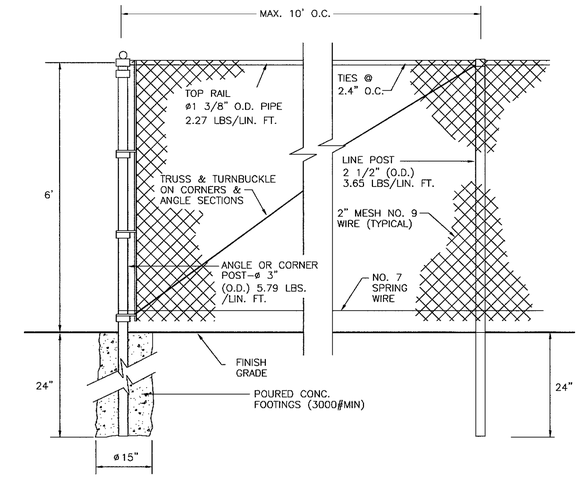
Metcalf & Eddy

02136\POWNAL\ASBUILTS\GENERAL DETAILS



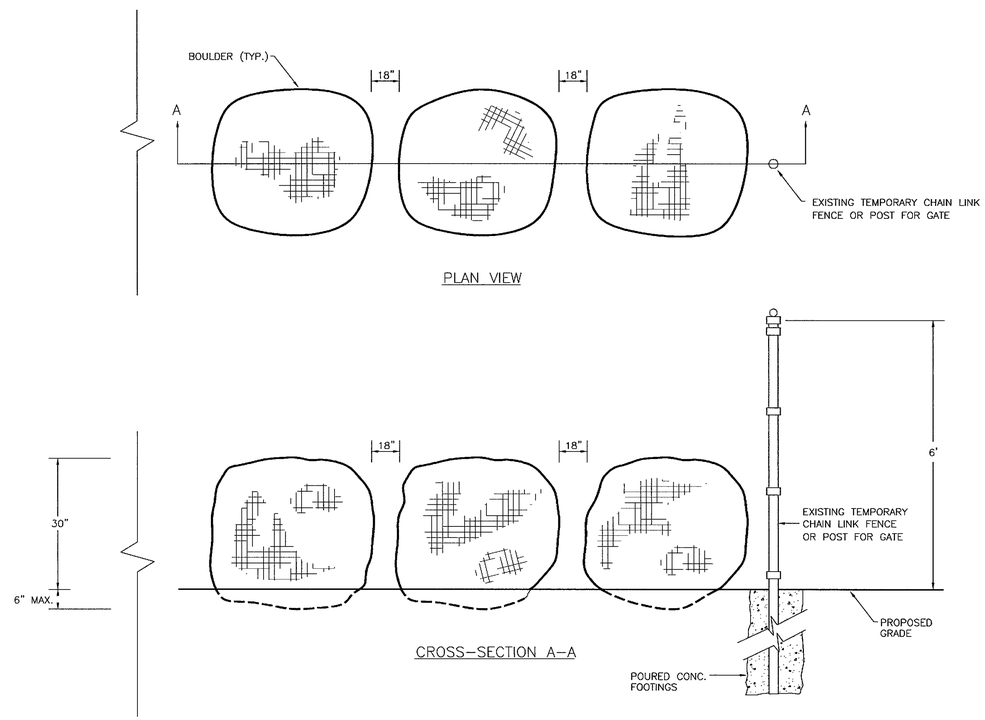
MODEL CCIA 21
INDUSTRIAL ACCESS GATE

GATE DETAIL 20 / C-12



TEMPORARY FENCE DETAIL 21 / C-12

NOT TO SCALE



BOULDER BARRIER DETAIL 19 / C-12

NOTES:

1. CONTRACTOR SHALL HAND DIG ALL POST HOLES WHERE THE THICKNESS FROM THE FINISH GRADE TO THE GEOMEMBRANE IS 36" OR LESS.
2. CONTRACTOR SHALL NOT DAMAGE CAP GEOMEMBRANE DURING INSTALLATION OF POSTS. ANY DAMAGE CAUSED BY INSTALLATION OF FENCE POSTS SHALL BE REPAIRED IN ACCORDANCE WITH THE SPECIFICATIONS AT CONTRACTOR'S EXPENSE.
3. REMOVE TEMPORARY SECURITY FENCE AS INDICATED. REMOVED FENCE SHALL BE REINSTALLED AS SHOWN ON SHEET C-12 . THE REMAINDER SHALL BE DISPOSED OFF SITE FOR RECYCLING.

REV. NO.	DATE	DESCRIPTION	BY	CHECKED
1	12/04	RECORD DRAWINGS	GAM	FC
–	10/03	100% DESIGN SUBMITTAL	MP	GAM

STATE OF VERMONT
GREGORY A. MINCHELLA
NO. 8237
CIVIL
LICENSED
PROFESSIONAL ENGINEER

TRC
Boott Mills South
Foot of John Street
Lowell, MA 01852
978-970-5600

TRC PROJ. NO.: 02136-0510-01N9B

EPA CONTRACT NO.: 68-W6-0042

RAC SUBCONTRACT NO.: 107061

SHEET C-16

FENCE DETAILS

POWNAL TANNERY
SUPERFUND SITE
POWNAL, VERMONT

Metcalf & Eddy

02136\POWNAL\ASBUILTS\FENCE DETAIL

Trees in Lagoon 5 area (9/2003)

View from Lagoon 1 after tree removal (9/2003)

The Lagoon 2 prepared for the fill placement (note wick drains installed by others) (9/2003)

Installation of wick drains in Lagoon 2 by others (8/2003)

First lift placement in Lagoon 2 (9/2003)

Backfilling Lagoon 2 (10/25/03)

Existing structure demolished (10/10/2003)

Existing structure demolished (10/10/2003)

Clearing around Lagoon 5 (10/17/03)

Erosion controls placed between Lagoon 4 and adjacent corn field (10/17/03)

Wood chips spread in Lagoon 4 (10/25/03)

Lagoon 3 – Staging area (11/10/2004)

Lagoon 1 prior to construction (3/10/04)

Lagoon 5 prior to construction (3/10/04)

Lagoon 4 future landfill location (3/10/04)

Lagoon 4 prior to construction (3/10/04)

Collection of sludge samples with an auger (3/10/04)

Collection of sludge samples for the bench scale test (3/10/04)

Installation of excavation support system along the access road (3/15/04)

Stock of steel sheeting for the excavation support system installation (3/15/04)

Installation of liner for the construction water detention basin (3/16/04

Completed liner for the detention pond (3/16/04)

Typical air monitoring equipment (4/29/04)

A typical air monitoring station, one of four situated on site (4/29/04)

Removal of on-site cover soils along the sheeting in lagoon 1 (4/14/04)

Removal of on-site cover soils along the river embankment in Lagoon 1 (4/14/04)

New delivered Allu power mixer for sludge mixing (4/14/04)

Allu power mixer modified blades for mixing of the sludge (4/21/04)

View west of the river berm soil mixed with some sludge and debris (6/22/04)

Excavation into the river berm to remove soil mixed with some sludge along Lagoon 1 (6/22/04)

Mixing and stabilizing sludge (4/14/04)

Steel rectangular hood for introducing cement into the sludge (4/14/04)

Cement tanker off loading into cement hood (6/22/04)

Sludge stabilization in Lagoon 5 (6/22/04)

Sludge stabilization in Lagoon 5 (6/17/04)

Sludge stabilization in Lagoon 5 (6/17/04)

Excavation and backfill in Lagoon 5 (6/22/04)

Excavation of stabilized sludge from Lagoon 1 (6/20/04)

Excavation of stabilized sludge along the excavation support (6/8/04)

Placement of stone and fill along the excavation support system (6/8/04)

Placement of stabilized sludge in Lagoon 4 (landfill) (6/8/04)

Placement and compaction of the stabilized sludge in the landfill (6/16/04)

Verification of compaction of the placed stabilized sludge (6/11/04)

Sample of compacted sludge collection in the landfill for testing (6/11/04)

Placement of geomembrane (7/20/04)

Installation of the geomembrane over the gas vent sand (7/20/04)

Installation of geotextile protection over the geomembrane (8/2/04)

Cover soil installation over the geocomposite layer (8/30/04)

Installation of the crushed gravel and riprap at the west slope (8/5/04)

Installation of riprap in the swale and southwest slope of the landfill (8/10/04)

Construction of the flood control area at northern section of the site (9/1/04)

Riprap flood control outlet (9/1/04)

Perimeter boulder barrier installed (9/7/04)

Perimeter boulder barrier installation at top of the landfill (9/7/04)

Hydro-seeding of the landfill (9/2/04)

Installation of an erosion mat on the hydro-seeded slope (9/8/04)

Planting of a red oak tree (9/27/04)

Planting in the riparian buffer zone (9/27/04)

View north at completion of site work (10/13/04)

Top of completed landfill (south side) (10/13/04)

View north of the west landfill side (10/13/04)

View west of the northern slope and swale of landfill by the corn field (10/13/04)

Power mixer working in Lagoon 1 (05/2004)

Mixing Sludge in Lagoon 1 (05/2004)

APPENDIX D

DESIGN CHANGE DOCUMENTATION

- Design Change No. 1 (Phase I): backfill compaction
- Design Change No. 1 (Phase II): stabilization criteria
- Design Change No. 2 (Phase II): transmissivity of geocomosite

Metcalf & Eddy

SUMMARY OF DESIGN CHANGE
Pownal Tannery Remedial Action

DATE PREPARED:	September 19, 2003	**PREPARED BY:**	N. Thurber
CHANGE NO:	001	**REVIEWED BY:**	J. Ramos
DESCRIPTION:	Modify backfill compaction specification		
DRAWING NO:	C-8 (as reference only)		
TECH. SPEC:	02316 (3.04 A)		

I. BACKGROUND TO DESIGN CHANGE PROPOSED:

Field in-place density measurements for the initial sand borrow lifts (first two 6-inch layers on top of subgrade placed by others) placed in Lagoon indicated densities below 95% maximum, but above 90%. The specifications require field compaction equal to or greater than 95% of the maximum dry density as determined from the modified Proctor. The design change proposes to modify the requirement to 90% or greater of the maximum density for the first 2 lifts.

II. SUMMARY OF ENGINEERING OPINION:

Based field observations and experience, the relatively loose density of the subgrade upon which the initial lifts were placed likely interfered with the compaction of the sand borrow. Review of the specifications used for the subgrade placement indicates that it was placed to 95% maximum density based on the standard Proctor, which is equivalent to about 90% maximum density for the modified Proctor. This was confirmed through discussions between TRC and FA&A. See attached letter for additional information and agreement to this modification by FA&A)

TRC

TRC Reference Number: 02136-0510-01N9B

September 18, 2003

Brad Aldrich
Forcier Aldrich & Associates, Inc
6 Market Place
Suite 2
Essex Junction, VT 05452

Subject: Compaction of Fill at Lagoon 2
Pownal Tannery Superfund Site
North Pownal, Vermont

Dear Brad:

For your information, placement of fill in Lagoon 2 began on September 16, 2003 and work is proceeding in accordance with our project specifications. However, as discussed via telephone on September 18, 2003 between Joe Duncan and myself, we have experienced difficulty in meeting the 95% modified Proctor compaction requirement in the first two, six-inch lifts. We believe that the principal reason that we are having difficulty achieving the 95% Modified Proctor compaction, is because the underlying fill material placed by FA&A was compacted to 95% *Standard Proctor*, which is a lower compaction standard than we are attempting to reach for the material being currently placed in the Lagoon. Consequently, we are proposing to relax the compaction standard of 95% Modified Proctor for the first two six-inch lifts, to 90% Modified Proctor.

Although you have already provided your verbal concurrence to this modification, we respectfully request your written concurrence with this procedure to properly document that you are aware of the change and that you have no concerns regarding the placement of this material in relation to your future planned use of the area. Please sign and return this letter to me as soon as possible, so that we may instruct the remediation contractor to proceed.

If you have any questions please contact me at 978-656-3560.

Sincerely;

Dale S. Weiss

Dale S. Weiss, P.G.
Senior Program Manager

cc: Leslie McVickar
Don Dwight, M&E

CONCUR: _____ DATE _____

Design Change No. 1

Project:	Pownal Tannery Lagoon Remediation, Pownal, Vermont
Date:	April 19, 2004
Design Engineer:	Gregory A. Mischel
Owner/Client:	Leslie McVickar, US EPA

Reason for Design Change:

In a letter from NL Construction Inc. dated April 13, 2004, the Subcontractor identified an inconsistency between the specification requirement for demonstrating a stabilized sludge unconfined compressive strength of 10 psi after three days of curing and the means and methods proposed by the Subcontractor to excavate and place the stabilized sludge. In order to meet the project schedule the Subcontractor will excavate and place between 2,500 and 3,000 cubic yards of stabilized sludge per day. Due to space limitations in the footprint of the landfill and the very aggressive project schedule, the Subcontractor may have difficulty in placing and obtaining test results for any particular lift before placing additional material over the lift in question. The concern is the ability of the Subcontractor to access stabilized sludge for re-stabilization in the event that a lift fails the performance criteria currently identified in Specification Section 02343, Table 02343-1. The maximum time that a lift will be open for testing and re-stabilization is approximately two days at the assumed excavation rate. Therefore, this Design Change will revise the Acceptance Criteria to allow for strength testing within one day after placement of stabilized sludge in the landfill.

In addition to changing the criteria for unconfined compressive strength, this Design Change clarifies the term "maximum practicable density" of Section 02343, 3.04 (F), and adds a testing procedure and strength criteria for stabilized sludge that is granular in nature (as requested in the April 13, 2004 letter). The additional strength test is required for stabilized sludge with insufficient cohesion to allow the collection of a sample for unconfined compressive strength testing.

Basis of Original Design Criteria:

The original design criteria of 10 psi was based on constructability only and was not a requirement based on landfill stability. In particular the criteria was developed to allow placement and compaction of the material with standard construction equipment in a relatively short time frame (three days). Based on stability calculations presented in the Final Basis of Design Report dated December 2003, the required undrained shear strength for the stabilized sludge was determined to be 250 psf or 1.74 psi with a factor of safety of 1.5. This translates into an unconfined compressive strength of 500 psf or 3.48 psi, which is lower than the 10 psi criteria needed for constructability. Therefore,

lowering the criteria will not affect the stability of the landfill. In addition, bench scale testing conducted to date suggests that the stabilized sludge will continue to cure and gain strength after placement further increasing the factor of safety for stability.

Design Change:

The revised Table 02343-1 is attached and shall be used for performance evaluation and acceptance of the stabilized materials. All samples for testing shall be collected from material placed in the landfill.

Stabilized sludge that is not sufficiently cohesive to allow collection of an undisturbed sample for unconfined compression testing shall be tested in direct shear using ASTM D 3080 at a minimum frequency of one test per 5,000 tons in conjunction with the standard proctor test (ASTM D 698). The density of the test specimen for the direct shear test shall be prepared to 90 percent of the "maximum practicable density". One test shall be conducted at a normal stress of 640 psf. The shear strength shall be calculated and compared to the required value in Table 02343-1

In all cases, the stabilized sludge must have sufficient strength to support placement and compaction equipment.

Maximum Practicable Density shall be defined as:

1) 90 percent of the maximum dry density as determined by ASTM D 698 for stabilized sludge with water content up to 2 percentage points above optimum, or,
2) 90 percent of the dry density along the zero air voids line for stabilized sludge with water content over 2 percentage points above optimum.

Basis for Design Change:

The attached calculations demonstrate the landfill will be stable with a factor of safety of 1.5 assuming the new acceptance criteria are adopted.

Table 02343-1 Stabilization Confirmation Testing Program				
Parameter	**Analysis/Testing Method**	**Performance Standard**	**Frequency**	**Acceptance**
Structural Criteria				
Compaction	ASTM D 2922 and D 3017	90% of the maximum practicable density	3 per Stabilization Production Day	Average >90%, 20% of tests allowed to be as low as 87%
Strength	ASTM D 1633 or D 2166	> 4 psi	Stabilization Production Day (1)	>4 psi, Subcontractor able to compact
	ASTM D 3080(2)	327 psf	One per 5,000 tons placed (total)	327 psf, Subcontractor able to compact
Free Liquids	Field Observations	No visible liquids observed	Every 250 tons	None visible

(1) = Sample shall be tested only if Subcontractor is able to drive a Shelby tube into the compacted lift and an acceptable test specimen can be extracted from the tube at the testing laboratory.

(2) = Compact sample to 90 percent of maximum practicable density and run test at 640 psf normal stress.

Design Change No. 2

Project:	Pownal Tannery Lagoon Remediation, Pownal, Vermont
Date:	September 21, 2004
Design Engineer:	Gregory A. Mischel TRC Environmental Corporation Lowell, Massachusetts
Owner/Client:	Leslie McVickar, US EPA Region 1 Boston, Massachusetts

Background:

A double-sided geocomposite was selected for the drainage layer of the consolidation landfill cap. Two conditions were evaluated during design to determine the required and ultimate transmissivity of the geocomposite on the 3H:1V side slopes and the top 5 percent top slope of the landfill. An ultimate transimissivity of 3.14×10^{-4} m^2/sec was calculated to ensure stability of the steeper 3H:1V side slopes. Because the stability of the top 5 percent slope was not a concern, the geocomposite transmissivity for the top of the landfill was based on a requirement to keep the overlying cover soil in a fully drained condition in order to ensure that the landfill surface could be maintained as a sports playing field. The ultimate transmissivity (6.0×10^{-3} m^2/sec) for the top 5 percent slope of the landfill was used as the specification requirement. The specified transmissivity was therefore very conservative with regards to landfill cap stability.

The Subcontractor selected a high flow geocomposite (Tenax Tenflow 70-2) for use as the drainage layer. The geocomposite is specifically designed to provide subsurface drainage for structures such as landfill caps. Manufacturers quality control testing indicated the transmissivity of the material would meet the specification requirement. Samples of the delivered geocomposite were collected by the QA Engineer and tested in the QA laboratory for conformance. The transmissivity of the sample representing rolls 0406150 through 0406189 did not meet the specified value of 6.0×10^{-3} m^2/sec.

Reason for Design Change:

Because the specified transmissivity was conservative with regards to stability (the main concern), use of the non-conforming material was considered. Factors used in the evaluation included the location of the non-conforming material, landfill cap stability, current EPA Region 1 guidance, and possible consequences of use.

Since all of the conforming geocomposite had already been placed on the north end of the landfill, only the east end of the landfill was available for placement of the non-

conforming material. The east end of the landfill is characterized by the largest area of 5 percent slope and the shortest 3H:1V slope. Note that the slope of the extreme eastern end of the landfill is considerably less steep than the 3H:1V shown on the design drawings. Therefore instability on the 3H:1V is less likely, and saturation of the top flat portion of the cap is more likely. Based on the design calculations, the ultimate transmissivity for the maximum 3H:1V slope length is 3.14×10^{-4} m^2/sec. Therefore use of the non-conforming geocomposite with a measured transmissivity of 5.7×10^{-3} m^2/sec would not compromise the stability of the cap.

The EPA in the 1997 Alternative Cap Design Guidance for Unlined, Hazardous Waste Landfills in the EPA Region 1 (Gagne and Choi, 1997) recommended a required transmissivity of 3×10^{-4} m^2/sec for geocomposite drainage layers on landfill caps. The 1997 guidance was subsequently clarified by a June 9, 1998 Memo by Gagne and Choi to include a minimum ultimate transmissivity value of 1.62×10^{-3} m^2/sec to account for factors that affect the long term performance. The measured transmissivity of 5.7×10^{-3} m^2/sec is greater than the 1.62×10^{-3} m^2/sec value recommended by EPA.

The only consequence of using the non-conforming geocomposite was the possible impact to the maintenance (grass cutting) of the landfill cap due to the saturation of the top flat surface of the landfill. The saturation would most likely occur after rain events in the spring months following the winter thaw. The geocomposite would continue to drain the cover soils after the end of the precipitation resulting in transient events of short duration. Normal operation and maintenance (grass cutting) is generally performed in the summer months and will not likely be affected by the saturated cap surface. Use of the top flat surface as a playing field may be limited in the spring months. Based on this evaluation, there are no lasting consequences of using the non-conforming material that could impact the intended function or stability of the cap. Therefore, the non-conforming geocomposite represented by rolls 0406150 through 0406189 is approved for use on the landfill cap at the east end of the landfill.

DAILY REPORT
AMBIENT AIR MONITORING
POWNAL TANNERY SITE

Date: **Monday, April 12, 2004**

	H_2S Ambient Concentration											
	HS1			HS2[1]			HS3[2]			HS4[3]		
	Low	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Avg
	ppm			ppm			ppm			ppm		
1st event	0.003	0.011	0.005	0.002	0.004	0.003	0.003	0.006	0.003	-	-	0.003
2nd event	0.005	0.009	0.006	0.003	0.004	0.004	-	-	0.003	-	-	0.003
3rd event	0.005	0.007	0.006	0.004	0.004	0.004	-	-	0.004	-	-	0.004
4th event	0.007	0.008	0.008	-	-	0.005	-	-	-	-	-	0.010
Daily Avg	**0.006**			**0.004**			**0.003**			**0.005**		

	VOC Ambient Concentration											
	V1			V2			V3			V4		
	Low	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Avg
	ppm			ppm			ppm			ppm		
1st event	0.000	0.013	0.000	0.000	0.003	0.000	0.000	0.139	0.042	0.000	0.265	0.048
2nd event	0.000	0.030	0.004	0.000	0.012	0.000	0.000	0.142	0.040	0.000	0.000	0.000
3rd event	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.157	0.040	0.000	0.273	0.060
4th event	0.000	0.016	0.000	0.000	0.018	0.000	0.000	0.144	0.042	0.000	0.240	0.048
Daily Avg	**0.001**			**0.000**			**0.041**			**0.039**		

	Particulate Ambient Concentration			
	DR1	DR2	DR3	DR4
	$\mu g/m^3$			
1st 30 min. TWA	40.7	25.6	18.8	34.1
2nd 30 min. TWA	49.9	32.1	30.6	49.9
3rd 30 min. TWA	29.5	20.7	18.4	32.7
4th 30 min. TWA	18.9	12.1	11.5	15.7
5th 30 min. TWA	14.7	10.3	8.1	11.3
6th 30 min. TWA	13.4	9.4	8.1	18.2
7th 30 min. TWA	13.5	8.8	7.6	21.3
8th 30 min. TWA	12.6	7.8	6.7	22.1
9th 30 min. TWA	11.4	7.2	6.3	12.5
10th 30 min. TWA	11.1	7.0	5.8	9.3
11th 30 min. TWA	11.6	6.7	5.0	9.8
12th 30 min. TWA	11.0	6.3	5.1	10.7
13th 30 min. TWA	11.5	6.0	4.8	14.2
14th 30 min. TWA	10.9	6.1	4.7	11.9
15th 30 min. TWA	10.4	5.8	5.1	13.8
16th 30 min. TWA	10.5	6.4	5.4	10.1
17th 30 min. TWA	11.0	6.8	6.0	14.3
18th 30 min. TWA	11.4	6.6	5.3	7.9
Daily Average	**16.9**	**10.7**	**9.1**	**17.8**

[1] Events 1, 2, and 3 are recorded from the datalogger. Event 4 was recorded from the field record.

[2] Event 1 was recorded from the datalogger. Event 2 and 3 were recorded from the field record. Event 4 did not record due to sensor saturation.

[3] Events 1, 2, 3, and 4 were recorded from the field record.

DAILY REPORT
AMBIENT AIR MONITORING
POWNAL TANNERY SITE

Date: **Tuesday, April 13, 2004**

	H_2S Ambient Concentration											
	HS1[1]			**HS2[1]**			**HS3[2]**			**HS4[1]**		
	Low	**High**	**Avg**	**Low**	**High**	**Avg**	**Low**	**High**	**Avg**	**Low**	**High**	**Avg**
	ppm			**ppm**			**ppm**			**ppm**		
1st event	0.000	0.013	0.008	0.004	0.005	0.005	0.003	0.006	0.005	0.003	0.005	0.004
2nd event	0.007	0.036	0.013	0.004	0.006	0.005	-	-	-	0.004	0.005	0.005
3rd event	-	-	-	-	-	-	-	-	-	-	-	-
4th event	-	-	-	-	-	-	-	-	-	-	-	-
Daily Avg	**0.011**			**0.005**			**0.005**			**0.005**		

	VOC Ambient Concentration											
	V1[1]			**V2[1]**			**V3[1]**			**V4[1]**		
	Low	**High**	**Avg**	**Low**	**High**	**Avg**	**Low**	**High**	**Avg**	**Low**	**High**	**Avg**
	ppm			**ppm**			**ppm**			**ppm**		
1st event	0.000	0.270	0.014	0.000	0.000	0.000	0.000	0.104	0.012	0.000	0.270	0.056
2nd event	0.000	0.092	0.014	0.000	0.000	0.000	0.000	0.119	0.019	0.000	0.246	0.056
3rd event	-	-	-	-	-	-	-	-	-	-	-	-
4th event	-	-	-	-	-	-	-	-	-	-	-	-
Daily Avg	**0.014**			**0.000**			**0.016**			**0.056**		

	Particulate Ambient Concentration			
	DR1	**DR2**	**DR3**	**DR4**
	µg/m3			
1st 30 min. TWA	15.6	0.1	0.2	0.2
2nd 30 min. TWA	13.2	0.0	0.2	0.0
3rd 30 min. TWA	25.3	0.0	0.7	0.0
4th 30 min. TWA	22.9	0.1	0.6	0.0
5th 30 min. TWA	18.2	0.2	0.8	0.0
6th 30 min. TWA	19.1	0.3	0.9	0.0
7th 30 min. TWA	1.6	0.4	0.9	0.0
8th 30 min. TWA	8.0	0.7	1.0	0.0
9th 30 min. TWA	27.0	0.4	0.9	0.0
10th 30 min. TWA	25.2	0.5	0.9	0.0
11th 30 min. TWA	28.6	0.9	0.9	0.0
12th 30 min. TWA	11.5	1.2	-	0.0
13th 30 min. TWA	2.0	2.3	-	-
14th 30 min. TWA	-	-	-	-
15th 30 min. TWA	-	-	-	-
16th 30 min. TWA	-	-	-	-
Daily Average	**16.8**	**0.5**	**0.7**	**0.0**

[1] Sampling was discontinued after Event 2 due to rain.

[2] Equipment was not operating properly for Event 2. Sampling was discontinued after Event 2 due to rain.

DAILY REPORT
AMBIENT AIR MONITORING
POWNAL TANNERY SITE

Date: **Wednesday, April 14, 2004**

	H_2S Ambient Concentration											
	HS1[1]			HS2[1]			HS3[1]			HS4[1]		
	Low	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Avg
	ppm			ppm			ppm			ppm		
1st event	0.000	0.010	0.003	0.000	0.002	0.001	0.000	0.002	0.000	0.000	0.008	0.003
2nd event	0.000	0.005	0.003	0.000	0.002	0.002	0.000	0.003	0.000	0.000	0.006	0.002
3rd event	-	-	-	-	-	-	-	-	-	-	-	-
4th event	-	-	-	-	-	-	-	-	-	-	-	-
Daily Avg	**0.003**			**0.002**			**0.000**			**0.002**		

	VOC Ambient Concentration											
	V1[1]			V2[1]			V3[1]			V4[1]		
	Low	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Avg
	ppm			ppm			ppm			ppm		
1st event	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.158	0.035	0.000	0.065	0.265
2nd event	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.127	0.021	0.000	0.000	0.000
3rd event	-	-	-	-	-	-	-	-	-	-	-	-
4th event	-	-	-	-	-	-	-	-	-	-	-	-
Daily Avg	**0.000**			**0.000**			**0.028**			**0.133**		

	Particulate Ambient Concentration			
	DR1	DR2	DR3	DR4
	µg/m3			
1st 30 min. TWA	4.3	1.2	1.6	2.7
2nd 30 min. TWA	3.2	1.2	2.0	7.2
3rd 30 min. TWA	3.4	2.4	2.2	7.3
4th 30 min. TWA	4.5	4.2	3.1	11.8
5th 30 min. TWA	4.4	3.2	2.3	11.5
6th 30 min. TWA	6.6	6.1	5.2	16.3
7th 30 min. TWA	10.6	11.2	7.6	20.6
8th 30 min. TWA	11.7	13.5	7.6	23.0
9th 30 min. TWA	10.0	11.4	6.5	13.4
10th 30 min. TWA	6.9	7.3	4.3	11.3
11th 30 min. TWA	5.4	5.5	3.7	13.2
12th 30 min. TWA	5.2	5.6	4.3	8.3
13th 30 min. TWA	5.7	6.9	4.8	9.5
14th 30 min. TWA	7.0	8.6	6.0	11.0
15th 30 min. TWA	25.9	9.7	6.9	12.4
16th 30 min. TWA	8.7	10.1	6.9	13.2
17th 30 min. TWA	9.5	10.6	7.3	14.1
18th 30 min. TWA	10.7	11.4	8.4	14.4
19th 30 min. TWA	10.7	10.6	8.9	-
Daily Average	**8.1**	**7.4**	**5.2**	**12.3**

[1] Sampling events 3 and 4 were not performed due to rain.

DAILY REPORT
AMBIENT AIR MONITORING
POWNAL TANNERY SITE

Date: **Thursday, April 15, 2004**

	H2S Ambient Concentration											
	HS1			HS2			HS3			HS4		
	Low	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Avg
	ppm			ppm			ppm			ppm		
1st event	0.002	0.009	0.005	0.003	0.005	0.004	0.000	0.004	0.002	0.004	0.008	0.005
2nd event	0.006	0.008	0.007	0.004	0.006	0.004	0.003	0.004	0.004	0.005	0.008	0.006
3rd event	0.006	0.012	0.007	0.004	0.008	0.006	0.003	0.005	0.004	0.005	0.028	0.008
4th event	0.007	0.011	0.008	0.005	0.007	0.007	0.004	0.007	0.005	0.007	0.028	0.008
Daily Avg	**0.007**			**0.005**			**0.004**			**0.007**		

	VOC Ambient Concentration											
	V1			V2			V3			V4		
	Low	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Avg
	ppm			ppm			ppm			ppm		
1st event	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.099	0.010	0.000	0.297	0.076
2nd event	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.103	0.011	0.000	0.000	0.000
3rd event	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.116	0.010	0.000	0.438	0.080
4th event	0.000	0.000	0.000	0.000	0.039	0.032	0.000	0.073	0.004	0.000	2.107	0.088
Daily Avg	**0.000**			**0.008**			**0.009**			**0.061**		

	Particulate Ambient Concentration			
	DR1	DR2[1]	DR3	DR4
	µg/m3			
1st 30 min. TWA	8.8	1.4	3.9	2.2
2nd 30 min. TWA	8.8	1.4	4.7	6.3
3rd 30 min. TWA	9.3	1.3	5.8	5.4
4th 30 min. TWA	10.0	1.8	7.4	14.9
5th 30 min. TWA	10.6	2.2	7.9	15.0
6th 30 min. TWA	10.2	1.1	7.5	12.9
7th 30 min. TWA	9.1	0.1	6.4	12.9
8th 30 min. TWA	6.7	0.0	3.6	10.2
9th 30 min. TWA	6.1	0.0	2.6	9.3
10th 30 min. TWA	4.9	0.0	1.4	10.1
11th 30 min. TWA	4.6	0.0	0.8	7.0
12th 30 min. TWA	4.3	0.0	0.6	12.3
13th 30 min. TWA	4.9	0.0	0.6	18.7
14th 30 min. TWA	4.6	0.0	0.1	10.0
15th 30 min. TWA	4.2	0.0	0.2	10.2
16th 30 min. TWA	4.8	0.0	0.5	10.0
17th 30 min. TWA	4.3	0.0	0.4	9.6
18th 30 min. TWA	5.0	0.0	0.7	4.8
19th 30 min. TWA	-	-	-	-
Daily Average	**6.7**	**0.5**	**3.1**	**10.1**

[1] Monitor was reading low relative to the other monitors. Monitor was recalibrated the next morning.

DAILY REPORT
AMBIENT AIR MONITORING
POWNAL TANNERY SITE

Date: **Friday, April 16, 2004**

	H_2S Ambient Concentration											
	HS1			HS2			HS3[1]			HS4[2]		
	Low	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Avg
	ppm			ppm			ppm			ppm		
1st event	0.006	0.011	0.009	0.006	0.008	0.007	0.003	0.024	0.011	0.006	0.032	0.010
2nd event	0.009	0.011	0.010	0.007	0.008	0.008	0.005	0.016	0.007	0.007	0.015	0.009
3rd event	0.008	0.024	0.010	0.008	0.009	0.008	0.006	0.010	0.007	0.007	0.130	0.018
4th event	0.007	0.010	0.009	0.008	0.009	0.009	0.006	0.008	0.007	0.010	0.170	0.043
Daily Avg	**0.009**			**0.008**			**0.008**			**0.020**		

	VOC Ambient Concentration											
	V1[3]			V2[3]			V3			V4		
	Low	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Avg
	ppm			ppm			ppm			ppm		
1st event	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.002	0.000	0.092	0.000
2nd event	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.067	0.003	0.000	0.172	0.026
3rd event	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.061	0.028	0.000	0.358	0.077
4th event	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.618	0.012	0.000	0.265	0.030
Daily Avg	**0.000**			**0.000**			**0.011**			**0.033**		

	Particulate Ambient Concentration			
	DR1	DR2	DR3[4]	DR4[4]
	$\mu g/m^3$			
1st 30 min. TWA	8.3	4.3	12.8	9.2
2nd 30 min. TWA	10.7	4.0	16.9	2.5
3rd 30 min. TWA	6.6	3.8	8.4	8.4
4th 30 min. TWA	6.4	3.6	25.7	3.4
5th 30 min. TWA	6.4	3.6	31.9	45.3
6th 30 min. TWA	6.0	3.2	24.6	27.9
7th 30 min. TWA	5.9	2.6	24.8	6.1
8th 30 min. TWA	5.5	2.5	41.1	8.4
9th 30 min. TWA	5.4	2.0	54.5	76.9
10th 30 min. TWA	5.8	2.2	63.0	37.9
11th 30 min. TWA	6.1	2.8	69.2	65.9
12th 30 min. TWA	6.5	2.0	58.6	45.3
13th 30 min. TWA	7.6	2.6	71.6	32.1
14th 30 min. TWA	7.9	3.2	73.7	38.5
15th 30 min. TWA	7.7	7.7	49.3	24.7
16th 30 min. TWA	7.4	4.3	19.3	15.7
17th 30 min. TWA	7.8	2.3	45.1	7.0
18th 30 min. TWA	7.4	2.6	28.2	2.4
19th 30 min. TWA	-	-	-	1.6
Daily Average	**7.0**	**3.3**	**39.9**	**24.2**

[1] The sampling period for HS3 did not coincide with the period for Units 1, 2 and 4. The HS3 monitor required a regeneration of the sensor.

[2] The value greater than 0.1 for event 3 lasted for 1 minute at 12:34 pm. The values greater than 0.1 for event 4 lasted for 4 minutes from 3:29-3:32 pm.

[3] The low values reported for units V1 and V2 may be related to a faulty zero air carbon filter. The carbon filter was replaced. The VOC monitors will be zeroed using a zero gas beginning 4/20/04.

DAILY REPORT
AMBIENT AIR MONITORING
POWNAL TANNERY SITE

[4] Apparent exceedances of the reporting level occurred at DR3 between 12 pm and 2:30 pm and at DR4 between 11:30 am and 1:00 pm. Shake-down activities in which material amended with cement in the dry. Dust controls implemented and dust levels reduced as shown in following sampling events

SAMPLING SUMMARY REPORT
POWNAL TANNERY SITE

Date: **Monday, April 19, 2004**

1) Exceedances:
There was one exceedance of the particulate 15-minute standard at monitor location DR4 at 9 AM. Water trucks were used on site for dust suppression.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturers spec.
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer spec
H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturers spec

4) Meteorological Data 7 AM - 7 PM:
Average daily temperature: 79.7°F
Average wind speed: 4.7 MPH
Predominant wind direction: SSW

5) Site Activity:
Start Time: 1245
Stop Time: 1610
Description: Moved Fence, Mixed One Lagoon Cell. Road Construction.

6) Other:
(a) Monitoring for VOC & H2S was initated at 10 AM. Prior to 10 AM, work on the site was not intrusive and consisted of moving fences, setting up pumps and hoses, moving of hood and one cell was mixed.
(b) Sampling at two downwind H2S monitors was curtailed prior to the end of the work day as a result of complete discharge of the instrument battery. Please note that the power supply for the H2S monitors will be reconfigured by 4/23/04 to provide 10-12 hours of uninterrupted operation.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, April 19, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
10:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.000	0.074	0.0056
10:15	0.000 (b)	0.019 (b)	0.003 (b)	0.000 (b)	0.013 (b)	0.000 (b)	(a)	(a)	(a)	0.000 (b)	0.066 (b)	0.005 (b)
10:30	0.000	0.023	0.002	0.000	0.031	0.001	0.000 (b)	0.051 (b)	0.002 (b)	0.000	0.072	0.005
10:45	0.000	0.057	0.004	0.000	0.015	0.000	0.000	0.036	0.002	0.000	0.081	0.007
11:00	0.000	0.048	0.002	0.000	0.037	0.003	0.000	0.050	0.002	0.000	0.097	0.009
11:15	0.000	0.154	0.009	0.000	0.028	0.001	0.000	0.033	0.002	0.000	0.144	0.011
11:30	0.000	0.111	0.003	0.000	0.003	0.000	0.000	0.037	0.002	0.000	0.144	0.014
11:45	0.000	0.053	0.005	0.000	0.053	0.012	0.000	0.054	0.002	0.000	0.172	0.006
12:00	0.000	0.045	0.003	0.000	0.096	0.009	0.000	0.077	0.002	0.000	0.078	0.021
12:15	0.000	0.018	0.000	0.001	0.042	0.019	0.000	0.058	0.002	0.003	0.036	0.017
12:30	0.000	0.046	0.003	0.000	0.031	0.005	0.000	0.038	0.001	0.001	0.081	0.027
12:45	0.000	0.110	0.004	0.000	0.034	0.003	0.000	0.033	0.002	0.000	0.044	0.018
13:00	0.000	0.042	0.002	0.000	0.013	0.001	0.000	0.033	0.002	0.000	0.046	0.029
13:15	0.000	0.029	0.000	0.000	0.026	0.002	0.000	0.083	0.002	0.023	0.060	0.043
13:30	0.000	0.002	0.000	0.000	0.032	0.004	0.000	0.095	0.005	0.020	0.231	0.048
13:45	0.000	0.000	0.000	0.000	0.029	0.007	0.000	0.100	0.005	0.000	0.150	0.026
14:00	0.000	0.000	0.000	0.000	0.046	0.006	0.000	0.064	0.004	0.000	0.220	0.007
14:15	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.120	0.004	0.000	0.061	0.014
14:30	0.000	0.000	0.000	0.000	0.032	0.000	0.000	0.053	0.003	0.000	0.066	0.017
14:45	0.000	0.008	0.000	0.000	0.030	0.000	0.000	0.030	0.001	0.000	0.031	0.009
15:00	0.000	0.001	0.000	0.000	0.002	0.000	0.000	0.054	0.003	0.000	0.050	0.005
15:15	0.000	0.000	0.000	0.000	0.016	0.000	0.000	0.042	0.003	0.000	0.017	0.003
15:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.044	0.002	0.000	0.107	0.012
15:45	0.000	0.029	0.000	0.000	0.000	0.000	0.000	0.030	0.001	0.000	0.214	0.022
16:00	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.058	0.001	0.000	0.139	0.009
16:15	0.000	0.025	0.000	0.000	0.000	0.000	0.000	0.039	0.002	0.000	0.103	0.002
16:30	0.000	0.019	0.002	0.000	0.012	0.000	0.000	0.041	0.002	0.000	0.180	0.010
16:45	0.000 (b)	0.000 (b)	0.000 (b)	0.000 (b)	0.000 (b)	0.000 (b)	0.000 (b)	0.036 (b)	0.002 (b)	(c)	(c)	(c)
Daily Average	**0.002**			**0.003**			**0.002**			**0.016**		
Sampler Start Time	9:56 AM			10:02 AM			10:17			9:45 AM		
Sampler End Time	16:34 PM			16:35 PM			16:41 PM			16:30 PM		

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
Daily average is an average of the 1-minute logged data

(a) Monitoring for VOC was initated at 10 AM. Prior to 10 AM, work on the site was not intrusive and consisted of moving fences.

(b) Sampling data for this event may be based on less than 15 minutes of data due to startup or shutdown of the equipment during the time period.

(c) Monitoring for VOC ended before this point for the day.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, April 19, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
10:00	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		0.003(c)	0.005(c)	0.005(c)	
10:15	0.008(c)	0.013(c)	0.010(c)		0.005(c)	0.012(c)	0.009(c)		(a)	(a)	(a)		0.005	0.006	0.005	
10:30	0.009	0.014	0.010		0.000	0.010	0.006		0.003(c)	0.006(c)	0.005(c)		0.005	0.007	0.006	
10:45	0.009	0.012	0.010		0.003	0.009	0.008		0.005	0.007	0.006		0.005	0.006	0.006	
11:00	0.010	0.014	0.011	0.010(c)	0.001	0.011	0.007	0.007(c)	0.006	0.007	0.006	0.006(c)	0.006	0.007	0.006	0.006
11:15	0.010	0.015	0.011		0.004	0.010	0.007		0.005	0.008	0.007		0.006	0.009	0.007	
11:30	0.008	0.013	0.010		0.000	0.011	0.007		0.006	0.010	0.007		0.005	0.007	0.006	
11:45	0.009	0.011	0.010		0.007	0.011	0.008		0.006	0.009	0.007		0.005	0.009	0.007	
12:00	0.009	0.013	0.010	0.010	0.000	0.009	0.006	0.007	0.003	0.008	0.006	0.007	0.006	0.011	0.007	0.007
12:15	0.008	0.010	0.010		0.007	0.009	0.008		0.004	0.007	0.006		0.005	0.009	0.007	
12:30	0.008	0.010	0.009		0.007	0.009	0.008		0.005	0.007	0.006		0.006	0.011	0.007	
12:45	0.008	0.011	0.009		0.004	0.014	0.008		0.006	0.007	0.006		0.006	0.011	0.008	
13:00	0.008	0.010	0.009	0.009	0.004	0.009	0.008	0.008	0.006	0.007	0.006	0.006	0.003	0.010	0.007	0.007
13:15	0.008	0.009	0.009		0.003	0.008	0.006		0.000	0.007	0.006		0.005	0.011	0.006	
13:30	0.008	0.013	0.009		0.000	0.009	0.006		0.006	0.007	0.006		0.006	0.011	0.007	
13:45	0.007	0.009	0.008		0.005	0.010	0.008		0.000	0.009	0.006		0.007	0.021	0.009	
14:00	0.007	0.010	0.008	0.008	0.000	0.010	0.007	0.007	0.005	0.008	0.006	0.006	0.007	0.015	0.009	0.008
14:15	0.008	0.012	0.009		0.003(c)	0.010(c)	0.007(c)		0.004	0.007	0.006		0.006	0.012	0.008	
14:30	0.008	0.010	0.009		(b)	(b)	(b)		0.006	0.008	0.007		0.007	0.013	0.008	
14:45	0.008	0.011	0.009		(b)	(b)	(b)		0.006	0.007	0.007		0.006	0.009	0.007	
15:00	(b)	(b)	(b)	0.009(c)	(b)	(b)	(b)	0.007(c)	0.006	0.007	0.006	0.007	0.006	0.010	0.008	0.008
15:15	(b)	(b)	(b)		(b)	(b)	(b)		0.006	0.007	0.007		0.006	0.009	0.007	
15:30	(b)	(b)	(b)		(b)	(b)	(b)		0.006	0.008	0.007		0.007	0.009	0.007	
15:45	(b)	(b)	(b)		(b)	(b)	(b)		0.006	0.010	0.007		0.006	0.013	0.008	
16:00	(b)	(b)	(b)		(b)	(b)	(b)		0.006	0.010	0.007	0.007	0.008	0.015	0.009	0.008
16:15	(b)	(b)	(b)		(b)	(b)	(b)		0.006	0.007	0.007		0.007	0.014	0.009	
16:30	(b)	(b)	(b)		(b)	(b)	(b)		0.005	0.007	0.007		0.007	0.013	0.009	
16:45	(b)	(b)	(b)		(b)	(b)	(b)		0.006	0.007	0.007		0.007	0.012	0.008	
Daily Average	**0.009**				**0.007**				**0.006**				**0.007**			
Sampler Start Time	10:01 AM				10:08 AM				10:16 AM				9:51 AM			
Sampler End Time	14:46 PM				14:18 PM				16:44 PM				16:52 PM			

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

1-hour TWA is calculated as an average of the 4 15-minute TWAs within the hour

Daily average is an average of the 1-minute logged data

(a) Monitoring for hydrogen sulfide initiated after this point for the day.

(b) Sampling at this monitor was curtailed prior to the end of the work day as a result of complete discharge of the instrument battery. Please note that the power supply for the H2S monitors will be reconfigured by 4/23/04 to provide 10-12 hours of uninterrupted operation.

(c) Sampling data for this event may be based on less than 15 minutes or 1 hour of data due to startup or shutdown of the equipment during the time period.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, April 19, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
7:30	42.5 (a)	3.9 (a)	(b)	31.0 (a)
8:00	44.7	20.9	0.0	39.3
8:30	42.3	20.4	0.0	52.8
9:00	42.5	22.9	0.0	56.0
9:30	42.6	17.9	0.0	47.8
10:00	38.0	4.8	0.0	31.2
10:30	26.9	2.9	0.0	27.4
11:00	23.0	1.2	0.0	22.9
11:30	26.1	0.7	0.0	17.7
12:00	20.7	1.4	0.0	21.7
12:30	17.8	0.1	0.0	11.7
13:00	25.0	1.2	0.0	3.8
13:30	26.3	0.2	0.0	1.4
14:00	18.7	0.8	0.0	1.5
14:30	27.5	3.4	0.0	0.1
15:00	22.2	1.2	0.0	0.0
15:30	19.9	2.2	0.0	0.1
16:00	19.5	0.1	0.0	0.1
16:30	16.1	0.0	0.0	0.1
17:00	14.9 (a)	0.0 (a)	0.0 (a)	0.4 (a)
Daily Average	**27.9**	**5.6**	**0.0**	**18.0**
Sampler Start Time	7:20 AM	7:22 AM	7:28 AM	7:26 AM
Sampler End Time	16:36 PM	16:41 PM	16:46 PM	16:52 PM

30-minute TWA is calculated as an average of the 1-minute logged data
Daily average is an average of the 1-minute logged data
(a) Sampling data for the first and last events may be based on less than 30 minutes of data due to startup or shutdown of the equipment during the time period.
(b) Monitoring for particulate initiated after this point for the day.

SAMPLING SUMMARY REPORT
POWNAL TANNERY SITE

Date: **Tuesday, April 20, 2004**

1) Exceedances:
No exceedances of the action limits were recorded.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturers spec
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer spec
H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacurer spec

4) Meteorological Data 7 AM - 7 PM:
Average daily temperature: 57.4°F
Average wind speed: 3.8 MPH
Predominant wind directions: NE

5) Site Activity:

Start Time:	945
Stop Time:	1745
Description:	Mixed 4 half cells (0-4.5-feet depth)

6) Other:
(a) Sampling at the upwind and two downwind H2S monitors was curtailed prior to the end of the work day as a result of complete discharge of the instrument battery.
(b) A downwind VOC monitor V4 operated for the entire day but did not datalog between 6:50 AM and 3:00 PM. The site sampling technician inspected the instrument several times during the day and the instrument displayed reasonable values, but when it was downloaded at the end of the day data had not been logged for the entire monitoring period. The instrument was reprogrammed and resumed working correctly.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, April 20, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:45	0.000 (a)	0.003 (a)	0.000 (a)	0.000 (a)	0.001 (a)	0.000 (a)	(b)	(b)	(b)	(b)	(b)	(b)
7:00	0.000	0.009	0.000	0.000	0.000	0.000	0.000 (a)	0.164 (a)	0.017(a)	(e)	(e)	(e)
7:15	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.125	0.025	(e)	(e)	(e)
7:30	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.149	0.032	(e)	(e)	(e)
7:45	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.166	0.035	(e)	(e)	(e)
8:00	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.109	0.030	(e)	(e)	(e)
8:15	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.135	0.030	(e)	(e)	(e)
8:30	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.150	0.030	(e)	(e)	(e)
8:45	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.123	0.029	(e)	(e)	(e)
9:00	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.118	0.029	(e)	(e)	(e)
9:15	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.127	0.028	(e)	(e)	(e)
9:30	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.118	0.028	(e)	(e)	(e)
9:45	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.118	0.031	(e)	(e)	(e)
10:00	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.114	0.027	(e)	(e)	(e)
10:15	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.116	0.028	(e)	(e)	(e)
10:30	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.140	0.029	(e)	(e)	(e)
10:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.125	0.026	(e)	(e)	(e)
11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.121	0.027	(e)	(e)	(e)
11:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.135	0.028	(e)	(e)	(e)
11:30	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.120	0.027	(e)	(e)	(e)
11:45	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.132	0.025	(e)	(e)	(e)
12:00	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.131	0.026	(e)	(e)	(e)
12:15	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.117	0.024	(e)	(e)	(e)
12:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.112	0.022	(e)	(e)	(e)
12:45	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.108	0.020	(e)	(e)	(e)
13:00	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.106	0.018	(e)	(e)	(e)
13:15	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.078	0.017	(e)	(e)	(e)
13:30	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.083	0.016	(e)	(e)	(e)
13:45	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.105	0.017	(e)	(e)	(e)
14:00	0.000	0.003	0.000	0.000	0.102	0.000	0.000	0.096	0.015	(e)	(e)	(e)
14:15	0.000	0.002	0.000	0.000	0.026	0.000	0.000	0.077	0.015	(e)	(e)	(e)
14:30	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.078	0.014	(e)	(e)	(e)
14:45	0.000	0.000	0.000	0.000	0.039	0.003	0.000	0.073	0.016	(e)	(e)	(e)
15:00	0.000	0.002	0.000	0.000	0.004	0.000	0.000	0.083	0.013	0.000 (a)	0.190 (a)	0.040 (a)
15:15	0.000	0.000	0.000	0.000	0.013	0.000	0.000	0.088	0.016	0.000	0.141	0.034

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, April 20, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
15:30	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.086	0.015	0.000	0.145	0.033
15:45	0.000	0.004	0.000	0.000	0.008	0.000	0.000	0.080	0.015	0.000	0.196	0.039
16:00	(c)	(c)	(c)	0.000	0.006	0.000	0.000	0.095	0.014	0.000	0.120	0.034
16:15	0.000	0.000	0.000	0.000	0.016	0.000	0.000	0.092	0.015	0.000	0.140	0.033
16:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.117	0.015	0.000	0.091	0.032
16:45	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.095	0.015	0.000	0.100	0.032
17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.101	0.015	0.000	0.081	0.030
17:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.109	0.013	0.000	0.082	0.033
17:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.074	0.014	0.000	0.127	0.039
17:45	0.000	0.021	0.000	0.000	0.000	0.000	0.000 (a)	0.080 (a)	0.018 (a)	0.001 (a)	0.078 (a)	0.034 (a)
18:00	(d)	(d)	(d)	0.000 (a)	0.000 (a)	0.000 (a)	(d)	(d)	(d)	(d)	(d)	(d)
Daily Average	**0.000**			**0.000**			**0.022**			**0.034**		
Sampler Start Time	6:42 AM			6:42 AM			6:47 AM			6:50 AM (e)		
Sampler End Time	17:45 PM			17:46 PM			17:32 PM			17:37 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

(a) Sampling data for this event may be based on less than 15 minutes of data due to startup or shutdown of the equipment during the time period.

(b) Monitoring for VOC initiated after this point for the day.

(c) Sampling was interrupted due to battery replacement.

(d) Monitoring for VOC ended before this point for the day.

(e) Instrument displayed values and operated all day but did not datalog for this period.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, April 20, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
7:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:45	0.003	0.003	0.003		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
8:00	0.003	0.005	0.004	0.004(c)	0.002(c)	0.004(c)	0.003(c)	0.003(c)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
8:15	0.004	0.005	0.005		0.003	0.004	0.004		0.001(c)	0.004(c)	0.003(c)		0.003(c)	0.005(c)	0.004(c)	
8:30	0.005	0.006	0.005		0.004	0.004	0.004		0.003	0.004	0.004		0.003	0.011	0.006	
8:45	0.005	0.007	0.005		0.004	0.005	0.004		0.003	0.004	0.004		0.005	0.011	0.007	
9:00	0.005	0.007	0.006	0.005	0.004	0.006	0.005	0.004	0.004	0.004	0.004	0.004(c)	0.005	0.009	0.006	0.006(c)
9:15	0.005	0.007	0.006		0.004	0.005	0.004		0.004	0.005	0.004		0.005	0.009	0.006	
9:30	0.005	0.008	0.007		0.004	0.006	0.005		0.004	0.006	0.005		0.005	0.008	0.006	
9:45	0.006	0.009	0.008		0.004	0.006	0.005		(d)	(d)	(d)		0.005	0.009	0.006	
10:00	0.005	0.017	0.007	0.007	0.004	0.005	0.004	0.005	(d)	(d)	(d)	0.004(c)	0.005	0.013	0.007	0.006
10:15	0.006	0.007	0.007		0.004	0.005	0.004		(d)	(d)	(d)		0.004	0.010	0.007	
10:30	0.006	0.008	0.007		0.004	0.006	0.005		0.004	0.006	0.005		0.005	0.010	0.006	
10:45	0.006	0.007	0.007		0.004	0.006	0.005		0.004	0.006	0.004		0.005	0.007	0.006	
11:00	0.006	0.008	0.007	0.007	0.004	0.006	0.005	0.005	0.004	0.007	0.005	0.005(c)	0.005	0.009	0.007	0.007
11:15	0.006	0.008	0.007		0.005	0.006	0.005		0.004	0.007	0.005		0.005	0.009	0.007	
11:30	0.006	0.008	0.007		0.004	0.006	0.005		0.004	0.006	0.005		0.005	0.008	0.007	
11:45	0.006	0.007	0.007		0.004	0.006	0.005		0.004	0.008	0.005		0.006	0.009	0.007	
12:00	0.006	0.007	0.007	0.007	0.005	0.007	0.006	0.005	0.004	0.006	0.005	0.005	0.006	0.014	0.008	0.007
12:15	0.006	0.008	0.007		0.005(c)	0.006(c)	0.005(c)		0.005	0.006	0.005		0.006	0.011	0.007	
12:30	0.006(c)	0.008(c)	0.007(c)		(b)	(b)	(b)		0.005	0.006	0.005		0.007	0.025	0.012	
12:45	(b)	(b)	(b)		(b)	(b)	(b)		0.005	0.006	0.006		0.007	0.013	0.009	
13:00	(b)	(b)	(b)	0.007 (c)	(b)	(b)	(b)	0.005(c)	0.005	0.007	0.006	0.006	0.007	0.012	0.008	0.009
13:15	(b)	(b)	(b)		(b)	(b)	(b)		0.005	0.007	0.006		0.007	0.013	0.008	
13:30	(b)	(b)	(b)		(b)	(b)	(b)		0.006	0.007	0.007		0.006	0.007	0.007	
13:45	(b)	(b)	(b)		(b)	(b)	(b)		0.005	0.008	0.006		0.007	0.015	0.008	
14:00	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	0.006	0.007	0.006	0.006	0.006	0.008	0.007	0.007
14:15	(b)	(b)	(b)		(b)	(b)	(b)		0.006	0.007	0.006		(b)	(b)	(b)	
14:30	(b)	(b)	(b)		(b)	(b)	(b)		0.005	0.008	0.007		(b)	(b)	(b)	
14:45	(b)	(b)	(b)		(b)	(b)	(b)		0.006	0.007	0.006		(b)	(b)	(b)	
15:00	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	0.005	0.008	0.006	0.006	(b)	(b)	(b)	(b)
15:15	(b)	(b)	(b)		(b)	(b)	(b)		0.006	0.008	0.006		(b)	(b)	(b)	
15:30	(b)	(b)	(b)		(b)	(b)	(b)		0.005	0.008	0.007		(b)	(b)	(b)	
15:45	(b)	(b)	(b)		(b)	(b)	(b)		0.006	0.007	0.007		(b)	(b)	(b)	
16:00	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	0.006	0.006	0.006	0.006	(b)	(b)	(b)	(b)
16:15	(b)	(b)	(b)		(b)	(b)	(b)		0.005	0.009	0.006		(b)	(b)	(b)	
16:30	(b)	(b)	(b)		(b)	(b)	(b)		0.006	0.007	0.006		(b)	(b)	(b)	
16:45	(b)	(b)	(b)		(b)	(b)	(b)		0.006	0.008	0.006		(b)	(b)	(b)	
17:00	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	0.006	0.006	0.006	0.006	(b)	(b)	(b)	(b)
Daily Average	**0.006**				**0.005**				**0.005**				**0.007**			

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, April 20, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				**HS2**				**HS3**				**HS4**			
	Upwind				**Downwind**				**Downwind**				**Downwind**			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				**ppm**				**ppm**				**ppm**			
Sampler Start Time	7:45 AM				7:53 AM				8:04 AM				8:12 AM			
Sampler End Time	12:25 PM				12:03 PM				16:54 PM				14:00 PM			

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

1-hour TWA is calculated as an average of the 4 15-minute TWAs within the hour

Daily average is an average of the 1-minute logged data.

(a) Monitoring for hydrogen sulfide initiated after this point for the day.

(b) Sampling at this monitor was curtailed prior to the end of the work day as a result of complete discharge of the instrument battery. Please note that the power supply for the H2S monitors will be reconfigured by 4/23/04 to provide 10-12 hours of uninterrupted operation.

(c) Sampling data for this event may be based on less than 15 minutes or 1 hour of data due to startup or shutdown of the equipment during the time period.

(d) Sampling interrupted due to sensor saturation and regeneration of sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, April 20, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
7:00	1.2 (a)	0.2 (a)	36.7 (a)	1.4 (a)
7:30	1.2	0.0	33.6	3.0
8:00	0.5	0.0	28.2	10.0
8:30	0.3	0.0	23.3	24.6
9:00	1.2	0.4	24.1	32.5
9:30	0.4	0.1	25.0	6.0
10:00	0.5	0.1	25.0	8.8
10:30	0.6	0.0	28.0	7.2
11:00	0.8	0.0	29.3	6.8
11:30	1.1	0.1	29.7	4.1
12:00	1.5	0.2	28.0	11.9
12:30	1.8	0.2	27.5	31.8
13:00	2.0	0.1	26.8	7.1
13:30	3.5	0.0	28.1	1.9
14:00	2.4	0.2	29.9	5.3
14:30	2.5	0.1	31.6	12.9
15:00	3.4	0.3	31.7	15.1
15:30	3.4	0.1	29.4	17.0
16:00	3.3	0.6	30.5	17.9
16:30	3.5	0.5	30.7	4.1
17:00	4.4	0.1	30.2	2.2
17:30	3.1	0.4	31.0	1.7
18:00	3.2 (a)	1.0 (a)	31.9 (a)	2.4 (a)
Daily Average	**2.0**	**0.2**	**28.8**	**10.8**
Sampler Start Time	6:42 AM	6:45 AM	6:52 AM	6:52 AM
Sampler End Time	18:00 PM	17:51 PM	17:39 PM	17:38 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

(a) Sampling data for the first and last events may be based on less than 30 minutes of data due to startup or shutdown of the equipment during the time period.

(b) Monitoring for particulate initiated after this point for the day.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

SAMPLING SUMMARY REPORT
POWNAL TANNERY SITE

Date: **Wednesday, April 21, 2004**

1) Exceedances:
Downwind particulate monitor D4 exceeded the action level during 4 30 -minute periods. Field Data Sheets will be revised to record TWA and Peak Average. Monitors will be checked one (1) time per hour.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturers spec.
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturers spec
H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturers spec

4) Meteorological Data 7 AM - 7 PM:
Average daily temperature: 59.4°F
Average wind speed: 9.9 MPH
Predominant wind direction: SW

5) Site Activity:
Start Time: 800
Stop Time: 1730
Description: Mixed 2 cells (2G, 2H). Imported 1130-tons of off-site materials. Continuing to grade road

6) Other:
(a) Sampling at all the H2S monitors was curtailed prior to the end of the work day as a result of complete discharge of the instrument battery. Please note that the power supply for the H2S monitors will be reconfigured by 4/23/04 to provide 10-12 hours of uninterrupted operation.

(b) The V4 VOC monitor battery was replaced midday after it was identified by the sampling technician. There was an interruption in sampling data.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, April 21, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.000 (b)	1.679 (b)	0.060 (b)	(a)	(a)	(a)	(a)	(a)	(a)	0.000 (b)	0.214 (b)	0.025 (b)
7:15	0.000	0.000	0.000	0.000 (b)	0.000 (b)	0.000 (b)	0.000 (b)	0.000 (b)	0.000 (b)	0.000	0.093	0.015
7:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.124	0.018
7:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.113	0.024
8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.121	0.032
8:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.101	0.030
8:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.133	0.027
8:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.133	0.028
9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.121	0.023
9:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.095	0.016
9:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.077	0.014
9:45	0.000	0.103	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.093	0.014
10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.078	0.015
10:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.098	0.017
10:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.114	0.017
10:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.077	0.014
11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.067	0.010
11:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.073	0.005
11:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.000
11:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.034	0.000
12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000
12:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000
12:30	0.000	0.000	0.000	0.000	0.034	0.000	0.000	0.000	0.000	0.000	0.064	0.003
12:45	0.000	0.837	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033	0.004
13:00	0.000	0.698	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.056	0.003
13:15	0.000	2.836	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.003
13:30	0.000	2.518	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.003
13:45	0.000	0.061	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.003
14:00	0.000	0.105	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.055	0.003
14:15	0.000	0.086	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.044	0.005
14:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.054	0.004
14:45	0.000	0.133	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.055	0.004
15:00	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.043	0.002
15:15	0.000	1.252	0.006	0.000	0.000	0.000	0.000	0.000	0.000	(c)	(c)	(c)
15:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(c)	(c)	(c)

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, April 21, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(c)	(c)	(c)
16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(c)	(c)	(c)
16:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(c)	(c)	(c)
16:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(c)	(c)	(c)
16:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(c)	(c)	(c)
17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(c)	(c)	(c)
17:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(c)	(c)	(c)
17:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000 (b)	0.166 (b)	0.013 (b)
17:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.104	0.011
18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.043	0.005
18:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.045	0.004
18:30	0.000	0.000	0.000	0.000 (b)	0.000 (b)	0.000 (b)	0.000	0.000	0.000	0.000	0.046	0.006
18:45	0.000 (b)	0.000 (b)	0.000 (b)	(d)	(d)	(d)	0.000	0.000	0.000	0.000	0.024	0.002
19:00	(d)	(d)	(d)	(d)	(d)	(d)	0.000 (b)	0.000 (b)	0.000 (b)	0.000 (b)	0.018 (b)	0.001 (b)
Daily Average	**0.002**			**0.000**			**0.000**			**0.010**		
Sampler Start Time	6:59 AM			7:04 AM			7:10 AM			6:51 AM		
Sampler End Time	18:42 PM			18:22 PM			18:49 PM			18:54 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

(a) Monitoring for VOC initiated after this point for the day.

(b) Sampling data for this event may be based on less than 15 minutes of data due to startup or shutdown of the equipment during the time period.

(c) Sampling was interrupted due to battery replacement.

(d) Monitoring for VOC ended before this point for the day.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, April 21, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		0.005(c)	0.005(c)	0.005(c)	0.005(c)
7:15	0.007(c)	0.009(c)	0.009(c)		0.006	0.017	0.009		0.005	0.007	0.006		0.006	0.008	0.007	
7:30	0.009	0.010	0.010		0.008	0.009	0.009		0.004	0.007	0.006		0.007	0.008	0.008	
7:45	(d)	(d)	(d)		0.008	0.011	0.009		0.007	0.008	0.007		0.007	0.008	0.008	
8:00	(d)	(d)	(d)	0.010(c)	0.011	0.035	0.018	0.011	0.006	0.007	0.007	0.006	0.008	0.008	0.008	0.008
8:15	(d)	(d)	(d)		0.008	0.027	0.016		0.007	0.008	0.008		0.008	0.008	0.008	
8:30	(d)	(d)	(d)		0.008	0.027	0.012		0.008	0.008	0.008		0.008	0.009	0.008	
8:45	(d)	(d)	(d)		0.008	0.011	0.009		0.008	0.008	0.008		0.008	0.008	0.008	
9:00	(d)	(d)	(d)		0.007	0.010	0.008	0.011	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.008
9:15	0.010(c)	0.012(c)	0.011(c)	0.011(c)	0.008	0.010	0.009		0.008	0.008	0.008		0.008	0.008	0.008	
9:30	0.009	0.013	0.011		0.008	0.008	0.008		0.008	0.009	0.008		0.008	0.008	0.008	
9:45	0.011	0.012	0.011		0.008	0.008	0.008		0.008	0.008	0.008		0.008	0.009	0.008	
10:00	0.011	0.014	0.012	0.0115(c)	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.007	0.008	0.008	0.008
10:15	0.012	0.014	0.013		0.005	0.008	0.007		0.008	0.008	0.008		0.008	0.008	0.008	
10:30	0.011	0.013	0.012		0.006	0.008	0.007		0.008	0.008	0.008		0.007	0.008	0.008	
10:45	0.011	0.019	0.015		0.005	0.009	0.008		0.008	0.008	0.008		0.008	0.009	0.008	
11:00	0.011	0.016	0.014	0.013	0.007	0.008	0.008	0.007	0.008	0.009	0.008	0.008	0.007	0.009	0.008	0.008
11:15	0.012	0.020	0.016		0.008	0.008	0.008		0.008	0.009	0.008		0.008	0.010	0.009	
11:30	0.012	0.023	0.015		0.008	0.009	0.009		0.008	0.009	0.008		0.008	0.009	0.009	
11:45	0.011	0.012	0.012		0.009 (c)	0.009 (c)	0.009 (c)		0.008	0.009	0.008		0.008	0.009	0.009	
12:00	0.011	0.012	0.012	0.014	(b)	(b)	(b)	0.0085(c)	0.008	0.009	0.008	0.008	0.007	0.009	0.008	0.009
12:15	0.012 (c)	0.012 (c)	0.012 (c)		(b)	(b)	(b)		0.008	0.009	0.009		0.008	0.009	0.009	
12:30	(b)	(b)	(b)		(b)	(b)	(b)		0.008	0.009	0.009		0.009(c)	0.009(c)	0.009(c)	
12:45	(b)	(b)	(b)		(b)	(b)	(b)		0.007	0.009	0.008		(b)	(b)	(b)	
13:00	(b)	(b)	(b)	0.012(c)	(b)	(b)	(b)	(b)	0.008	0.009	0.008	0.008	(b)	(b)	(b)	0.004(c)
13:15	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
13:30	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
13:45	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
14:00	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
14:15	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
14:30	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
14:45	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
15:00	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
15:15	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
15:30	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
15:45	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
16:00	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
16:15	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
16:30	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
16:45	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, April 21, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				**HS2**				**HS3**				**HS4**			
	Downwind				**Downwind**				**Upwind**				**Downwind**			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				**ppm**				**ppm**				**ppm**			
Daily Average	**0.012**				**0.009**				**0.008**				**0.008**			
Sampler Start Time	7:05 AM				6:59 AM				7:12 AM				6:51 AM			
Sampler End Time	12:04 PM				11:36 AM				13:00 PM				12:22 PM			

Low value is the lowest 3-minute logged data in each 15-minute period
High value is the highest 3-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 3-minute logged data
1-hour TWA is calculated as an average of the 4 15-minute TWAs within the hour
Daily average is an average of the 1-minute logged data
(a) Monitoring for hydrogen sulfide initiated after this point for the day.
(b) Sampling at this monitor was curtailed prior to the end of the work day as a result of complete discharge of the instrument battery. Please note that the power supply for the H2S monitors will be reconfigured by 4/23/04 to provide 10-12 hours of uninterrupted operation.
(c) Sampling data for this event may be based on less than 15 minutes or 1 hour of data due to startup or shutdown of the equipment during the time period.
(d) Instrument offline while the unit attempts to zero the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, April 21, 2004**

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m3			
7:00	22.9 (b)	(a)	(a)	2.4 (b)
7:30	22.7	2.6 (b)	1.0 (b)	3.1
8:00	24.5	4.5	1.0	2.6
8:30	29.2	4.9	0.9	2.6
9:00	15.0	3.7	1.1	2.6
9:30	55.7	10.9	1.0	3.0
10:00	22.8	4.1	1.1	3.4
10:30	21.8	3.7	1.1	3.4
11:00	22.2	6.8	1.1	3.0
11:30	64.1	11.2	1.2	3.4
12:00	66.2	13.0	1.2	3.0
12:30	74.3	5.2	1.3	2.7
13:00	40.3	15.1	1.2	2.7
13:30	34.1	7.3	1.4	3.4
14:00	53.8	18.6	1.7	3.8
14:30	24.7	10.9	1.4	5.7
15:00	38.2	12.0	1.5	5.8
15:30	62.9	13.2	1.5	5.6
16:00	22.5	21.6	1.9	6.6
16:30	25.0	15.0	1.8	7.7
17:00	30.0	21.1	1.6 (b)	7.7
17:30	17.6	5.5	(c)	5.2
18:00	13.2	4.7	(c)	4.8
18:30	9.5	4.3	(c)	4.3
19:00	10.3 (b)	4.8 (b)	(c)	4.6 (b)
Daily Average	**33.9**	**9.5**	**1.3**	**4.2**
Sampler Start Time	6:58 AM	7:06 AM	7:12 AM	6:51 AM
Sampler End Time	18:43 PM	18:48 PM	16:57 PM	18:53 PM

Action Limit = downwind monitor greater than 54 ug/m3 above upwind monitor

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

(a) Monitoring for particulate was initiated after this point for the day.

(b) Sampling data for this event may be based on less than 30 minutes of data due to startup or shutdown of the equipment during the time period.

(c) Monitoring for particulate ended before this point for the day.

SAMPLING SUMMARY REPORT
POWNAL TANNERY SITE

Date: **Thursday, April 22, 2004**

1) Exceedances:
No exceedances of the action limit were recorded.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturers spec.
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer spec
H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturers spec

4) Meteorological Data 7 AM - 7 PM:
Average daily temperature: 69.9°F
Average wind speed: 3.5 MPH
Predominant wind direction: NE

5) Site Activity:
Start Time: 700
Stop Time: 1610
Description: Mixed 2 cells (2I, 2J). Imported 950-tons of off-site materials. Continuing to grade road. Excavated stabilized material from cell 2A and placed and compacted in the landfill. Completed welding second cement hood.

6) Other:

(a) Monitoring for H2S was initated at 8 AM. Prior to 8 AM, work on the site was not intrusive.
(b) Sampling at theH2S monitors was curtailed prior to the end of the work day as a result of complete discharge of the instrument battery. Please note that the power supply for the H2S monitors will be reconfigured by 4/23/04 to provide 10-12 hours of uninterrupted operation.

(c) Particulate monitor D2 was offline in the afternoon. Other downwind monitors recorded no high readings relative to background.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, April 22, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.000	0	0
7:00	0.000(b)	0.000(b)	0.000(b)	0.000 (b)	0.000 (b)	0.000 (b)	(a)	(a)	(a)	0.000 (b)	0.066 (b)	0.005 (b)
7:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000 (b)	0.012 (b)	0.000 (b)	0.000	0.400	0.079
7:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.000	0.226	0.053
7:45	0.000	0.042	0.000	0.000	0.000	0.000	0.000	0.014	0.000	0.000	0.158	0.038
8:00	0.000	0.143	0.001	0.000	0.000	0.000	0.000	0.022	0.000	0.000	0.193	0.036
8:15	0.000	0.282	0.002	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.142	0.042
8:30	0.000	0.197	0.001	0.000	0.000	0.000	0.000	0.019	0.000	0.000	0.175	0.040
8:45	0.000	0.265	0.002	0.000	0.000	0.000	0.000	0.023	0.000	0.000	0.126	0.033
9:00	0.000	0.152	0.002	0.000	0.000	0.000	0.000	0.032	0.000	0.000	0.142	0.035
9:15	0.000	0.080	0.001	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.091	0.030
9:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.759	0.066
9:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.415	0.050
10:00	0.000	0.288	0.002	0.000	0.000	0.000	0.000	0.011	0.000	0.000	0.333	0.057
10:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.152	0.034
10:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.488	0.003	0.000	0.522	0.054
10:45	0.000	0.000	0.000	0.000	0.877	0.017	0.000	0.008	0.000	0.000	0.265	0.046
11:00	0.000	0.063	0.000	0.000	2.105	0.037	0.000	0.028	0.000	0.000	0.202	0.044
11:15	0.000	0.000	0.000	0.000	0.032	0.000	0.000	0.009	0.000	0.000	0.217	0.052
11:30	0.000	0.000	0.000	0.000	0.891	0.021	0.000	0.020	0.000	0.000	0.261	0.067
11:45	0.000	0.000	0.000	0.000	1.980	0.051	0.000	0.015	0.000	0.003	0.265	0.060
12:00	0.000	0.000	0.000	0.000	0.562	0.005	0.000	0.011	0.000	0.034	0.108	0.063
12:15	0.000	0.000	0.000	0.000	0.430	0.001	0.000	0.000	0.000	0.002	0.222	0.056
12:30	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.017	0.000	0.000	0.203	0.046
12:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.000	0.000	0.284	0.065
13:00	0.000	0.000	0.000	0.000	0.100	0.000	0.000	0.012	0.000	0.000	0.216	0.052
13:15	0.000	0.000	0.000	0.000	0.017	0.000	0.000	0.017	0.000	0.000	0.196	0.048
13:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.000	0.000	0.218	0.042

DAILY VOC REPORT
POWNAL TANNERY SITE

13:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.210	0.045
14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.211	0.049
14:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.000	0.000	0.184	0.048
14:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.230	0.063
14:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.273	0.062
15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.230	0.051
15:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.218	0.050
15:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000	0.000	0.188	0.050
15:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.000	0.217	0.047
16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.234	0.046
16:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000 (b)	0.202(b)	0.043(b)
16:30	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**			**0.003**			**0.000**			**0.049**		
Sampler Start Time	6:51 AM			6:53 AM			7:04 AM			7:12 AM		
Sampler End Time	16:29 PM			16:23 PM			16:15 PM			16:12 PM		

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
Daily average is an average of the 1-minute logged data
(a) Monitoring for VOC was initated at 10 AM. Prior to 10 AM, work on the site was not intrusive and consisted of moving fences.

(b) Sampling data for this event may be based on less than 15 minutes of data due to startup or shutdown of the equipment during the time period.

(c) Monitoring for VOC ended before this point for the day.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, April 22, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
8:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
8:15	(a)	(a)	(a)		(a)	(a)	(a)		0.001(c)	0.005(c)	0.004(c)		0.003(c)	0.004(c)	0.003(c)	
8:30	0.007(c)	0.007(c)	0.007(c)		0.003(c)	0.007(c)	0.005(c)		0.004(c)	0.005(c)	0.004(c)		0.004	0.005	0.005	
8:45	0.007	0.008	0.008		0.000	0.008	0.005		(e)	(e)	(e)		0.004	0.006	0.005	
9:00	0.007	0.011	0.008	0.008(c)	0.005	0.007	0.006	0.006(c)	0.000	0.005	0.003	0.003(c)	0.004	0.005	0.005	0.005(c)
9:15	0.007	0.011	0.009		0.005	0.006	0.006		0.000(c)	0.001(c)	0.000(c)		0.004	0.005	0.005	
9:30	0.007	0.010	0.008		0.005	0.008	0.006		(d)	(d)	(d)		0.005	0.032	0.009	
9:45	0.007	0.018	0.009		0.005	0.010	0.007		(d)	(d)	(d)		0.004	0.014	0.006	
10:00	0.007	0.015	0.009	0.009	0.005	0.007	0.006	0.006	(d)	(d)	(d)	0.000(c)	0.004	0.180	0.019	0.010
10:15	0.007	0.009	0.008		0.004	0.008	0.006		0.006(c)	0.006(c)	0.006(c)		0.005	0.045	0.010	
10:30	0.007	0.009	0.008		0.004	0.006	0.005		0.004	0.006	0.005		0.005	0.009	0.007	
10:45	0.007	0.009	0.008		0.005	0.008	0.006		0.004	0.007	0.006		0.007	0.026	0.010	
11:00	0.007	0.009	0.008	0.008	0.005	0.013	0.008	0.006	0.005	0.007	0.006	0.006(c)	0.006	0.007	0.007	0.009
11:15	0.005	0.009	0.008		0.000	0.010	0.005		0.005	0.007	0.006		0.006	0.007	0.007	
11:30	0.007	0.009	0.008		0.000	0.006	0.004		0.006	0.009	0.007		0.006	0.025	0.008	
11:45	0.008	0.009	0.008		0.005	0.012	0.007		0.006	0.006	0.006		0.006	0.011	0.007	
12:00	0.006	0.009	0.008	0.008	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.009	0.007	0.007
12:15	0.007	0.009	0.008		0.003	0.012	0.007		0.006	0.007	0.007		0.007	0.009	0.008	
12:30	0.007	0.010	0.009		0.006	0.007	0.007		0.006	0.009	0.007		0.006	0.008	0.007	
12:45	0.008	0.010	0.009		0.007	0.007	0.007		0.006	0.008	0.007		0.007(c)	0.007(c)	0.007(c)	
13:00	0.005(c)	0.010(c)	0.008(c)	0.009(c)	0.007	0.007	0.007	0.007	0.007	0.009	0.007	0.007	(b)	(b)	(b)	0.007(c)
13:15	(b)	(b)	(b)		0.006(c)	0.007(c)	0.007(c)		0.006	0.007	0.007		(b)	(b)	(b)	
13:30	(b)	(b)	(b)		(b)	(b)	(b)		0.007	0.008	0.007		(b)	(b)	(b)	
13:45	(b)	(b)	(b)		(b)	(b)	(b)		0.006	0.009	0.007		(b)	(b)	(b)	
14:00	(b)	(b)	(b)	(b)	(b)	(b)	(b)	0.007(c)	0.006	0.009	0.008	0.007	(b)	(b)	(b)	(b)
14:15	(b)	(b)	(b)		(b)	(b)	(b)		0.007	0.009	0.008		(b)	(b)	(b)	
14:30	(b)	(b)	(b)		(b)	(b)	(b)		0.008(c)	0.010(c)	0.008(c)		(b)	(b)	(b)	
14:45	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
15:00	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	0.008(c)	(b)	(b)	(b)	(b)
15:15	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
15:30	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
15:45	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
16:00	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
16:15	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
16:30	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	
16:45	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Daily Average	0.008	0.006	0.006	0.008
Sampler Start Time	8:29 AM	8:19 AM	8:09 AM	8:05 AM
Sampler End Time	12:55 PM	1:08 PM	2:23 PM	12:31 PM

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 4 15-minute TWAs within the hour
Daily average is an average of the 1-minute logged data
(a) Monitoring for hydrogen sulfide initiated after this point for the day.
(b) Sampling at this monitor was curtailed prior to the end of the work day as a result of complete discharge of the instrument battery.
(c) This value represents an amount of data points less than the full number of data points necessary for averaging due to start up or shut down of the equipment during the time period.
(d) Sampling interrupted due to sensor saturation and regeneration of sensor.
(e) Sampling interrupted due to regeneration of sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, April 22, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
7:00	39.9(a)	17.6(a)	(b)	(b)
7:30	34.4	20.4	8.0(a)	18.0(a)
8:00	36.6	23.7	8.6	19.7
8:30	60.1	23.4	8.8	31.9
9:00	45.2	22.2	9.0	33.8
9:30	51.7	18.3	10.7	35.9
10:00	44.8	19.6	11.1	34.1
10:30	28.3	27.7	11.7	36.5
11:00	26.5	20.5	9.9	36.5
11:30	25.1	22.2	9.0	39.3
12:00	25.0	20.7(a)	10.3	39.7
12:30	25.8	(d)	9.9	40.5
13:00	28.5	(d)	10.1	44.0
13:30	31.0	(d)	11.0	36.9
14:00	31.9	(d)	12.1	40.1
14:30	33.6	(d)	12.1	41.9
15:00	29.9	(d)	10.7	38.2
15:30	32.9	(d)	10.7(a)	27.5
16:00	36.7	(d)	(c)	28.3
16:30	34.0	(d)	(c)	26.3(a)
Daily Average	**34.9**	**21.8**	**10.2**	**34.7**
Sampler Start Time	6:50 AM	6:55 AM	7:05 AM	7:13 AM
Sampler End Time	16:31 PM	11:40 AM	15:20 PM	16:14 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

(a) Sampling data for the first and last events may be based on less than 30 minutes of data due to startup or shutdown of the equipment during the time period.

(b) Monitoring for particulate initiated after this point for the day.

(c) Monitoring for particulate terminated prior to this point for the day.

(d) Monitor offline due to low battery.

SAMPLING SUMMARY REPORT
POWNAL TANNERY SITE

Date: **Friday, April 23, 2004**

1) Exceedances:
No exceedances of the action limit were recorded.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturers spec.
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer spec
H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturers spec

4) Meteorological Data 7 AM - 7 PM:
Average daily temperature: 48.9°F
Average wind speed: 1.7 MPH
Predominant wind direction: SW

5) Site Activity:

Start Time:	800
Stop Time:	1600
Description:	Mixed 2 cells (5A, 3B). Imported 1200-tons of off-site materials. Continuing to grade access road

6) Other:
(a) Sampling at the H2S monitors was curtailed prior to the end of the work day as a result of complete discharge of the instrument battery. 12 volt batteries and inversion kits are on-site and being prepared for installation. Please note that the power supply for the H2S monitors will be reconfigured by 4/23/04 to provide 10-12 hours of uninterrupted operation.

(b) Particulate monitor D2 was offline in the afternoon. Other downwind monitors recorded no high readings relative to background.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, April 23, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
8:00	0.000 (b)	0.000 (b)	0.000 (b)	0.000 (b)	0.000 (b)	0.000 (b)	0.000(b)	0.094(b)	0.010 (b)	0.000(b)	0.249(b)	0.041(b)
8:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.124	0.020	0.000	0.164	0.050
8:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.130	0.018	0.000	0.178	0.058
8:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.092	0.015	0.000	0.219	0.076
9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.074	0.011	0.000	0.191	0.073
9:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.087	0.010	0.000	0.218	0.080
9:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.088	0.009	0.003	0.229	0.080
9:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.010	0.000	0.212	0.077
10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.065	0.007	0.000	0.194	0.075
10:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.068	0.010	0.000	0.212	0.079
10:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.068	0.011	0.000	0.225	0.087
10:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.062	0.010	0.009	0.246	0.099
11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.063	0.007	0.001	0.227	0.108
11:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.075	0.004	0.015	0.238	0.105
11:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.003	0.007	0.218	0.104
11:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.004	0.002	0.213	0.098
12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.003	0.011	0.215	0.102
12:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.034	0.001	0.006	0.225	0.111
12:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.001	0.010	0.254	0.112
12:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.000	0.022	0.224	0.113
13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.019	0.260	0.135
13:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.000	0.075	0.291	0.172
13:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.051	0.005	0.056	0.332	0.190

DAILY VOC REPORT
POWNAL TANNERY SITE

13:45	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.068	0.007	0.045	0.300	0.157
14:00	0.000	0.158	0.002	0.000	0.000	0.000	0.000	0.068	0.009	0.029	0.227	0.118
14:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.063	0.009	0.014	0.256	0.113
14:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.098	0.011	0.002	0.269	0.106
14:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.065	0.011	0.000	0.237	0.089
15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.084	0.011	0.000	0.235	0.070
15:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.074	0.012	0.000	0.221	0.064
15:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.072	0.012	0.000	0.171	0.058
15:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.092	0.012	0.000	0.187	0.057
16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.077	0.014	0.000	0.210	0.061
16:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.082	0.013	0.000	0.173	0.059
16:30	0.000	0.341	0.002	0.000	0.000	0.000	0.000	0.101	0.014	0.000	0.174	0.056
16:45	0.000(b)	0.000(b)	0.000(b)	0.000	0.000	0.000	0.000(b)	0.083(b)	0.016(b)	0.000(b)	0.150(b)	0.056(b)
Daily Average	**0.000**			**0.000**			**0.009**			**0.092**		
Sampler Start Time	7:56 AM			7:58 AM			7:48 AM			7:47 AM		
Sampler End Time	16:43 PM			16:45 PM			16:37 PM			16:38 PM		

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
Daily average is an average of the 1-minute logged data
(a) Monitoring for VOC was initiated at 8 AM. Prior to 8 AM there was no intrusive activity at the site.

(b) Sampling data for this event may be based on less than 15 minutes of data due to startup or shutdown of the equipment during the time period.

(c) Monitoring for VOC ended before this point for the day.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, April 23, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

Time of Day	Hydrogen Sulfide Ambient Concentrations															
	HS1 (e)				HS2				HS3 (e)				HS4			
	Downwind				Downwind				Upwind				Downwind			
	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(d)	(d)	(d)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(d)	(d)	(d)	(d)
7:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(d)	(d)	(d)	
7:30	0.004(c)	0.005(c)	0.005(c)		0.003(c)	0.004(c)	0.004(c)		(a)	(a)	(a)		(d)	(d)	(d)	
7:45	0.004	0.007	0.005		0.003	0.006	0.004		0.002(c)	0.004(c)	0.003(c)		(d)	(d)	(d)	
8:00	0.005	0.008	0.006	0.005(c)	0.003	0.009	0.004	0.004(c)	0.003	0.004	0.004	0.004(c)	(d)	(d)	(d)	(d)
8:15	0.004	0.008	0.005		0.000	0.005	0.004		0.003	0.004	0.004		(d)	(d)	(d)	
8:30	0.004	0.011	0.006		0.004	0.006	0.004		0.003	0.004	0.004		(d)	(d)	(d)	
8:45	0.004	0.009	0.006		0.004	0.006	0.005		0.003	0.005	0.004		(d)	(d)	(d)	
9:00	0.005	0.009	0.006	0.006	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.004	(d)	(d)	(d)	(d)
9:15	0.005	0.024	0.007		0.004	0.005	0.004		0.004	0.004	0.004		(d)	(d)	(d)	
9:30	0.004	0.007	0.005		0.003	0.005	0.004		0.004	0.004	0.004		(d)	(d)	(d)	
9:45	0.005	0.007	0.006		0.003	0.006	0.004		0.004	0.011	0.007		0.002	(d)	(d)	
10:00	0.006	0.024	0.009	0.007	0.003	0.005	0.004	0.004	0.004	0.005	0.004	0.005	(d)	(d)	(d)	(d)
10:15	0.005	0.011	0.007		0.003	0.007	0.004		0.003	0.006	0.004		(d)	(d)	(d)	
10:30	0.003	0.006	0.005		0.002	0.005	0.003		0.003	0.006	0.004		(d)	(d)	(d)	
10:45	0.003	0.006	0.004		0.002	0.004	0.003		0.003	0.006	0.004		0.002	(d)	(d)	
11:00	0.002	0.004	0.004	0.005	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.004	(d)	(d)	(d)	(d)
11:15	0.003	0.006	0.004		0.003(c)	0.003(c)	0.003(c)		0.003	0.007	0.004		(d)	(d)	(d)	
11:30	0.003	0.005	0.004		(b)	(b)	(b)		0.003	0.007	0.004		(d)	(d)	(d)	
11:45	0.003	0.005	0.004		(b)	(b)	(b)		0.003	0.005	0.004		(d)	(d)	(d)	
12:00	0.003	0.005	0.004	0.004	(b)	(b)	(b)	0.003(c)	0.003	0.005	0.004	0.004	(d)	(d)	(d)	(d)
12:15	0.003	0.005	0.004		(b)	(b)	(b)		0.004(c)	0.004(c)	0.004(c)		(d)	(d)	(d)	
12:30	0.003	0.004	0.003		(b)	(b)	(b)		(b)	(b)	(b)		(d)	(d)	(d)	
12:45	0.003(c)	0.003(c)	0.003(c)		(b)	(b)	(b)		(b)	(b)	(b)		(d)	(d)	(d)	
13:00	(b)	(b)	(b)	0.004(c)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	0.004(c)	(d)	(d)	(d)	(d)
13:15	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(d)	(d)	(d)	
13:30	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(d)	(d)	(d)	
13:45	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(d)	(d)	(d)	
14:00	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(d)	(d)	(d)	(d)
14:15	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(d)	(d)	(d)	
14:30	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(d)	(d)	(d)	
14:45	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(d)	(d)	(d)	
15:00	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(d)	(d)	(d)	(d)
15:15	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(d)	(d)	(d)	
15:30	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(d)	(d)	(d)	
15:45	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(d)	(d)	(d)	
16:00	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(d)	(d)	(d)	(d)
16:15	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(d)	(d)	(d)	
16:30	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(d)	(d)	(d)	
16:45	(b)	(b)	(b)		(b)	(b)	(b)		(b)	(b)	(b)		(d)	(d)	(d)	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Daily Average	**0.005**	**0.004**	**0.004**	**0.000**
Sampler Start Time	7:19 AM	7:25 AM	7:35 AM	(d)
Sampler End Time	12:35 PM	11:04 AM	12:04 PM	(d)

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 4 15-minute TWAs within the hour
Daily average is an average of the 1-minute logged data
(a) Monitoring for hydrogen sulfide initiated after this point for the day.
(b) Sampling at this monitor was curtailed prior to the end of the work day as a result of complete discharge of the instrument battery.
(c) This value represents an amount of data points less than the full number of data points necessary for averaging due to start up or shut down of the equipment during the time period.
(d) Unit HS4 operating but the datalogger was not recording. The two values given for 9:45 and 10:45 are actual data recorded on the field data sheet by operators.
(e) Start time for HS1 estimated to be 7:19 am based on start time of DR1. Start time for HS3 estimated to be 7:35 based on start time of DR3

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, April 23, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
7:30	6.1(a)	2.7(a)	(b)	0.0(a)
8:00	9.8	8.5	2.0(a)	0.0
8:30	18.6	4.1	3.0	0.0
9:00	6.4	5.3	1.5	0.0
9:30	10.5	7.0	1.5	0.0
10:00	4.9	7.0	1.9	0.0
10:30	7.3	7.6	1.4	0.0
11:00	9.4	8.6	2.8	0.3
11:30	6.2	3.2	2.2	0.0
12:00	6.2	3.3	2.4	0.0
12:30	6.1	3.3(a)	2.1	0.3
13:00	7.3	(d)	2.7	0.0
13:30	6.5	(d)	3.2	0.0
14:00	7.2	(d)	2.0	0.0
14:30	7.5	(d)	1.9	0.0
15:00	5.7	(d)	1.3	0.0
15:30	11.4	(d)	1.8	0.0
16:00	6.3	(d)	(c)	0.0
16:30	4.4	(d)	(c)	0.0
17:00	3.7(a)	(d)	(c)	0.0(a)
Daily Average	**7.7**	**5.9**	**2.1**	**0.0**
Sampler Start Time	7:20 AM	7:26 AM	7:36 AM	7:12 AM
Sampler End Time	16:44 PM	12:07 PM	15:30 PM	16:36 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

(a) Sampling data for the first and last events may be based on less than 30 minutes of data due to startup or shutdown of the equipment during the time period.

(b) Monitoring for particulate initiated after this point for the day.

(c) Monitoring for particulate terminated prior to this point for the day.

(d) Sampler offline due to low battery.

SAMPLING SUMMARY REPORT
POWNAL TANNERY SITE

Date: Monday, April 26, 2004

1) Exceedances:

There was an exceedance of the VOC limit between 3 and 3:30 pm at the V2 downwind site. The instrument data showed that the concentration began to rise at 3 PM and peaked at 3:10 PM at 52 ppm and then gradually tapered back to typical ambient levels close to 0 PPM by 3:30 PM . The high alarm was acknowledged by field personnel who viewed the instrument data and confirmed that the and was returned to normal levels. There was no immediate/adjacent site activity or vehicle traffic to explain the exceedance. Therefore no additional actions were taken. There was site activity in that area earlier in the day but does not appear to be related to the exceedance. .

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturers spec
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer spec
H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturers spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 50.9°F
Average wind speed: 2.8 MPH
Predominant wind direction: SW

5) Site Activity:

Start Time:	700
Stop Time:	1630
Description:	Shakedown operations. Placed fill material in access road.

6) Other:
(a) Ambient monitoring was initiated at 10:30 AM and was delayed due to significant rainfall. Appropriate steps to protect the equipment sensors was taken. In the future, all monitor will be deployed under any ambient conditions.

(b) Continuous operation of the H2S monitors on 12 VDC batteries was in place and operational today. All of the monitors appeared to work well on the 12 VDC batteries. Spare charged batteries are maintained on site. The 12 VDC batteries will be rotated on a regular schedule to ensure and maintain a full charge.

(c) All monitors worked well without incident today

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, April 26, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
8:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
8:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
8:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
8:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
9:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
9:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
9:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
9:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
10:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
10:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
10:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
10:45	0.000(b)	0.005(b)	0.000(b)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
11:00	0.000	0.043	0.001	(a)	(a)	(a)	(a)	(a)	(a)	0.000	0.328	0.135
11:15	0.000	0.046	0.002	0.000	0.000	0.000	(a)	(a)	(a)	0.000	0.220	0.092
11:30	0.000	0.028	0.002	0.000	0.000	0.000	0.000	0.057	0.007	0.000	0.216	0.095
11:45	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.053	0.005	0.005	0.221	0.093
12:00	0.000	0.205	0.012	0.000	0.000	0.000	0.000	0.084	0.005	0.000	0.242	0.098
12:15	0.000	0.121	0.004	0.000	0.000	0.000	0.000	0.065	0.005	0.000	0.260	0.093
12:30	0.000	0.287	0.031	0.000	0.000	0.000	0.000	0.089	0.007	0.000	0.208	0.088
12:45	0.000	0.153	0.007	0.000	0.000	0.000	0.000	0.057	0.005	0.000	0.213	0.096
13:00	0.000	0.031	0.001	0.000	0.000	0.000	0.000	0.057	0.006	0.000	0.240	0.093
13:15	0.000	0.215	0.007	0.000	0.000	0.000	0.000	0.062	0.005	0.000	0.225	0.089
13:30	0.000	0.055	0.003	0.000	0.000	0.000	0.000	2.852	0.025	0.000	0.226	0.095

DAILY VOC REPORT
POWNAL TANNERY SITE

13:45	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.047	0.005	0.002	0.244	0.101
14:00	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.066	0.005	0.004	0.229	0.105
14:15	0.000	0.035	0.001	0.000	0.000	0.000	0.000	0.037	0.002	0.005	0.256	0.103
14:30	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.040	0.003	0.002	0.267	0.118
14:45	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.027	0.002	0.005	0.274	0.131
15:00	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.024	0.001	0.025	0.276	0.150
15:15	0.000	0.000	0.000	**0.000**	**56.7**	**24.7 (d)**	0.000	0.035	0.002	0.052	0.345	0.178
15:30	0.000	0.012	0.000	**2.665**	**29.9**	**12.9 (d)**	0.000	0.022	0.000	0.050	0.355	0.199
15:45	0.000	0.000	0.000	0.000	3.237	0.139	0.000	0.000	0.000	0.059	0.385	0.204
16:00	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.119	0.404	0.261
16:15	0.000	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.097	0.386	0.262
16:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.193	0.511	0.378
16:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.225	0.551	0.381
17:00	0.000	0.000	0.000	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.270	0.712	0.513
17:15	0.000	0.044	0.005	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	0.000	0.118	0.055	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	0.077(b)	0.115(b)	0.091(b)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.005**			**1.637**			**0.004**			**0.164**		
Sampler Start Time	10:41 AM			11:01 AM			11:21 AM			10:51 AM		
Sampler End Time	17:31 PM			16:46 PM			16:55 PM			16:59 PM		

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
Daily average is an average of the 15-minute TWAs
(a) Monitoring for VOC was initiated at 10:30 AM. Prior to that time, it was raining heavily.

(b) Sampling data for this event may be based on less than 15 minutes of data due to startup or shutdown of the equipment during the time period.

(c) Monitoring for VOC ended before this point for the day.
(d) A VOC spike occurred at

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, April 26, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

Time of Day	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
8:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
8:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
8:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
8:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
9:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
9:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
9:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
9:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
10:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
10:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
10:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
10:45	0.008(b)	0.009(b)	0.008(b)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
11:00	0.007	0.012	0.009	0.008(b)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.003(b)	0.007(b)	0.005(b)	0.005(b)
11:15	0.008	0.012	0.009		0.004(b)	0.006(b)	0.005(b)		(a)	(a)	(a)		0.005	0.006	0.005	
11:30	0.008	0.032	0.015		0.004	0.006	0.004		0.004(b)	0.004(b)	0.004(b)		0.005	0.008	0.006	
11:45	0.008	0.011	0.009		0.004	0.008	0.005		0.004	0.006	0.005		0.006	0.007	0.006	
12:00	0.002	0.017	0.011	0.011	0.004	0.010	0.007	0.005(b)	0.005	0.006	0.005	0.005(b)	0.006	0.008	0.007	0.006
12:15	0.008	0.033	0.014		0.007	0.007	0.007		0.004	0.007	0.005		0.006	0.007	0.007	
12:30	0.008	0.038	0.015		0.006	0.008	0.006		0.004	0.007	0.006		0.005	0.007	0.006	
12:45	0.009	0.013	0.011		0.006	0.008	0.007		0.004	0.007	0.006		0.006	0.007	0.007	
13:00	0.009	0.015	0.011	0.013	0.006	0.017	0.007	0.007	0.004	0.007	0.006	0.006	0.006	0.007	0.007	0.007
13:15	0.009	0.016	0.010		0.006	0.019	0.008		0.004	0.007	0.006		0.005	0.007	0.006	
13:30	0.008	0.023	0.014		0.006	0.009	0.006		0.004	0.007	0.005		0.004	0.006	0.006	
13:45	0.007	0.015	0.009		0.005	0.013	0.008		0.003	0.007	0.006		0.005	0.007	0.006	
14:00	0.008	0.012	0.009	0.011	0.006	0.008	0.007	0.007	0.003	0.007	0.005	0.005	0.004	0.006	0.006	0.006
14:15	0.007	0.020	0.010		0.004	0.009	0.006		0.004	0.006	0.005		0.004	0.005	0.005	
14:30	0.007	0.014	0.009		0.006	0.007	0.006		0.005	0.006	0.006		0.004	0.007	0.005	
14:45	0.008	0.013	0.009		0.005	0.007	0.006		0.005	0.006	0.006		0.004	0.006	0.005	
15:00	0.006	0.015	0.010	0.010	0.005	0.010	0.006	0.006	0.004	0.007	0.006	0.005	0.004	0.006	0.005	0.005
15:15	0.006	0.011	0.008		0.005	0.008	0.007		0.005	0.008	0.006		0.005	0.010	0.006	
15:30	0.005	0.007	0.006		0.004	0.006	0.005		0.004	0.008	0.006		0.004	0.011	0.006	
15:45	0.006	0.008	0.007		0.004	0.017	0.007		0.005	0.007	0.006		0.004	0.006	0.005	
16:00	0.005	0.007	0.006	0.007	0.004	0.007	0.005	0.006	0.002	0.006	0.005	0.006	0.004	0.006	0.005	0.006
16:15	0.006	0.011	0.008		0.004	0.006	0.005		0.004	0.005	0.005		0.004	0.005	0.005	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

16:30	0.006	0.008	0.006		0.004	0.009	0.006		0.003	0.007	0.005		0.004	0.006	0.005	
16:45	0.007	0.009	0.007		0.004	0.009	0.006		0.005	0.006	0.006		0.004	0.006	0.005	
Daily Average	**0.010**				**0.006**				**0.005**				**0.006**			
Sampler Start Time	10:33 AM				11:09 AM				11:21 AM				10:51 AM			
Sampler End Time	4:44 PM				4:47 PM				4:56 PM				5:03 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 4 15-minute TWAs within the hour
Daily average is an average of the 1-minute logged data
(a) Monitoring for hydrogen sulfide initiated after this point for the day due to heavy rain.
(b) This value represents an amount of data points less than the full number of data points necessary for averaging due to start up or shut down of the equipment during the time period.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, April 26, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
7:30	(b)	(b)	(b)	(b)
8:00	(b)	(b)	(b)	(b)
8:30	(b)	(b)	(b)	(b)
9:00	(b)	(b)	(b)	(b)
9:30	(b)	(b)	(b)	(b)
10:00	(b)	(b)	(b)	(b)
10:30	(b)	(b)	(b)	(b)
11:00	7.2(a)	(b)	(b)	14.8(a)
11:30	12.4	30.6(a)	0.0(a)	0.0
12:00	6.5	10.5	0.0	0.1
12:30	6.6	4.9	0.0	0.1
13:00	10.2	5.7	0.0	0.4
13:30	16.8	5.8	0.0	1.9
14:00	18.8	11.2	0.0	6.7
14:30	25.4	9.0	0.0	11.0
15:00	19.1	9.6	0.0	10.9
15:30	14.0	10.8	0.0	33.3
16:00	17.6	13.7	0.0	19.4
16:30	18.0	12.6	0.0	16.6
17:00	15.1(a)	10.8(a)	0.0	13.6
17:30	(c)	(c)	(c)	11.2(a)
Daily Average	**14.6**	**11.1**	**0.0**	**9.7**
Sampler Start Time	10:41 AM	11:04 AM	11:21 AM	10:47 AM
Sampler End Time	16:44 PM	16:48 PM	17:00 PM	17:02 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

(a) Sampling data for the first and last events may be based on less than 30 minutes of data due to startup or shutdown of the equipment during the time period.

(b) Monitoring for particulate initiated after this point for the day due to heavy rain.

(c) Monitoring for particulate terminated prior to this point for the day.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING DAILY SUMMARY REPORT

Date: **Tuesday, April 27, 2004**

1) Exceedances:

An apparent violation is indicated for the D4 monitoring location. These values, however, are not representive of site conditions. High values were observed by the sampling technician and oversight personnel, but there was no evidence of ambient dust in the area. An inspection of the equipment revealed moisture in the sampling tube. A calibrated spare unit was installed at appoximately 12:20 PM. In the interim a portable MiniRam dust meter was temporarily brought to the site to verify that the high readings were inaccurate.

2) Sampling Procedures:

Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers specifications.

3) Calibrations:

VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturers spec
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturers spec
H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturers spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 56°F
Average wind speed: 3.5 MPH
Predominant wind direction: NE

5) Site Activity:

Start Time:	7:30 AM
Stop Time:	5:10 PM
Description:	Mixing with Allu in eastern section of Lagoon 1. Blew 4 loads of cement and mixed four cells. Excavating, hauling and stockpiling berm material on the northwestern edge of Lagoon 5.

6) Other:

(a) VOC and H2S equipment ran well. The particulate monitors revealed some relatively high values that were not related to ambient dust in the area. It was concluded that the equipment was displaying residual effects of having been deployed in heavy rain on Monday, April 26, 2004. The site is in the process of constructing sampling shelters to protect the equipment from heavy rains. It is anticipated that these will be installed by April 29, 2004.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, April 27, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.859(b)	0.209(b)
6:30	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	(a)	(a)	(a)	0.000	0.444	0.139
6:45	0.000	0.013	0.000	0.000	0.000	0.000	0.000(b)	0.036(b)	0.005(b)	0.000	0.443	0.120
7:00	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.122	0.014	0.000	0.366	0.131
7:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.107	0.007	0.000	0.413	0.149
7:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.068	0.005	0.000	0.426	0.161
7:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.049	0.004	0.000	0.506	0.200
8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.003	0.047	0.578	0.273
8:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.045	0.003	0.027	0.548	0.263
8:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.052	0.004	0.000	0.581	0.191
8:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.063	0.006	0.000	0.382	0.101
9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.103	0.006	0.000	0.351	0.062
9:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.087	0.008	0.000	0.221	0.023
9:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.079	0.007	0.000	0.258	0.023
9:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.086	0.007	0.000	0.210	0.029
10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.103	0.008	0.000	0.197	0.031
10:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.092	0.011	0.000	0.266	0.033
10:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.280	0.035	0.000	0.216	0.033
10:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.127	0.009	0.000	0.218	0.027
11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.105	0.007	0.000	0.240	0.026
11:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.009	0.000	0.218	0.043
11:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.126	0.011	0.000	0.285	0.028
11:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.108	0.011	0.000	0.264	0.023
12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.079	0.008	0.000	0.271	0.024
12:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.078	0.007	0.000	0.209	0.021
12:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.066	0.007	0.000	0.239	0.025
12:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.065	0.007	0.000	0.200	0.020
13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.068	0.006	0.000	0.132	0.011
13:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.062	0.006	0.000	0.133	0.016
13:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.108	0.009	0.000	0.211	0.016

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, April 27, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
13:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.005	0.000	0.190	0.030
14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042	0.003	0.000	0.139	0.011
14:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.098	0.005	0.000	0.186	0.017
14:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.003	0.000	0.142	0.013
14:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.044	0.001	0.000	0.128	0.008
15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.037	0.002	0.000	0.235	0.022
15:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.001	0.000	0.198	0.009
15:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.001	0.000	0.136	0.006
15:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.038	0.001	0.000	0.164	0.012
16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.001	0.000	0.154	0.007
16:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000	0.000	0.201	0.010
16:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000(d)	0.030(d)	0.001(d)	0.000	0.078	0.004
16:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.003	0.000	0.146	0.008
17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.061	0.001	0.000	0.111	0.005
17:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.061	0.001	0.000(d)	0.036(d)	0.000(d)
17:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.001	0.000(d)	0.458(d)	0.089(d)
17:45	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000	0.025	0.001	0.000	0.272	0.051
18:00	(c)	(c)	(c)	(c)	(c)	(c)	0.000(b)	0.084(b)	0.002(b)	0.000(b)	0.174(b)	0.013(b)
Daily Average	**0.000**			**0.000**			**0.006**			**0.006**		
Sampler Start Time	6:25 AM			6:28 AM			6:45 AM			6:06 AM		
Sampler End Time	17:43 PM			17:44 PM			17:52 PM			17:55 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 15-minute TWAs

(a) Monitoring for VOC initiated after this point for the day.

(b) Sampling data for this event may be based on less than 15 minutes of data due to startup or shutdown of the equipment during the time period.

(c) Monitoring for VOC was completed for this day at the site.

(d) Sampling data for this event are less than 15 minutes of data due to battery change on the instrument.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, April 27, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		0.000(c)	0.000(c)	0.000(c)	
6:30	0.001(c)	0.003(c)	0.002(c)		(a)	(a)	(a)		(a)	(a)	(a)		0.000	0.002	0.001	
6:45	0.000	0.004	0.002		0.000(c)	0.002(c)	0.002(c)		0.001(c)	0.001(c)	0.001(c)		0.001	0.003	0.002	
7:00	0.001(d)	0.003(d)	0.002(d)	0.002(c)	0.001	0.002	0.002	0.002	0.000	0.002	0.001	0.001	0.001	0.003	0.002	0.002(c)
7:15	(e)	(e)	(e)		0.000	0.002	0.001		0.000	0.002	0.001		0.002(d)	0.003(d)	0.003(d)	
7:30	0.002(d)	0.004(d)	0.003(d)		0.001	0.003	0.002		0.001	0.003	0.002		(e)	(e)	(e)	
7:45	0.000	0.005	0.003		0.002	0.013	0.004		0.001	0.003	0.002		0.004(d)	0.005(d)	0.005(d)	
8:00	0.003	0.013	0.005	0.005	0.002	0.010	0.004	0.004	0.002	0.005	0.003	0.003	0.003	0.005	0.004	0.005
8:15	0.004	0.005	0.005		0.002	0.004	0.003		0.003	0.006	0.004		0.003	0.006	0.004	
8:30	0.005	0.007	0.006		0.002	0.008	0.004		0.003	0.005	0.004		0.004	0.006	0.005	
8:45	0.005	0.011	0.008		0.004	0.006	0.005		0.004	0.006	0.005		0.005	0.006	0.005	
9:00	0.007	0.010	0.008	0.008	0.006	0.008	0.007	0.006	0.005	0.007	0.006	0.006	0.004	0.007	0.006	0.006
9:15	0.004	0.009	0.008		0.005	0.008	0.006		0.006	0.007	0.006		0.006	0.007	0.007	
9:30	0.005	0.008	0.007		0.005	0.007	0.006		0.006	0.009	0.006		0.006	0.008	0.007	
9:45	0.006	0.009	0.008		0.005	0.007	0.006		0.006	0.015	0.007		0.006	0.009	0.007	
10:00	0.007	0.008	0.008	0.008	0.005	0.007	0.007	0.007	0.007	0.009	0.008	0.007	0.007	0.027	0.010	0.010
10:15	0.008	0.009	0.008		0.007	0.008	0.007		0.006	0.010	0.008		0.007	0.019	0.011	
10:30	0.008	0.010	0.008		0.007	0.008	0.007		0.000	0.009	0.007		0.009	0.025	0.013	
10:45	0.007	0.010	0.008		0.007	0.007	0.007		0.006	0.008	0.008		0.009	0.012	0.010	
11:00	0.007	0.009	0.008	0.008	0.007	0.008	0.007	0.007	0.007	0.011	0.008	0.008	0.009	0.014	0.011	0.010
11:15	0.008	0.010	0.009		0.007	0.008	0.007		0.007	0.009	0.008		0.009	0.015	0.011	
11:30	0.007	0.010	0.008		0.006	0.009	0.007		0.007	0.009	0.008		0.007	0.021	0.010	
11:45	0.007	0.010	0.009		0.006	0.008	0.007		0.007	0.010	0.008		0.008	0.031	0.014	
12:00	0.008	0.010	0.009	0.008	0.007	0.008	0.007	0.007	0.007	0.009	0.008	0.008	0.009	0.041	0.017	0.015
12:15	0.008	0.009	0.008		0.007	0.008	0.007		0.006	0.008	0.007		0.009	0.040	0.014	
12:30	0.007	0.009	0.008		0.007	0.015	0.008		0.007	0.009	0.008		0.009	0.040	0.016	
12:45	0.007	0.009	0.008		0.007	0.008	0.007		0.006	0.010	0.007		0.010	0.018	0.012	
13:00	0.007	0.009	0.008	0.008	0.007	0.010	0.008	0.007	0.007	0.010	0.008	0.008	0.008	0.012	0.010	0.010
13:15	0.007	0.009	0.008		0.006	0.008	0.007		0.007	0.009	0.008		0.009	0.013	0.010	
13:30	0.008	0.010	0.009		0.007	0.009	0.007		0.007	0.015	0.009		0.009	0.013	0.010	
13:45	0.008	0.010	0.009		0.007	0.009	0.008		0.007	0.010	0.008		0.008	0.046	0.019	
14:00	0.008	0.010	0.009	0.009	0.007	0.010	0.009	0.008	0.008	0.012	0.009	0.009	0.009	0.016	0.011	0.013
14:15	0.008	0.010	0.009		0.007	0.009	0.008		0.008	0.011	0.009		0.009	0.015	0.011	
14:30	0.009	0.010	0.010		0.007	0.009	0.008		0.008	0.010	0.009		0.010	0.014	0.011	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, April 27, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
14:45	0.009	0.010	0.009		0.001	0.012	0.009		0.009	0.009	0.009		0.009	0.014	0.011	
15:00	0.009	0.010	0.010	0.010	0.008	0.009	0.008	0.009	0.008	0.009	0.009	0.009	0.008	0.044	0.018	0.014
15:15	0.009	0.011	0.010		0.007	0.010	0.008		0.008	0.010	0.009		0.010	0.022	0.013	
15:30	0.009	0.011	0.010		0.008	0.010	0.009		0.009	0.010	0.009		0.010	0.015	0.012	
15:45	0.010	0.011	0.010		0.009	0.009	0.009		0.009	0.011	0.009		0.011	0.015	0.013	
16:00	0.010	0.011	0.010	0.010	0.008	0.010	0.009	0.009	0.008	0.010	0.009	0.009	0.011	0.018	0.013	0.013
16:15	0.010	0.011	0.010		0.008	0.009	0.009		0.009	0.009	0.009		0.011	0.019	0.013	
16:30	0.009	0.010	0.010		0.008	0.009	0.009		0.008	0.009	0.009		0.010	0.013	0.012	
16:45	0.009	0.010	0.010		0.008	0.010	0.009		0.008	0.010	0.009		0.009	0.014	0.012	
17:00	0.009	0.010	0.010	0.010	0.009(c)	0.010(c)	0.009(c)	0.009	0.008	0.009	0.008	0.009	0.008	0.010	0.009	0.010
17:15	0.009	0.010	0.010		(b)	(b)	(b)		0.007	0.009	0.008		0.009	0.012	0.010	
17:30	0.008	0.010	0.009		(b)	(b)	(b)		0.007	0.009	0.008		0.009	0.009	0.009	
17:45	0.008(c)	0.010(c)	0.010(c)		(b)	(b)	(b)		0.008	0.009	0.009		0.009	0.009	0.009	
18:00	(b)	(b)	(b)	0.010(c)	(b)	(b)	(b)	(b)	0.008(c)	0.009(c)	0.009(c)	0.009(c)	0.008(c)	0.009(c)	0.009(c)	0.009(c)
Daily Average	**0.008**				**0.007**				**0.007**				**0.010**			
Sampler Start Time	6:25 AM				6:34 AM				6:45 AM				6:13 AM			
Sampler End Time	5:44 PM				5:43 PM				5:53 PM				5:59 PM			

Action Limit = 1 hour TWA greater than 0.1 ppm
Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs
(a) Monitoring for hydrogen sulfide initiated after this point for the day.
(b) Monitoring for hydrogen sulfide was completed at this site for the day.
(c) This value represents an amount of data points less than the full number of data points necessary for averaging due to start up or shut down of the equipment during the time period.
(d) This value represents an amount of data points less than the full number of data points due to sensor regenration
(e) Instrument was offline for regeneration of the sensor

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, April 27, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	27.0(a)	0(a)	(b)	23.4(a)
7:00	29.1	0.0	0.0	26.7
7:30	30.5	0.0	0.1	35.5
8:00	46.4	30.6	4.3	45.2
8:30	33.1	0.0	0.0	45.3
9:00	38.8	0.0	0.0	36.8
9:30	32.0	0.0	0.0	**61.4(c)**
10:00	29.4	0.0	0.0	**104.1(c)**
10:30	26.0	0.0	0.0	**120.94(c)**
11:00	25.3	0.0	0.0	19.8
11:30	27.5	0.0	0.0	40.6
12:00	22.9	0.0	0.0(d)	51.8
12:30	22.6	3.0	53.6(d)	42.1(d)
13:00	20.5	0.0	35.7	(a)
13:30	19.2	0.1	23.2	(a)
14:00	17.6	0.0	28.7	(a)
14:30	15.7	0.0	26.1	7.3
15:00	14.6	0.0	32.2	7.3
15:30	13.8	0.0	25.1	6.5
16:00	13.9	0.0	23.6	6.3
16:30	13.2	0.0	16.8	5.3
17:00	10.9	0.0	12.0	4.3
17:30	9.1	0.0	8.8	3.6
18:00	8.7(a)	0.6	6.9(a)	3.9(a)
Daily Average	**23.1**	**1.5**	**12.2**	**34.9**
Sampler Start Time	6:19 AM	6:30 AM	6:43 AM	6:07 AM
Sampler End Time	17:44 PM	18:00 PM	11:50 AM	12:21 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

(a) Sampling data for the first and last events may be based on less than 30 minutes of data due to startup or shutdown of the equipment during the time period.

(b) Monitoring for particulate initiated after this point for the day.

(c) These values are not representive of site conditions. High values were observed by the sampling technician, but there was no dust in the area. An inspection of the equipment revealed moisture in the sampling tube. A calibrated spare unit was installed at appoximateley 12:20 PM. In the interim a portable MiniRam dust meter was temporarily brought to the site temporarily to verify the the high readings were inaccurate.

(d) Averages are based on less than 15 minutes of data. Sampling was interrupted briefly for equipment changeout. D3 battery was low. D4 was reading high due to moisture and also had a low battery.

POWNAL TANNERY SITE PERIMITER AIR MONITORING DAILY SUMMARY REPORT
POWNAL TANNERY SITE

Date: **Wednesday, April 28, 2004**

1) Exceedances:

There were no exceedances on April 28, 2004

2) Sampling Procedures:

Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers specifications.

3) Calibrations:

VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturers spec
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturers spec
H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturers s

4) Meteorological Data 7 AM - 5 PM:

Average daily temperature: 46°F
Average wind speed: 5.2 MPH
Predominant wind direction: NE

5) Site Activity:

Start Time: 7:30 AM
Stop Time: 5:10 PM
Description:

Excavated approximately 30 tons of stabilized material from the eastern edge. Material was transported to the test pad area, place and compacted. Excavated 1000 tons of "clean berm" material from the eastern edge of Lagoon 1and stockpiled in WR#4.

6) Other:

(a) A relatively high particulate value was recorded in the afternoon at DR Site 4, but it did not exceed the action limit. Station 4 is adjacent to Lagoon 1 where site activity was occurring today.

(b) The equipment ran well today with no significant disruptions in sampling.

POWNAL TANNERY SITE PERIMITER AIR MONITORING DAILY SUMMARY REPORT
POWNAL TANNERY SITE

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POWNAL TANNERY SITE PERIMITER AIR MONITORING DAILY SUMMARY REPORT

POWNAL TANNERY SITE

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, April 28, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.000(b)	0.010(b)	0.000(b)	(a)	(a)	(a)	(a)	(a)	(a)	0.000	0.305	0.076
7:30	0.000	0.028	0.002	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.030(b)	0.003(b)	0.000	0.191	0.081
7:45	0.000	0.026	0.003	0.000	0.000	0.000	0.000	0.031	0.002	0.000	0.210	0.048
8:00	0.000	0.022	0.003	0.000	0.000	0.000	0.000	0.033	0.001	0.000	0.000	0.000
8:15	0.000	0.024	0.003	0.000	0.000	0.000	0.000	0.030	0.001	0.000	0.000	0.000
8:30	0.000	0.026	0.003	0.000	0.000	0.000	0.000	0.044	0.001	0.000	0.000	0.000
8:45	0.000	0.022	0.002	0.000	0.000	0.000	0.000	0.029	0.002	0.000	0.000	0.000
9:00	0.000	0.018	0.001	0.000	0.000	0.000	0.000	0.265	0.008	0.000	0.000	0.000
9:15	0.000	0.025	0.002	0.000	0.000	0.000	0.000	0.048	0.002	0.000	0.000	0.000
9:30	0.000	0.020	0.002	0.000	0.000	0.000	0.000	0.028	0.001	0.000	0.000	0.000
9:45	0.000	0.029	0.002	0.000	0.000	0.000	0.000	0.056	0.002	0.000	0.000	0.000
10:00	0.000	0.026	0.003	0.000	0.000	0.000	0.000	0.035	0.001	0.000	0.000	0.000
10:15	0.000	0.020	0.002	0.000	0.000	0.000	0.000	0.038	0.001	0.000	0.000	0.000
10:30	0.000	0.015	0.001	0.000	0.000	0.000	0.000	0.041	0.002	0.000	0.000	0.000
10:45	0.000	0.014	0.001	0.000	0.000	0.000	0.000	0.046	0.001	0.000	0.000	0.000
11:00	0.000	0.015	0.001	0.000	0.000	0.000	0.000	0.038	0.001	0.000	0.000	0.000
11:15	0.000	0.015	0.000	0.000	0.349	0.007	0.000	0.022	0.000	0.000	0.000	0.000
11:30	0.000	0.010	0.000	0.000	0.170	0.001	0.000	0.029	0.001	0.000	0.000	0.000

DAILY VOC REPORT
POWNAL TANNERY SITE

11:45	0.000	0.009	0.000	0.000	1.041	0.079	0.000	0.013	0.000	0.000	0.000	0.000
12:00	0.000	0.009	0.000	0.000	0.165	0.002	0.000	0.025	0.000	0.000	0.000	0.000
12:15	0.000	0.014	0.000	0.000	0.198	0.001	0.000	0.038	0.001	0.000	0.000	0.000
12:30	0.000	0.009	0.000	0.000	0.125	0.001	0.000	0.027	0.000	0.000	0.000	0.000
12:45	0.000	0.008	0.000	0.000	0.008	0.000	0.000	0.030	0.000	0.000	0.000	0.000
13:00	0.000	0.008	0.000	0.000	0.118	0.002	0.000	0.009	0.000	0.000	0.000	0.000
13:15	0.000	0.011	0.000	0.000	0.023	0.000	0.000	0.014	0.000	0.000	0.000	0.000
13:30	0.000	0.020	0.001	0.000	0.081	0.000	0.000	0.017	0.000	0.000	0.000	0.000
13:45	0.000	0.019	0.001	0.000	0.118	0.001	0.000	0.022	0.000	0.000	0.000	0.000
14:00	0.000	0.017	0.001	0.000	0.093	0.001	0.000	0.013	0.000	0.000	0.000	0.000
14:15	0.000	0.004	0.000	0.000	0.147	0.002	0.000	0.023	0.000	0.000	0.000	0.000
14:30	0.000	0.108	0.001	0.000	0.124	0.004	0.000	0.012	0.000	0.000	0.000	0.000
14:45	0.000	0.007	0.000	0.000	0.053	0.001	0.000	0.020	0.000	0.000	0.250	0.065
15:00	0.000	0.005	0.000	0.000	0.015	0.000	0.000	0.013	0.000	0.000	0.229	0.085
15:15	0.000	0.004	0.000	0.000	0.121	0.002	0.000	0.011	0.000	0.000	0.175	0.061
15:30	0.000	0.006	0.000	0.000	0.128	0.004	0.000	0.006	0.000	0.000	0.175	0.051
15:45	0.000	0.005	0.000	0.000	0.179	0.002	0.000	0.015	0.000	0.000	0.176	0.048
16:00	0.000	0.002	0.000	0.000	0.170	0.003	0.000	0.016	0.000	0.000	0.152	0.055
16:15	0.000	0.071	0.000	0.000	0.099	0.001	0.000	0.012	0.000	0.000	0.168	0.052
16:30	0.000(b)	0.108(b)	0.001(b)	0.000(b)	0.124(b)	0.004(b)	0.000(b)	0.012(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)
Daily Average	**0.001**			**0.003**			**0.001**			**0.017**		
Sampler Start Time	7:09 AM			7:17 AM			7:28 AM			7:01 AM		
Sampler End Time	16:16 PM			16:20 PM			16:25 PM			16:28 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

DAILY VOC REPORT
POWNAL TANNERY SITE

(d) This value represents less than the full number of data points necessary for averaging due to battery change on the instrument.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, April 28, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		0.006(b)	0.008(b)	0.007(b)	
7:30	0.008(b)	0.012(b)	0.009(b)		0.006(b)	0.006(b)	0.006(b)		(a)	(a)	(a)		0.007	0.008	0.008	
7:45	(f)	(f)	(f)		(f)	(f)	(f)		0.005(b)	0.008(b)	0.006(b)		0.004(e)	0.005(e)	0.005(e)	
8:00	0.008	0.008	0.008	0.008(b)	(f)	(f)	(f)	(f)	0.006(e)	0.011(e)	0.007(e)	0.007(b)	0.008	0.009	0.008	0.008(e)
8:15	0.007	0.008	0.008		(f)	(f)	(f)		(f)	(f)	(f)		0.008	0.010	0.008	
8:30	0.007	0.013	0.008		(f)	(f)	(f)		0.006(e)	0.006(e)	0.006(e)		0.007(e)	0.009(e)	0.008(e)	
8:45	0.005(e)	0.008(e)	0.007(e)		0.005(e)	0.006(e)	0.006(e)		0.006(e)	0.007(e)	0.006(e)		(f)	(f)	(f)	
9:00	0.003	0.015	0.008	0.007	0.005	0.006	0.006	0.006	0.006(e)	0.008(e)	0.007(e)	0.006	0.008(e)	0.008(e)	0.008(e)	0.008(e)
9:15	0.005	0.008	0.007		0.006(e)	0.006(e)	0.006(e)	0.006(e)	0.005	0.008	0.006		0.007	0.010	0.008	
9:30	0.006	0.009	0.007		(f)	(f)	(f)		0.006	0.007	0.006		0.007	0.009	0.008	
9:45	0.005	0.008	0.007		(f)	(f)	(f)		0.005	0.007	0.006		0.007	0.008	0.008	
10:00	0.005	0.010	0.007	0.007	0.005	0.006	0.006	0.006	0.005	0.008	0.006	0.006	0.006	0.008	0.007	0.007
10:15	0.005	0.007	0.006		0.005	0.006	0.006		0.005	0.008	0.006		0.006	0.011	0.008	
10:30	0.005	0.009	0.006		0.005	0.006	0.006		0.005	0.009	0.006		0.006	0.009	0.007	
10:45	0.005	0.009	0.006		0.005	0.006	0.006		0.004	0.008	0.006		0.006	0.008	0.007	
11:00	0.005	0.008	0.006	0.006	0.005	0.006	0.005	0.006	0.005	0.008	0.006	0.006	0.006	0.009	0.007	0.007
11:15	0.004	0.007	0.006		0.005	0.006	0.005		0.005	0.008	0.006		0.006	0.010	0.007	
11:30	0.005	0.007	0.006		0.005	0.006	0.006		0.005	0.008	0.006		0.006	0.007	0.007	
11:45	0.005	0.012	0.007		0.005	0.015	0.006		0.005	0.007	0.006		0.007	0.007	0.007	
12:00	0.005	0.011	0.007	0.007	0.005	0.008	0.006	0.006	0.005	0.007	0.006	0.006	0.006	0.008	0.007	0.007
12:15	0.005	0.009	0.006		0.004	0.007	0.005		0.005	0.006	0.006		0.006	0.008	0.007	
12:30	0.005	0.015	0.007		0.005	0.006	0.006		0.004	0.006	0.005		0.006	0.007	0.007	
12:45	0.005	0.012	0.007		0.005	0.007	0.006		0.006	0.008	0.006		0.006	0.008	0.007	
13:00	0.005	0.011	0.007	0.007	0.005	0.009	0.007	0.007	0.006	0.007	0.006	0.006	0.007	0.009	0.007	0.007
13:15	0.006	0.009	0.007		0.005	0.007	0.007		0.006	0.007	0.006		0.007	0.008	0.007	
13:30	0.007	0.008	0.007		0.007	0.007	0.007		0.006	0.007	0.007		0.007	0.010	0.007	
13:45	0.007	0.008	0.007		0.006	0.008	0.007		0.006	0.007	0.006		0.007	0.009	0.007	
14:00	0.007	0.008	0.008	0.008	0.006	0.008	0.007	0.007	0.006	0.007	0.006	0.006	0.007	0.009	0.008	0.008
14:15	0.007	0.008	0.008		0.007	0.007	0.007		0.006	0.007	0.006		0.007	0.008	0.007	
14:30	0.008	0.008	0.008		0.007	0.008	0.007		0.006	0.007	0.007		0.007	0.008	0.007	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

14:45	0.007	0.009	0.008		0.006	0.008	0.007		0.007	0.009	0.007		0.007	0.009	0.008	
15:00	0.007	0.008	0.008	0.008	0.006	0.009	0.007	0.007	0.006	0.016	0.007	0.007	0.007	0.009	0.008	0.008
15:15	0.008	0.009	0.008		0.007	0.009	0.008		0.006	0.007	0.007		0.007	0.009	0.008	
15:30	0.007	0.009	0.008		0.007	0.008	0.007		0.006	0.010	0.007		0.007	0.009	0.008	
15:45	0.007	0.009	0.008		0.007	0.008	0.008		0.007	0.009	0.008		0.007	0.009	0.008	
16:00	0.008	0.010	0.009	0.009	0.007	0.009	0.008	0.008	0.006	0.009	0.007	0.008	0.007	0.009	0.008	0.008
16:15	0.008	0.010	0.009		0.007	0.009	0.008		0.007	0.010	0.008		0.008	0.009	0.008	
16:30	0.009(b)	0.009(b)	0.009(b)		0.007(b)	0.009(b)	0.008(b)		0.007	0.008	0.008		0.007	0.010	0.009	
16:45	(c)	(c)	(c)		(c)	(c)	(c)		0.008	0.010	0.009		0.008	0.014	0.011	
17:00	(c)	(c)	(c)	0.009(b)	(c)	(c)	(c)	0.008(b)	0.008	0.009	0.008	0.009	0.008	0.010	0.009	0.010
17:15	(c)	(c)	(c)		(c)	(c)	(c)		0.007	0.009	0.008		0.009	0.012	0.010	
17:30	(c)	(c)	(c)		(c)	(c)	(c)		0.007	0.009	0.008		0.009	0.009	0.009	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		0.008	0.009	0.009		0.009	0.009	0.009	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	0.008(b)	0.009(b)	0.009(b)	0.009(b)	0.008(b)	0.009(b)	0.009(b)	0.009(b)
Daily Average	**0.007**				**0.007**				**0.007**				**0.010**			
Sampler Start Time	7:15 AM				7:23 AM				7:34 AM				7:03 AM			
Sampler End Time	4:16 PM				4:22 PM				5:53 PM				5:59 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change on the instrument.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, April 28, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	(a)	1.0(b)	2.9(b)	45.7(b)
8:00	(a)	0.8	2.7	48.3
8:30	(a)	1.1	2.7	51.4
9:00	3.5(b)	1.6	2.8	49.2
9:30	2.7	1.2	2.4	48.5
10:00	2.3	1.3	2.4	48.0
10:30	2.1	1.1	3.0	48.7
11:00	1.7	0.9	2.3	48.2
11:30	1.6	0.7	2.6	48.8
12:00	1.9	1.1	3.0	48.5
12:30	1.8	0.7	2.0	47.9
13:00	2.8	0.6	1.8	47.7
13:30	3.4	1.1	3.0	50.0
14:00	4.0	1.4	3.7	50.1
14:30	5.9	2.1	4.1	51.4
15:00	6.1	2.7	4.3	57.0(e)
15:30	6.3	2.3	4.4	53.2
16:00	7.3	2.5	5.0	49.6
16:30	6.3(b)	2.9(b)	4.3(b)	49.3
17:00	(c)	(c)	(c)	50.9(b)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**3.7**	**1.4**	**3.1**	**49.6**
Sampler Start Time	8:59 AM	7:20 AM	7:25 AM	7:03 AM
Sampler End Time	16:17 PM	16:24 PM	16:25 PM	16:31 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change on the instrument.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

(e) Relatively high value but did not exceed the action limit. Station 4 is adjacent to Lagoon 1 where site activity was occurring today.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, April 29, 2004**

1) Exceedances:
An appparent exceedance of the particulate action limit occured at monitoring station DR2 in the afternnoon. The value, however, is based on only the first three minutes of data for the final 30-minute period before monitoring stopped for the day. The value is not representative of ambient conditions and occurred after work had stopped at the site. Likely related to local dust generated by technicians when collecting the monitors.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturers spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturers spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturers spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 68°F
Average wind speed: 3.95 MPH
Predominant wind direction: SW

5) Site Activity:

Start Time:	7:40 AM
Stop Time:	2:30 PM
Description:	Installed curve piping on perimeter access road. Construction of air monitoring shelters. Excavation of remaining clean berm material. Approximately 320 tons from adjacent to the access road. Site housekeeping. No intrusive work in the exclusion zone.

6) Other:
(a) A relatively high value was recorded at D2 that appears to be related to manure spreading in an adjacent farm field. There was no other apparent source. Manure odor in the area was very strong.

(b) The equipment ran very well today. Field data recordkeeping continues to improve to maintain a very clear action record.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, April 29, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.180(b)	0.036(b)
7:15	0.000(b)	0.099(b)	0.007(b)	0.000(b)	0.030(b)	0.001(b)	(a)	(a)	(a)	0.000	0.233	0.054
7:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000(b)	0.150(b)	0.045(b)	0.000	0.197	0.051
7:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.212	0.059	0.000	0.168	0.055
8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.170	0.043	0.000	0.162	0.046
8:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.155	0.046	0.000	0.178	0.040
8:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.162	0.046	0.000	0.152	0.043
8:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.171	0.042	0.000	0.132	0.034
9:00	0.000	0.032	0.000	0.000	0.000	0.000	0.000	0.170	0.044	0.000	0.121	0.032
9:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.151	0.046	0.000	0.092	0.027
9:30	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.154	0.051	0.000	0.130	0.025
9:45	0.000	0.000	0.000	0.000	0.041	0.000	0.000	0.161	0.049	0.000	0.136	0.025
10:00	0.000	0.389	0.004	0.000	0.234	0.004	0.000	0.211	0.061	0.000	0.131	0.027
10:15	0.000	0.252	0.006	0.000	0.051	0.001	0.000	0.210	0.057	0.000	0.117	0.031
10:30	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.186	0.057	0.000	0.124	0.036
10:45	0.000	0.000	0.000	0.000	0.183	0.004	0.000	0.197	0.060	0.000	0.122	0.037
11:00	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.183	0.059	0.000	0.098	0.025
11:15	0.000	0.045	0.001	0.000	0.000	0.000	0.000	0.165	0.059	0.000	0.098	0.016
11:30	0.000	0.163	0.003	0.000	0.000	0.000	0.000	0.164	0.057	0.000	0.079	0.016
11:45	0.000	0.035	0.000	0.000	0.000	0.000	0.000	0.180	0.057	0.000	0.101	0.015
12:00	0.000	0.070	0.001	0.000	0.001	0.000	0.000	0.166	0.056	0.000	0.113	0.022
12:15	0.000	0.008	0.000	0.000	0.024	0.000	0.000	0.164	0.062	0.000	0.113	0.022
12:30	0.000	0.019	0.000	0.000	0.000	0.000	0.000	0.177	0.066	0.000	0.121	0.027
12:45	0.000	0.023	0.000	0.000	0.000	0.000	0.000	0.179	0.065	0.000	0.134	0.030

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, April 29, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.177	0.058	0.000	0.147	0.031
13:15	0.000	0.000	0.000	0.000	**4.665(f)**	0.049	0.000	0.176	0.053	0.000	0.129	0.036
13:30	0.000	0.000	0.000	0.000	0.294	0.006	0.000	0.173	0.055	0.000	0.153	0.042
13:45	0.000	0.004	0.000	0.000(e)	0.393(e)	0.025(e)	0.000	0.184	0.055	0.000	0.162	0.046
14:00	0.000	0.007	0.000	0.000	0.004	0.000	0.000	0.184	0.057	0.000	0.186	0.053
14:15	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.183	0.056	0.000	0.135	0.047
14:30	0.000	0.043	0.000	0.000	0.000	0.000	0.000	0.202	0.055	0.000	0.187	0.045
14:45	0.000	0.021	0.001	0.000	0.000	0.000	0.000	0.173	0.060	0.000	0.150	0.050
15:00	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.165	0.056	0.000	0.187	0.051
15:15	0.000	0.015	0.000	0.000	0.004	0.000	0.000	0.172	0.055	0.000	0.202	0.066
15:30	0.000	0.042	0.000	0.000(e)	0.000(e)	0.000(e)	0.000	0.170	0.056	0.000	0.209	0.073
15:45	0.000	0.031	0.001	0.000	0.000	0.000	0.000	0.188	0.056	0.000	0.190	0.074
16:00	0.000(b)	0.022(b)	0.000(b)	0.000	0.000	0.000	0.000	0.203	0.056	0.000	0.220	0.073
16:15	(c)	(c)	(c)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.169(b)	0.062(b)	0.000	0.203	0.061
16:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	0.000(b)	0.167(b)	0.065(b)
Daily Average	**0.001**			**0.002**			**0.055**			**0.040**		
Sampler Start Time	7:04 AM			7:12 AM			7:21 AM			6:55 AM		
Sampler End Time	16:01 PM			16:06 PM			16:14 PM			16:19 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change on the instrument.

(e) This value represents less than the fulll number of points necessery for averaging due to briefly pausing the datalogger in the field to view the logged data file.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, April 29, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		

(f) A relatively high value that appears to be related to manure spreading in an adjacent farm field. There was no other apparent source. Manure odor in the area was very strong.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, April 29, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.004(b)	0.004(b)	0.004(b)	0.004(b)
7:15	0.005(b)	0.000	0.007(b)		(a)	(a)	(a)		(a)	(a)	(a)		0.003	0.011	0.005	
7:30	0.005	0.010	0.007		0.005(b)	0.008(b)	0.007(b)		0.006(b)	0.008(b)	0.007(b)		0.006	0.011	0.008	
7:45	0.008	0.010	0.009		0.008	0.015	0.010		0.005	0.008	0.007		0.007	0.011	0.009	
8:00	0.009	0.011	0.010	0.010(b)	0.008	0.011	0.010	0.009(b)	0.006	0.008	0.008	0.007(b)	0.009	0.010	0.010	0.009
8:15	0.010	0.017	0.012		0.008	0.010	0.009		0.008	0.008	0.008		0.009	0.010	0.010	
8:30	0.009	0.010	0.009		0.007	0.010	0.009		0.008	0.008	0.008		0.008	0.009	0.009	
8:45	0.009	0.012	0.010		0.008	0.010	0.009		0.005	0.014	0.008		0.008	0.009	0.009	
9:00	0.009	0.013	0.011	0.010	0.007	0.010	0.009	0.009	0.007	0.009	0.008	0.008	0.008	0.010	0.009	0.009
9:15	0.009	0.012	0.010		0.008	0.014	0.009		0.007	0.009	0.008		0.008	0.009	0.009	
9:30	0.010	0.012	0.010		0.008	0.009	0.009		0.007	0.009	0.008		0.008	0.009	0.008	
9:45	0.009	0.010	0.010		0.008	0.009	0.008		0.007	0.009	0.008		0.007	0.009	0.008	
10:00	0.006	0.029	0.010	0.009	0.005	0.009	0.007	0.008	0.005	0.008	0.006	0.007	0.005	0.008	0.007	0.007
10:15	0.006	0.010	0.008		0.006	0.009	0.008		0.005	0.008	0.007		0.004	0.009	0.007	
10:30	0.008	0.010	0.009		0.007	0.009	0.008		0.006	0.009	0.007		0.007	0.009	0.008	
10:45	0.010	0.012	0.010		0.006	0.009	0.008		0.006	0.009	0.008		0.005	0.009	0.008	
11:00	0.008	0.010	0.010	0.010	0.007	0.010	0.009	0.008	0.007	0.009	0.008	0.008	0.006	0.009	0.008	0.008
11:15	0.009	0.012	0.010		0.007	0.009	0.008		0.008	0.010	0.009		0.008	0.009	0.009	
11:30	0.009	0.012	0.011		0.008	0.009	0.008		0.008	0.009	0.008		0.008	0.009	0.009	
11:45	0.009	0.012	0.010		0.008	0.011	0.009		0.008	0.010	0.009		0.008	0.010	0.009	
12:00	0.010	0.013	0.011	0.011	0.009	0.010	0.010	0.009	0.007	0.029	0.010	0.009	0.008	0.010	0.009	0.009
12:15	0.011	0.013	0.012		0.008	0.010	0.009		0.008	0.010	0.009		0.008	0.010	0.009	
12:30	0.010	0.013	0.012		0.008	0.010	0.009		0.008	0.010	0.009		0.008	0.009	0.009	
12:45	0.011	0.013	0.012		0.008	0.013	0.009		0.009	0.009	0.009		0.009	0.009	0.009	
13:00	0.010	0.015	0.012	0.011	0.001	0.009	0.007	0.009	0.008	0.018	0.010	0.010	0.008	0.010	0.009	0.009
13:15	0.008	0.012	0.011		0.007	0.010	0.009		0.009	0.010	0.010		0.009	0.011	0.010	
13:30	0.010	0.013	0.011		0.005	0.009	0.009		0.009	0.010	0.010		0.008	0.009	0.009	
13:45	0.010	0.012	0.011		0.003	0.010	0.009		0.009	0.010	0.009		0.008	0.017	0.010	
14:00	0.009	0.012	0.010	0.011	0.008	0.010	0.009	0.008	0.009	0.014	0.010	0.010	0.008	0.010	0.009	0.011
14:15	0.010	0.011	0.010		0.000	0.010	0.008		0.009	0.010	0.010		0.008	0.014	0.010	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, April 29, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
14:30	0.009	0.011	0.010		0.000	0.008	0.006		0.008	0.010	0.009		0.009	0.020	0.015	
14:45	0.010	0.011	0.010		0.000	0.010	0.006		0.009	0.010	0.009		0.008	0.015	0.009	
15:00	0.005	0.011	0.010	0.010	0.000	0.008	0.005	0.007	0.008	0.010	0.009	0.009	0.008	0.012	0.009	0.009
15:15	0.010	0.012	0.010		0.008	0.009	0.008		0.009	0.010	0.009		0.008	0.022	0.010	
15:30	0.010	0.013	0.010		0.000	0.009	0.007		0.009	0.010	0.009		0.008	0.010	0.009	
15:45	0.010	0.012	0.010		0.000	0.009	0.007		0.008	0.010	0.009		0.008	0.009	0.009	
16:00	0.010	0.011	0.010	0.010	0.007	0.010	0.008	0.008	0.009	0.010	0.009	0.009	0.008	0.010	0.009	0.009
16:15	0.010(b)	0.011(b)	0.010(b)		0.008	0.009	0.008		0.009(b)	0.010(b)	0.009(b)		0.008	0.010	0.009	
16:30	(c)	(c)	(c)		0.007(b)	0.009(b)	0.008(b)		(c)	(c)	(c)		0.009(b)	0.010(b)	0.009(b)	
16:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:00	(c)	(c)	(c)	0.010(b)	(c)	(c)	(c)	0.008(b)	(c)	(c)	(c)	0.009(b)	(c)	(c)	(c)	0.009(b)
17:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.010**				**0.008**				**0.009**				**0.009**			
Sampler Start Time	7:09 AM				7:17 AM				7:24 AM				7:00 AM			
Sampler End Time	4:03 PM				4:10 PM				4:15 PM				4:22 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was completed at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change on the instrument.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, April 29, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	7.3(b)
7:30	30.1(b)	4.7(b)	4.3(b)	7.3
8:00	12.4	7.2	4.8	9.0
8:30	12.4	9.3	5.2	9.0
9:00	14.6	8.2	5.1	7.8
9:30	12.7	7.5	4.8	7.3
10:00	24.3	5.8	4.7	7.5
10:30	14.4	6.1	5.0	7.3
11:00	14.0	6.5	5.6	7.2
11:30	12.9	5.4	4.8	6.2
12:00	14.4	5.5	4.5	5.7
12:30	12.5	3.8	3.8	3.9
13:00	15.7	4.3	3.7	3.6
13:30	23.4	3.2	4.3	3.3
14:00	16.7	2.9	4.1	2.6
14:30	15.3	3.0	3.9	3.0
15:00	19.8	3.7	4.1	3.4(d)
15:30	24.4	3.2	4.1	5.0(d)
16:00	24.9	3.6	4.2	4.6
16:30	105.6(b)(e)	4.0(b)	4.0(b)	4.2(b)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**17.9**	**5.2**	**4.5**	**5.7**
Sampler Start Time	7:04 AM	7:14 AM	7:20 AM	6:54 AM
Sampler End Time	16:03 PM	16:10 PM	16:14 PM	16:23 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change on the instrument.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

(e) An appparent exceedance of the particulate action limit. The value, however, is based on only the first three minutes of data for the final 30-minute period before monitoring stopped for the day. The value is not representative of ambient conditions and occurred after work had stopped at the site. Likely related to local dust generated by technicians when collecting the monitors.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, April 30, 2004**

1) Exceedances:
There were no exceedances on April 30, 2004.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturer's specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturers spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturers spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturers spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 75°F
Average wind speed: 2.3 MPH
Predominant wind direction: SW

5) Site Activity:

Start Time:	7:30 AM
Stop Time:	5:00 PM
Description:	Stabilized sludge, applied portland cement, and excavated stabilized material.

6) Other:
(a) A relatively high value was recorded at V1 and V3 that appears to be caused by the technician's sleeve covering the intake to the monitor.

(b) The equipment ran well today. Field data recordkeeping continues to improve to maintain a very clear action record.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, April 30, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			**V2**			**V3**			**V4**		
	Downwind			**Downwind**			**Upwind**			**Downwind**		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			**ppm**			**ppm**			**ppm**		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.000(b)	0.051(b)	0.013(b)	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.364(b)	0.109(b)
7:15	0.000	0.039	0.004	0.000	0.181	0.002	0.000(b)	**5.048(b)(e)**	0.627(b)	0.000	0.578	0.142
7:30	0.000	0.087	0.009	0.000	0.000	0.000	0.000	0.718	0.119	0.000	0.257	0.077
7:45	0.000	0.128	0.012	0.000	0.000	0.000	0.000	0.235	0.069	0.000	0.240	0.075
8:00	0.000	0.073	0.008	0.000	0.009	0.000	0.000	0.242	0.062	0.000	0.231	0.063
8:15	0.000	0.481	0.010	0.000	0.046	0.001	0.000	0.210	0.060	0.000	0.220	0.057
8:30	0.000	0.048	0.004	0.000	0.051	0.001	0.000	0.693	0.069	0.000	0.193	0.059
8:45	0.000	0.104	0.007	0.000	0.017	0.000	0.000	0.204	0.060	0.000	0.229	0.048
9:00	0.000	0.058	0.005	0.000	0.032	0.000	0.000	0.308	0.055	0.000	0.195	0.046
9:15	0.000	0.039	0.001	0.000	0.189	0.002	0.000	0.175	0.051	0.000	0.149	0.035
9:30	0.000	0.019	0.001	0.000	0.046	0.001	0.000	0.161	0.047	0.000	0.133	0.035
9:45	0.000	0.046	0.001	0.000	0.039	0.001	0.000	0.176	0.048	0.000	0.175	0.034
10:00	0.000	0.067	0.005	0.000	0.051	0.002	0.000	0.173	0.048	0.000	0.266	0.046
10:15	0.000	0.073	0.011	0.000	0.057	0.003	0.000	0.169	0.048	0.000	0.271	0.074
10:30	0.000	0.103	0.008	0.000	0.071	0.002	0.000	0.160	0.049	0.000	0.278	0.073
10:45	0.000	0.453	0.054	0.000	0.278	0.022	0.000	0.162	0.041	0.000	0.748	0.096
11:00	0.000	0.083	0.014	0.000	0.226	0.004	0.000	0.160	0.042	0.000	0.337	0.106
11:15	0.000	0.084	0.004	0.000	0.069	0.000	0.000	0.163	0.044	0.000	0.242	0.063
11:30	0.000	**7.54(e)**	0.090	0.000	0.001	0.000	0.000	0.168	0.049	0.000	0.294	0.071
11:45	0.000	0.183	0.017	0.000	0.017	0.000	0.000	0.185	0.052	0.000	0.268	0.080
12:00	0.000	0.169	0.022	0.000	0.020	0.000	0.000	0.155	0.047	0.000	0.391	0.110
12:15	0.000	0.196	0.011	0.000	0.005	0.000	0.000	0.147	0.050	0.000	0.362	0.106
12:30	0.000	0.307	0.046	0.000	0.079	0.002	0.000	0.152	0.046	0.000	0.434	0.164
12:45	0.000	0.268	0.036	0.000	0.023	0.000	0.000	0.189	0.051	0.005	0.627	0.153

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, April 30, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
13:00	0.000	0.218	0.029	0.000	0.142	0.008	0.000	0.161	0.049	0.002	0.445	0.142
13:15	0.000	0.191	0.018	0.000	0.049	0.000	0.000	0.135	0.044	0.000	0.408	0.132
13:30	0.000	0.281	0.032	0.000	0.042	0.003	0.000	0.183	0.050	0.000	0.513	0.143
13:45	0.000	0.318	0.021	0.000	0.003	0.000	0.000	0.146	0.044	0.007	0.518	0.144
14:00	0.000	0.076	0.010	0.000	0.000	0.000	0.000	0.162	0.045	0.000	0.512	0.126
14:15	0.000	0.137	0.010	0.000	0.000	0.000	0.000	0.155	0.046	0.000	0.376	0.135
14:30	0.000	0.105	0.012	0.000	0.003	0.000	0.000	0.169	0.049	0.000	0.290	0.114
14:45	0.000	0.112	0.011	0.000	0.013	0.000	0.000	0.184	0.044	0.016	0.421	0.134
15:00	0.000	0.286	0.037	0.000	0.091	0.002	0.000	0.169	0.049	0.017	0.601	0.220
15:15	0.000	0.181	0.035	0.000	0.024	0.000	0.000	0.145	0.042	0.169	0.473	0.247
15:30	0.000	0.308	0.046	0.000	0.031	0.000	0.000	0.184	0.047	0.193	0.688	0.265
15:45	0.000	0.131	0.022	0.000	0.033	0.000	0.000	0.170	0.041	0.233	0.491	0.290
16:00	0.000	0.254	0.029	0.000	0.136	0.005	0.000	0.147	0.043	0.311	0.549	0.374
16:15	0.000	0.134	0.025	0.000	0.021	0.000	0.000	0.173	0.035	0.292	0.604	0.362
16:30	0.000	0.151	0.017	0.000	0.013	0.000	0.000	0.130	0.040	0.335	0.615	0.391
16:45	0.000	0.078	0.017	0.000	0.000	0.000	0.000	0.153	0.040	0.390	1.072	0.500
17:00	0.000	0.135	0.016	0.000	0.000	0.000	0.000	0.154	0.037	0.395	0.727	0.448
17:15	0.000	0.151	0.016	0.000	0.000	0.000	0.000	0.170	0.039	0.339	0.472	0.383
17:30	(c)	(c)	(c)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.156(b)	0.039(b)	0.258(b)	0.395(b)	0.303(b)
Daily Average	**0.019**			**0.002**			**0.053**			**0.157**		
Sampler Start Time	6:57 AM			7:01 AM			7:12 AM			6:47 AM		
Sampler End Time	17:15 PM			17:18 PM			17:25 PM			17:27 PM		

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, April 30, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change on the instrument.

(e) This value is relatively high due to one high minute value. It is not related to any exceedance.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, April 30, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	0.003(b)	0.003(b)	0.003(b)	0.006(b)	(a)	(a)	(a)	0.006(b)	(a)	(a)	(a)	0.005(b)	0.001(b)	0.003(b)	0.002(b)	0.008(b)
7:15	0.003	0.009	0.005		0.004(b)	0.008(b)	0.006(b)		(a)	(a)	(a)		0.003	0.015	0.009	
7:30	0.004	0.027	0.009		0.004	0.008	0.006		0.003(b)	0.006(b)	0.005(b)		0.010	0.015	0.012	
7:45	0.010	0.016	0.012		0.005	0.010	0.007		0.003	0.007	0.006		0.008	0.010	0.009	
8:00	0.008	0.013	0.011	0.011	0.007	0.011	0.009	0.008	0.005	0.008	0.006	0.007	0.007	0.011	0.009	0.009
8:15	0.009	0.013	0.011		0.007	0.010	0.009		0.005	0.009	0.007		0.008	0.010	0.008	
8:30	0.009	0.012	0.010		0.007	0.010	0.008		0.007	0.009	0.008		0.007	0.009	0.008	
8:45	0.009	0.013	0.011		0.007	0.011	0.008		0.008	0.01	0.009		0.007	0.009	0.008	
9:00	0.009	0.013	0.011	0.011	0.008	0.010	0.009	0.009	0.009	0.009	0.009	0.009	0.008	0.010	0.009	0.009
9:15	0.011	0.013	0.011		0.006	0.010	0.009		0.008	0.010	0.009		0.009	0.011	0.010	
9:30	0.011	0.012	0.011		0.009	0.015	0.010		0.009	0.010	0.010		0.008	0.011	0.009	
9:45	0.011	0.013	0.012		0.009	0.012	0.010		0.009	0.011	0.010		0.009	0.012	0.010	
10:00	0.011	0.015	0.012	0.013	0.009	0.033	0.012	0.012	0.009	0.010	0.009	0.009	0.008(e)	0.019(e)	0.011(e)	0.013(e)
10:15	0.012	0.017	0.014		0.008	0.019	0.012		0.000	0.011	0.008		0.010	0.029	0.015	
10:30	0.011	0.021	0.012		0.006	0.015	0.012		0.009	0.011	0.010		0.011	0.021	0.014	
10:45	0.011	0.031	0.015		0.007	0.027	0.015		0.010	0.011	0.011		0.011	0.027	0.015	
11:00	0.012	0.016	0.013	0.014	0.009	0.020	0.012	0.012	0.010	0.012	0.011	0.011	0.012	0.023	0.017	0.015
11:15	0.012	0.013	0.013		0.008	0.012	0.011		0.010	0.012	0.011		0.007	0.018	0.014	
11:30	0.012	0.017	0.013		0.009	0.013	0.011		0.010	0.013	0.012		0.011	0.014	0.012	
11:45	0.012	0.016	0.013		0.010	0.012	0.011		0.011	0.013	0.012		0.011	0.016	0.012	
12:00	0.013	0.032	0.015	0.014	0.010	0.013	0.012	0.011	0.011	0.014	0.012	0.012	0.011	0.019	0.013	0.013
12:15	0.013	0.016	0.014		0.009	0.012	0.011		0.010	0.013	0.012		0.011	0.017	0.013	
12:30	0.013	0.018	0.014		0.011	0.012	0.012		0.010	0.013	0.012		0.011	0.017	0.013	
12:45	0.013	0.017	0.014		0.010	0.013	0.012		0.011	0.013	0.012		0.012	0.017	0.014	
13:00	0.012	0.018	0.014	0.014	0.011	0.015	0.012	0.012	0.010	0.013	0.012	0.012	0.011	0.023	0.014	0.014
13:15	0.012	0.018	0.014		0.011	0.014	0.012		0.010	0.013	0.012		0.011	0.021	0.014	
13:30	0.013	0.016	0.014		0.011	0.015	0.012		0.009	0.013	0.012		0.012	0.023	0.014	
13:45	0.012	0.016	0.014		0.011	0.012	0.012		0.011	0.013	0.012		0.012	0.016	0.013	
14:00	0.012	0.018	0.013	0.013	0.011	0.012	0.012	0.012	0.011	0.013	0.012	0.012	0.011	0.017	0.013	0.013
14:15	0.012	0.014	0.013		0.011	0.013	0.012		0.011	0.013	0.012		0.011	0.023	0.014	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, April 30, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
14:30	0.011	0.015	0.013		0.011	0.013	0.012		0.011	0.013	0.012		0.011	0.017	0.012	
14:45	0.013	0.023	0.014		0.011	0.013	0.012		0.011	0.015	0.013		0.010	0.015	0.012	
15:00	0.013	0.024	0.016	0.015	0.010	0.013	0.011	0.011	0.011	0.013	0.011	0.012	0.010	0.036	0.017	0.015
15:15	0.013	0.020	0.015		0.010	0.015	0.011		0.010	0.012	0.011		0.011	0.032	0.017	
15:30	0.012	0.020	0.015		0.010	0.013	0.011		0.010	0.012	0.011		0.012	0.026	0.014	
15:45	0.012	0.034	0.014		0.010	0.012	0.010		0.010	0.012	0.011		0.012	0.027	0.015	
16:00	0.012	0.013	0.012	0.013	0.010	0.013	0.010	0.011	0.011	0.012	0.011	0.011	0.011	0.017	0.013	0.013
16:15	0.012	0.016	0.013		0.010	0.011	0.010		0.011	0.012	0.011		0.011	0.020	0.014	
16:30	0.012	0.015	0.012		0.010	0.013	0.011		0.011	0.012	0.011		0.011	0.018	0.013	
16:45	0.012	0.014	0.012		0.010	0.012	0.011		0.010	0.012	0.011		0.011	0.017	0.013	
17:00	0.011	0.014	0.012	0.012(b)	0.010	0.012	0.011	0.011(b)	0.010	0.013	0.011	0.011(b)	0.011	0.017	0.013	0.012
17:15	0.012	0.013	0.013		0.010	0.012	0.011		0.010	0.013	0.011		0.010	0.013	0.011	
17:30	0.012(b)	0.013(b)	0.013(b)		0.011(b)	0.011(b)	0.011(b)		0.009(b)	0.013(b)	0.011(b)		0.009	0.011	0.011	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.013**				**0.011**				**0.011**				**0.012**			
Sampler Start Time	6:59 AM				7:07 AM				7:21 AM				6:51 AM			
Sampler End Time	5:17 PM				5:22 PM				5:26 PM				5:30 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was completed at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change on the instrument.
(e) This value represents less than the full number of data points necessary for averaging due to the instrument being shut off by the technician.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, April 30, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	27.6(b)	(a)	(a)	18.7(b)
7:30	36.3	18.1(b)	11.3(b)	19.6
8:00	38.8	18.2	11.5	18.0
8:30	34.6	40.6	10.9	18.0
9:00	45.6	21.8	10.8	25.0
9:30	23.8	19.2	9.9	15.7
10:00	23.7	18.4	9.6	18.4
10:30	27.8	24.1	9.5	34.5
11:00	34.1	20.6	9.5	18.5
11:30	20.7	11.2	9.1	0.9
12:00	23.9	10.4	9.2	1.3
12:30	21.6	9.9	9.3	2.0
13:00	44.6	17.5	9.1	16.9
13:30	35.6	12.2	8.7	6.5
14:00	32.6	7.1	8.4	11.7
14:30	29.0	7.2	8.5(d)	25.7
15:00	27.9	9.8	8.8(d)	15.9
15:30	28.1	12.6	6.5	3.7
16:00	22.2	9.6	7.0	2.7
16:30	20.3	6.8	7.3	0.4
17:00	18.3	6.1	6.2	0.1
17:30	18.7(b)	6.0(b)	6.0(b)	0.7
18:00	(a)	(a)	(a)	0.0(b)
Daily Average	**29.2**	**14.8**	**9.0**	**0.1**
Sampler Start Time	7:04 AM	7:02 AM	7:09 AM	6:50 AM
Sampler End Time	17:16 PM	17:21 PM	17:10 PM	17:33 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to low battery and unit change.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, May 3, 2004**

1) Exceedances:
No exceedances of the action limits for VOC, H2S or Particulate Matter were reported.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 48°F
Average wind speed: 2.8 MPH
Predominant wind direction: NE
Rainy

5) Site Activity:

Start Time:	7:30 AM
Stop Time:	4:30 AM
Description:	Stabilized sludge, excavated stabilized material, applied Portland cement.

6) Other:
(a) A Source 2 failure occurred with DR4 requiring the instrument (DR4000) to be replaced with a new instrument (DR2000). The new instrument then experienced battery failure, and a third replacement instrument (DR2000) was installed. It was then noted that the instrument was not properly logging data. The instrument was turned off, started again and began to properly log data.

(b) A lamp failure occurred on V4, requiring an instrument replacement.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, May 3, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.317(b)	0.068(b)
7:15	0.000(b)	0.007(b)	0.000(b)	(a)	(a)	(a)	0.000(b)	0.095(b)	0.021(b)	0.000	0.263	0.087
7:30	0.000	0.011	0.000	0.000(b)	0.074(b)	0.001(b)	0.000	0.092	0.019	0.000	0.247	0.082
7:45	0.000	0.019	0.000	0.000	0.000	0.000	0.000	0.151	0.018	0.000	0.266	0.087
8:00	0.000	0.025	0.001	0.000	0.000	0.000	0.000	0.135	0.018	0.000	0.216	0.090
8:15	0.000	0.029	0.002	0.000	0.000	0.000	0.000	0.108	0.021	0.000	0.246	0.091
8:30	0.000	0.020	0.002	0.000	0.000	0.000	0.000	0.121	0.022	0.000	0.229	0.097
8:45	0.000	0.024	0.002	0.000	0.000	0.000	0.000	0.653	0.021	0.000	0.241	0.091
9:00	0.000	0.026	0.001	0.000	0.031	0.000	0.000	0.122	0.021	0.000	0.282	0.101
9:15	0.000	0.029	0.001	0.000	0.000	0.000	0.000	0.107	0.022	0.001	0.228	0.104
9:30	0.000	0.018	0.001	0.000	0.000	0.000	0.000	0.104	0.019	0.000	0.239	0.111
9:45	0.000	0.019	0.001	0.000	0.000	0.000	0.000	0.094	0.017	0.000	0.226	0.041
10:00	0.000	0.022	0.000	0.000	0.000	0.000	0.000	0.115	0.013	0.000	0.000	0.000
10:15	0.000	0.019	0.000	0.000	0.000	0.000	0.000	0.090	0.012	0.000	0.000	0.000
10:30	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.111	0.012	0.000	0.000	0.000
10:45	0.000	0.017	0.000	0.000	0.000	0.000	0.000	0.150	0.014	0.000	0.000	0.000
11:00	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.119	0.016	0.000	0.000	0.000
11:15	0.000	0.015	0.000	0.000	0.045	0.000	0.000	0.085	0.010	0.000	0.000	0.000
11:30	0.000	0.012	0.000	0.000	0.000	0.000	0.000	0.085	0.011	0.000	0.037	0.000
11:45	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.190	0.015	0.000	0.006	0.000
12:00	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.439	0.014	0.000	0.000	0.000
12:15	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.077	0.010	0.000	0.000	0.000
12:30	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.085	0.011	0.000	0.000	0.000
12:45	0.000	0.026	0.000	0.000	0.000	0.000	0.000	0.109	0.012	0.000	0.000	0.000
13:00	0.000	0.021	0.001	0.000	0.000	0.000	0.000	0.086	0.013	0.000	0.000	0.000
13:15	0.000	0.023	0.001	0.000	0.000	0.000	0.000	0.084	0.013	0.000	0.000	0.000
13:30	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.118	0.015	0.000	0.005	0.000
13:45	0.000	0.016	0.000	0.000	0.011	0.000	0.000	0.103	0.013	0.000	0.000	0.000
14:00	0.000	0.019	0.001	0.000	0.000	0.000	0.000	0.139	0.014	0.000	0.000	0.000
14:15	0.000	0.017	0.001	0.000	0.000	0.000	0.000	0.192	0.015	0.000	0.000	0.000
14:30	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.098	0.016	0.000	0.000	0.000

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, May 3, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
14:45	0.000	0.020	0.001	0.000	0.000	0.000	0.000	0.226	0.017	0.000(d)	0.104(d)	0.001(d)
15:00	0.000	0.028	0.001	0.000	0.000	0.000	0.000	0.129	0.016	0.000	0.426	0.016
15:15	0.000	0.021	0.000	0.000	0.000	0.000	0.000	0.112	0.016	0.000	0.252	0.001
15:30	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.107	0.016	0.000	0.032	0.000
15:45	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.099	0.015	0.000	0.167	0.003
16:00	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.439	0.022	0.000	0.094	0.000
16:15	0.000(d)	0.016(d)	0.001(d)	0.000	0.000	0.000	0.000	0.102	0.018	0.000	0.000	0.000
16:30	0.000(d)	0.137(d)	0.001(d)	0.000	0.000	0.000	0.000	0.090	0.016	0.000	0.000	0.000
16:45	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.125	0.017	0.000	0.000	0.000
17:00	0.000	0.116	0.001	0.000	0.000	0.000	0.000	0.096	0.015	0.000	0.000	0.000
17:15	0.000	0.019	0.000	0.000	0.000	0.000	0.000	0.114	0.013	0.000(b)	0.000(b)	0.000(b)
17:30	0.000	0.137	0.007	0.000	0.000	0.000	0.000	0.203	0.019	(c)	(c)	(c)
17:45	0.000	0.061	0.009	0.000	0.000	0.000	0.000	0.040	0.001	(c)	(c)	(c)
18:00	0.001(b)	0.058(b)	0.026(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.109(b)	0.020(b)	(c)	(c)	(c)
Daily Average	**0.001**			**0.000**			**0.016**			**0.025**		
Sampler Start Time	7:06 AM			7:22 AM			7:15 AM			6:58 AM		
Sampler End Time	17:46 PM			17:46 PM			17:50 PM			17:04 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check or instrument change-out.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, May 3, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.003(b)	0.003(b)	0.003(b)		(a)	(a)	(a)		(a)	(a)	(a)		0.001(b)	0.008(b)	0.003(b)	
7:30	0.003	0.008	0.005		0.000(b)	0.004(b)	0.002(b)		0.002(b)	0.004(b)	0.003(b)		0.003	0.005	0.003	
7:45	0.003(e)	0.005(e)	0.004(e)		0.002	0.004	0.003		0.001	0.004	0.003		0.003(e)	0.005(e)	0.004(e)	
8:00	(f)	(f)	(f)	0.005(b)(e)	0.002	0.004	0.004	0.003(b)	0.003	0.004	0.004	0.003(b)	(f)	(f)	(f)	0.003(b)(e)
8:15	0.003(e)	0.005(e)	0.04(e)		0.003	0.004	0.004		0.003	0.006	0.004		0.005(e)	0.005(e)	0.005(e)	
8:30	0.003	0.007	0.005		0.003	0.004	0.004		0.003	0.007	0.004		0.003	0.008	0.006	
8:45	0.003	0.005	0.004		0.003	0.007	0.004		0.003	0.005	0.004		0.004	0.009	0.006	
9:00	0.003	0.005	0.004	0.004(e)	0.002	0.004	0.003	0.004	0.002	0.004	0.004	0.004	0.004	0.007	0.005	0.006(e)
9:15	0.003	0.005	0.004		0.003	0.004	0.004		0.002	0.004	0.004		0.004	0.013	0.007	
9:30	0.003	0.005	0.004		0.003	0.004	0.004		0.003	0.004	0.004		0.005	0.028	0.009	
9:45	0.003	0.005	0.004		0.002	0.004	0.003		0.003	0.004	0.004		0.005	0.035	0.012	
10:00	0.003	0.005	0.004	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004	0.005	0.009	0.007	0.007
10:15	0.003	0.005	0.004		0.003	0.004	0.003		0.004	0.007	0.004		0.004	0.007	0.005	
10:30	0.003	0.005	0.004		0.003	0.004	0.003		0.003	0.008	0.004		0.004	0.007	0.005	
10:45	0.003	0.004	0.004		0.002	0.004	0.003		0.004	0.008	0.005		0.003	0.005	0.004	
11:00	0.003	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.007	0.004	0.004	0.003	0.005	0.004	0.006
11:15	0.003	0.004	0.003		0.002	0.003	0.003		0.003	0.003	0.003		0.003	0.045	0.010	
11:30	0.003	0.004	0.003		0.002	0.003	0.003		0.003	0.003	0.003		0.004	0.007	0.005	
11:45	0.003	0.005	0.003		0.002	0.003	0.003		0.003	0.012	0.004		0.003	0.008	0.005	
12:00	0.003	0.005	0.004	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.004	0.004	0.020	0.008	0.007
12:15	0.003	0.005	0.004		0.002	0.004	0.003		0.003	0.005	0.004		0.005	0.009	0.007	
12:30	0.003	0.005	0.004		0.003	0.004	0.004		0.003	0.004	0.003		0.005	0.010	0.007	
12:45	0.003	0.005	0.004		0.003	0.004	0.004		0.003	0.006	0.004		0.004	0.009	0.006	
13:00	0.004	0.005	0.005	0.005	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.009	0.006	0.006
13:15	0.005	0.005	0.005		0.004	0.004	0.004		0.004	0.005	0.005		0.005	0.011	0.007	
13:30	0.004	0.006	0.005		0.004	0.005	0.004		0.004	0.006	0.005		0.005	0.009	0.007	
13:45	0.005	0.006	0.005		0.003	0.004	0.004		0.004	0.006	0.005		0.006	0.011	0.007	
14:00	0.005	0.012	0.006	0.006	0.004	0.005	0.004	0.004	0.005	0.006	0.005	0.006	0.005	0.009	0.007	0.008
14:15	0.005	0.006	0.005		0.004	0.008	0.004		0.005	0.007	0.006		0.005	0.008	0.007	
14:30	0.005	0.006	0.005		0.004	0.006	0.004		0.005	0.006	0.006		0.006	0.042	0.011	
14:45	0.005	0.007	0.006		0.004	0.005	0.004		0.005	0.006	0.006		0.006	0.030	0.012	
15:00	0.005	0.011	0.006	0.006	0.004	0.005	0.004	0.004	0.005	0.006	0.006	0.006	0.006	0.013	0.009	0.009
15:15	0.005	0.006	0.005		0.004	0.005	0.004		0.005	0.007	0.006		0.006	0.010	0.007	
15:30	0.005	0.006	0.005		0.004	0.005	0.004		0.005	0.006	0.006		0.006	0.010	0.008	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, May 3, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
15:45	0.004	0.006	0.005		0.004	0.005	0.004		0.005	0.006	0.005		0.009	0.020	0.014	
16:00	0.005	0.006	0.006	0.005	0.004	0.005	0.004	0.004	0.005	0.006	0.006	0.005	0.006	0.015	0.009	0.009
16:15	0.004	0.006	0.005		0.004	0.004	0.004		0.004	0.006	0.005		0.006	0.010	0.007	
16:30	0.005	0.005	0.005		0.004	0.004	0.004		0.005	0.006	0.005		0.005	0.009	0.007	
16:45	0.005	0.005	0.005		0.004	0.004	0.004		0.004	0.006	0.005		0.005	0.008	0.007	
17:00	0.004	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.005	0.007
17:15	0.004	0.005	0.005		0.003(b)	0.004(b)	0.004(b)		0.004(b)	0.005(b)	0.005(b)		0.005(b)	0.006(b)	0.005(b)	
17:30	0.005(b)	0.005(b)	0.005(b)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	0.005(b)	(c)	(c)	(c)	0.004(b)	(c)	(c)	(c)	0.005(b)	(c)	(c)	(c)	0.005(b)
Daily Average	**0.005**				**0.004**				**0.004**				**0.007**			
Sampler Start Time	7:08 AM				7:23 AM				7:17 AM				7:02 AM			
Sampler End Time	5:18 PM				5:12 PM				5:14 PM				5:05 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change on the instrument.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, May 3, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	2.3(b)
7:30	1.8(b)	1.2(b)	1.8(b)	2.5
8:00	2.5	0.8	1.5	4.9
8:30	3.6	1.8	2.7	8.8
9:00	4.6	3.1	3.4	4.3
9:30	6.9	4.0	4.7	9.0
10:00	10.7	6.5	6.7	10.5
10:30	14.7	10.2	10.4	9.4
11:00	16.4	12.1	18.4	18.5
11:30	15.7	11.9	9.5	27.6
12:00	16.4	11.7	10.0	12.5(d)
12:30	13.5	10.3	8.7	15.8(d)
13:00	13.2	10.3	9.3	18.0(e)
13:30	11.7	9.1	8.9	(f)
14:00	10.8	8.4	8.1	(f)
14:30	10.1	8.8	6.9	22.0(e)
15:00	10.0	6.8	7.0	30.5
15:30	10.8	6.8	7.2	16.2
16:00	12.5	8.2	8.9	23.1
16:30	13.4	8.9	9.7	16.6
17:00	13.9	8.7	9.2	16.7
17:30	15.0(b)	9.3(b)	9.0(b)	19.0(b)
18:00	(c)	(c)	(c)	(c)
Daily Average	**10.9**	**7.7**	**7.8**	**14.4**
Sampler Start Time	7:06 AM	7:21 AM	7:12 AM	6:57 AM
Sampler End Time	17:18 PM	17:11 PM	17:12 PM	17:07 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to DR not logging resulting from a Source 2 failure. Technician turned instrument off and started a new unit.

(e) This value represents less than the full number of data points necessary for averaging due to instrument change or dead battery.

(f) No data for this period due to instrument not logging.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday May 4, 2004**

1) Exceedances:
No exceedances of the action limits for VOC, H2S or Particulate Matter were reported.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 46°F
Average wind speed: 5.9 MPH
Predominant wind direction: North

5) Site Activity:

Start Time:	8:30 AM
Stop Time:	3:45 PM
Description:	Stabilized sludge, excavated stabilized material, applied Portland cement.

6) Other:
(a) The DR4 log interval was incorrect at the start of the day and was corrected at 8:46.

(b) DR4 was replaced at 11:22 due to instrument malfunction (blank screen).

(c) When initially turned on, V2 flashed a lamp alarm. Instrument replaced with backup unit. V4 was also replaced at 1:16 due to lamp alarm. Both events are likely related to humidity.

(d) H1 high level alarm noted at 11:31, but no elevated levels observed in the data.

(e) H4 operated for the entire day, however data was not logged after 1:29. Two actual data points after 1:29 were recorded manually on the Field Data Sheet and are reported in the daily report. H4 data from 5/3/04 was not cleared prior to logging 5/4/03 data and the failure to log may be related to memory limits of the datalogger.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 4, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.368(b)	0.110(b)
7:15	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.227(b)	0.016(b)	0.000	0.248	0.096
7:30	(a)	(a)	(a)	0.039(b)	0.051(b)	0.041(b)	0.000	0.142	0.018	0.005	0.277	0.118
7:45	0.000(b)	0.015(b)	0.000(b)	0.033	0.053	0.039	0.000	0.124	0.015	0.010	0.264	0.121
8:00	0.000	0.011	0.000	0.041	0.178	0.078	0.000	0.094	0.010	0.000	0.251	0.130
8:15	0.000	0.008	0.000	0.179	0.742	0.370	0.000	0.105	0.008	0.000	0.247	0.009
8:30	0.000	0.001	0.000	0.142	0.616	0.277	0.000	0.072	0.007	0.000	0.000	0.000
8:45	0.000	0.000	0.000	0.079	0.243	0.122	0.000	0.080	0.008	0.000	0.000	0.000
9:00	0.000	0.001	0.000	0.077	0.206	0.119	0.000	0.080	0.008	0.000	0.000	0.000
9:15	0.000	0.002	0.000	0.100	0.210	0.135	0.000	0.101	0.008	0.000	0.000	0.000
9:30	0.000	0.001	0.000	0.070	0.177	0.089	0.000	0.098	0.008	0.000	0.000	0.000
9:45	0.000	0.008	0.000	0.072	0.130	0.099	0.000	0.092	0.011	0.000	0.000	0.000
10:00	0.000	0.005	0.000	0.027	0.083	0.039	0.000	0.083	0.010	0.000	0.000	0.000
10:15	0.000	0.010	0.000	0.030	0.047	0.033	0.000	0.332	0.010	0.000	0.000	0.000
10:30	0.000	0.012	0.000	0.028	0.037	0.031	0.000	0.040	0.003	0.000	0.000	0.000
10:45	0.000	0.010	0.000	0.027	0.054	0.034	0.000	0.067	0.006	0.000	0.000	0.000
11:00	0.000	0.009	0.000	0.031	2.210	0.057	0.000	0.987	0.018	0.000	0.000	0.000
11:15	0.000	0.006	0.000	0.030	0.039	0.033	0.000	0.056	0.006	0.000	0.000	0.000
11:30	0.000	0.006	0.000	0.021	0.049	0.031	0.000	0.109	0.006	0.000	0.000	0.000
11:45	0.000	0.007	0.000	0.028	0.033	0.030	0.000	0.059	0.004	0.000	0.000	0.000
12:00	0.000	0.004	0.000	0.027	0.042	0.030	0.000	0.189	0.006	0.000	0.000	0.000
12:15	0.000	0.005	0.000	0.027	0.039	0.030	0.000	0.065	0.006	0.000	0.000	0.000
12:30	0.000	0.008	0.000	0.027	0.038	0.030	0.000	0.047	0.004	0.000	0.000	0.000
12:45	0.000	0.010	0.000	0.027	0.066	0.030	0.000	0.049	0.003	0.000	0.000	0.000
13:00	0.000	0.006	0.000	0.027	0.039	0.029	0.000	0.069	0.005	0.000	0.000	0.000
13:15	0.000	0.006	0.000	0.020	0.048	0.028	0.000	0.052	0.004	0.000	0.018	0.000
13:30	0.000	0.012	0.000	0.025	0.034	0.027	0.000	0.226	0.006	0.000(d)	0.058(d)	0.001(d)
13:45	0.000	0.006	0.000	0.025	0.040	0.027	0.000	0.045	0.002	0.000	0.015	0.000
14:00	0.000	0.005	0.000	0.025	0.032	0.026	0.000	0.039	0.003	0.000	0.032	0.000
14:15	0.000	0.006	0.000	0.024	0.035	0.026	0.000	0.044	0.003	0.000	0.081	0.001

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 4, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
14:30	0.000	0.000	0.000	0.022	0.046	0.026	0.000	0.051	0.002	0.000	0.047	0.001
14:45	0.000	0.002	0.000	0.022	0.037	0.025	0.000	0.051	0.003	0.000	0.457	0.003
15:00	0.000	0.003	0.000	0.022	0.037	0.025	0.000	0.060	0.002	0.000	0.098	0.001
15:15	0.000	0.000	0.000	0.021	0.053	0.025	0.000	0.036	0.001	0.000	0.083	0.000
15:30	0.000	0.006	0.000	0.020	0.040	0.024	0.000	0.022	0.001	0.000	0.180	0.001
15:45	0.000	0.000	0.000	0.021	0.039	0.023	0.000	0.037	0.002	0.000	0.103	0.004
16:00	0.000	0.003	0.000	0.021	0.041	0.023	0.000	0.406	0.005	0.000	0.049	0.001
16:15	0.000(b)	0.001(b)	0.000(b)	0.021(b)	0.025(b)	0.022(b)	0.000	0.042	0.001	0.000	0.000	0.000
16:30	(c)	(c)	(c)	(c)	(c)	(c)	0.000(b)	0.050(b)	0.001(b)	0.000(b)	0.000(b)	0.000(b)
16:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**			**0.060**			**0.006**			**0.014**		
Sampler Start Time	7:35 AM			7:30 AM			7:09 AM			6:56 AM		
Sampler End Time	16:13 PM			16:10 PM			16:22 PM			16:24 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for determining minimum, maximum and average due to battery change, instrument check, instrument change-out or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday May 4, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)		(a)	(a)	(a)		0.004(b)	0.004(b)	0.004(b)		0.002(b)	0.005(b)	0.004(b)	
7:30	(a)	(a)	(a)		0.004(b)	0.005(b)	0.004(b)		0.004	0.008	0.005		0.005	0.007	0.005	
7:45	0.005(b)	0.006(b)	0.005(b)		0.005	0.006	0.006		0.005	0.008	0.006		0.005	0.007	0.006	
8:00	0.005	0.007	0.007	0.007(b)	0.005	0.006	0.006	0.006(b)	0.005	0.007	0.006	0.005(b)	0.005	0.008	0.006	0.006(b)
8:15	0.005	0.006	0.006		0.004	0.006	0.005		0.005(e)	0.006(e)	0.005(e)		0.005	0.008	0.006	
8:30	0.005	0.014	0.006		0.004	0.006	0.005		(f)	(f)	(f)		0.005	0.009	0.006	
8:45	0.005	0.008	0.006		0.005	0.006	0.006		(f)	(f)	(f)		0.005	0.009	0.007	
9:00	0.007(e)	0.007(e)	0.007(e)	0.006(e)	0.005	0.006	0.005	0.005	0.006	0.006	0.006	0.006(e)	0.005	0.008	0.007	0.007
9:15	(f)	(f)	(f)		0.004	0.006	0.005		0.005	0.007	0.006		0.005	0.007	0.006	
9:30	0.005(e)	0.008(e)	0.007(e)		0.005	0.006	0.005		0.006	0.007	0.006		0.006	0.008	0.007	
9:45	0.006	0.007	0.007		0.004	0.006	0.005		0.005	0.007	0.006		0.005	0.007	0.006	
10:00	0.007(e)	0.008(e)	0.008(e)	0.007(e)	0.005	0.007	0.006	0.006	0.006	0.008	0.007	0.007	0.005	0.009	0.007	0.007
10:15	0.007	0.008	0.008		0.006	0.007	0.007		0.006	0.008	0.007		0.007	0.010	0.008	
10:30	0.006	0.009	0.008		0.005	0.006	0.006		0.006	0.008	0.007		0.006	0.009	0.007	
10:45	0.007	0.008	0.008		0.005	0.007	0.006		0.006	0.007	0.007		0.006	0.007	0.007	
11:00	0.006	0.008	0.007	0.007	0.005	0.007	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.009	0.007	0.007
11:15	0.006	0.008	0.007		0.005	0.007	0.006		0.006	0.007	0.006		0.006	0.008	0.007	
11:30	0.006	0.007	0.007		0.005	0.007	0.006		0.005	0.007	0.006		0.007	0.008	0.007	
11:45	0.007	0.009	0.008		0.005	0.007	0.006		0.006	0.007	0.006		0.006	0.011	0.007	
12:00	0.005	0.009	0.007	0.007	0.005	0.007	0.006	0.006	0.006	0.008	0.007	0.007	0.000	0.009	0.007	0.007
12:15	0.006	0.009	0.008		0.004	0.007	0.006		0.006	0.009	0.007		0.006	0.009	0.007	
12:30	0.006	0.007	0.007		0.005	0.007	0.006		0.006	0.007	0.007		0.006	0.008	0.007	
12:45	0.007	0.015	0.008		0.005	0.007	0.006		0.006	0.007	0.007		0.006	0.009	0.007	
13:00	0.007	0.010	0.008	0.008	0.005	0.007	0.006	0.006	0.006	0.008	0.007	0.007	0.007	0.007	0.007	0.007
13:15	0.007	0.008	0.007		0.005	0.007	0.007		0.006	0.007	0.007		0.007	0.007	0.007	
13:30	0.007	0.008	0.007		0.006	0.008	0.007		0.007	0.008	0.007		0.007(d)	0.008(d)	0.007(d)	
13:45	0.007	0.008	0.008		0.006	0.007	0.006		0.006	0.008	0.007		(g)	(g)	(g)	
14:00	0.007	0.008	0.008	0.008	0.006	0.007	0.006	0.006	0.006	0.008	0.007	0.007	(g)	(g)	(g)	0.007(d)
14:15	0.005	0.009	0.008		0.005	0.006	0.006		0.006	0.008	0.007		(g)	(g)	(g)	
14:30	0.008	0.010	0.008		0.006	0.007	0.007		0.006	0.008	0.007		(g)	(g)	(g)	
14:45	0.007	0.009	0.008		0.007	0.007	0.007		0.007	0.009	0.007		(g)	(g)	(g)	
15:00	0.003	0.011	0.009	0.009	0.006	0.007	0.007	0.007	0.006	0.008	0.008	0.008	(g)	(g)	0.007 (g)	(g)
15:15	0.008	0.010	0.009		0.007	0.007	0.007		0.007	0.009	0.008		(g)	(g)	(g)	
15:30	0.008	0.009	0.009		0.007	0.007	0.007		0.008	0.009	0.008		(g)	(g)	(g)	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday May 4, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
15:45	0.008	0.010	0.009		0.007	0.008	0.007		0.008	0.009	0.009		(g)	(g)	(g)	
16:00	0.009	0.010	0.010	0.010	0.007	0.008	0.007	0.007	0.007	0.010	0.009	0.009	(g)	(g)	0.007 (g)	(g)
16:15	0.009	0.016	0.010		0.007	0.008	0.007		0.008	0.012	0.010		(g)	(g)	(g)	
16:30	(c)	(c)	(c)		0.007(b)	0.008(b)	0.008(b)		0.009(b)	0.010(b)	0.010(b)		(g)	(g)	(g)	
16:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(g)	(g)	(g)	
17:00	(c)	(c)	(c)	0.010(b)	(c)	(c)	(c)	0.007(b)	(c)	(c)	(c)	0.010(b)	(g)	(g)	(g)	(g)
17:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(g)	(g)	(g)	
17:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(g)	(g)	(g)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(g)	(g)	(g)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(g)	(g)	(g)	(g)
Daily Average	**0.008**				**0.006**				**0.007**				**0.007**			
Sampler Start Time	7:38 AM				7:28 AM				7:12 AM				7:03 AM			
Sampler End Time	4:15 PM				4:19 PM				4:23 PM				1:29 PM (g)			

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

1-hour TWA is calculated as an average of the 1-minute logged data within the hour

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for determining maximum, minimum and average due to battery change, instrument check, instrument change-out or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

(g) Data was not logged after 1:29 for H4, although the unit continued to operate. The data points reported after 1:29 represent data recorded manually in the field data sheet, and are for the following times: 2:53 and 3:49. They are reported in the 15 minute period in which the readings occurred.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 4, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	(a)	7.8(b)	8.5(b)	(a)
8:00	9.6(b)	5.8	4.7	(a)
8:30	12.8	6.2	5.2	(a)
9:00	5.7	3.5	3.2	18.6(b)
9:30	5.3	3.2	3.1	10.0
10:00	5.6	3.6	3.4	7.6
10:30	5.5	3.9	3.5	11.9(d)
11:00	5.6	3.8	3.5	(e)
11:30	5.7	4.1	3.5	(e)
12:00	5.7	4.1	3.4	16.5(d)
12:30	5.8	3.4	3.5	5.2
13:00	6.8	4.4	3.9	6.9
13:30	7.2	4.5	4.1	6.4
14:00	7.5	5.1	4.3	15.3
14:30	7.9	4.9	4.5	6.8
15:00	8.6	5.8	5.3	8.3
15:30	7.4	4.6	4.7	6.6
16:00	8.0	4.5	4.6	7.7
16:30	9.1(b)	5.4(b)	5.8(b)	7.1(b)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**7.1**	**4.6**	**4.3**	**8.8**
Sampler Start Time	7:34 AM	7:15 AM	7:08 AM	8:47 AM
Sampler End Time	16:14 PM	16:19 PM	16:21 PM	16:27 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out or instrument malfunction.

(e) No data was collected for this period due to instrument malfunction and replacement.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday May 5, 2004**

1) Exceedances:
No exceedances of the action limits for VOC, H2S or Particulate Matter were reported.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 51.6°F
Average wind speed: 5 MPH
Predominant wind direction: South

5) Site Activity:

Start Time:	7:45 AM (Began blowing cement at 6:20 am)
Stop Time:	4:00 PM
Description:	Blew in Portland cement, stabilized sludge, excavated stabilized material.

6) Other:
(a) At approximately 10:30 a.m., a loader was started in the vicinity of station 4. Just prior to 12:23 pm, a tractor trailer truck was observed idling next to station 4. During both of these instances, the exhaust plumes were directed toward the station 4 monitors. In both circumstances, elevated readings were recorded on the PM monitor, but the 30 minute TWAs for Particulate Matter for those two time periods did not exceed the action levels.

(b) At the 11:57 and 11:59 a.m. readings for VOC, peak VOC levels of 19.157 ppm and 1.487 ppm were recorded at Station V1. Prior to and after these peak readings, peak levels were within normal range. The **one minute averages** for the minutes which contained these elevated peak values were 2.755 ppm and 0.124 ppm respectively. The **15 minute TWA** for the period that included the elevated peak readings was 0.192 ppm, well within the Action Level of 5 ppm for VOC.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 5, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.191(b)	0.018(b)
7:15	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	(a)	(a)	(a)	0.000	0.124	0.027
7:30	0.000	0.029	0.000	0.000	0.000	0.000	0.000(b)	0.000(b)	0.000(b)	0.000	0.118	0.020
7:45	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.094	0.009
8:00	0.000	0.059	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8:15	0.000	0.040	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8:30	0.000	0.023	0.000	0.000	0.000	0.000	0.000	0.179	0.001	0.000	0.000	0.000
8:45	0.000	0.026	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9:00	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9:30	0.000	2.989	0.016	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9:45	0.000	0.500	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10:00	0.000	0.165	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10:15	0.000	0.053	0.001	0.000	0.025	0.000	0.000	0.000	0.000	0.000(d)	0.226(d)	0.010(d)
10:30	0.000	0.072	0.001	0.000	0.082	0.001	0.000	0.000	0.000	0.000	0.322	0.028
10:45	0.000	0.072	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.334	0.025
11:00	0.000	0.080	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.391	0.046
11:15	0.000	0.084	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.212	0.009
11:30	0.000	0.046	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.280	0.016
11:45	0.000	0.052	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.534	0.032
12:00	0.000	19.157 (e)	0.192(e)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.529	0.036
12:15	0.000	0.047	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.737	0.053
12:30	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.422	0.022
12:45	0.000	0.104	0.001	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.260	0.015
13:00	0.000(d)	0.000(d)	0.000(d)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.243	0.009
13:15	0.000	0.041	0.000	0.000	0.052	0.000	0.000	0.000	0.000	0.000	0.348	0.014
13:30	0.000	0.061	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.243	0.015
13:45	0.000	0.078	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.187	0.008
14:00	0.000	0.104	0.001	0.000	0.253	0.001	0.000	0.000	0.000	0.000	0.283	0.029
14:15	0.000	0.008	0.000	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.301	0.009
14:30	0.000	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.508	0.026
14:45	0.000	0.000	0.000	0.000	0.023	0.000	0.000	0.000	0.000	0.000	0.179	0.006

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 5, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.214	0.008
15:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.263	0.012
15:30	0.000	0.000	0.000	0.000	0.153	0.001	0.000	0.000	0.000	0.000	0.141	0.009
15:45	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.381	0.038
16:00	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.209	0.021
16:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.289	0.015
16:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.297	0.013
16:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.113	0.002
17:00	0.000(b)	0.000(b)	0.000(b)	0.000	0.045	0.001	0.000(b)	0.000(b)	0.000(b)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	0.000(b)	0.000(b)	0.000(b)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.006**			**0.000**			**0.000**			**0.015**		
Sampler Start Time	7:04 AM			7:11 AM			7:19 AM			6:58 AM		
Sampler End Time	16:47 PM			17:02 PM			16:55 PM			16:45 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for determining maximum, minimum and average due to battery change, instrument check, instrument change-out or instrument malfunction.

(e) At the 11:57 and 11:59 a.m. readings for VOC, peak VOC levels of 19.157 ppm and 1.487 ppm were recorded at Station V1. Prior to and after these peak readings, peak levels were within normal range. The **one minute averages** for the (two) 1-minute periods which contained these elevated peak values were 2.755 ppm and 0.124 ppm respectively. The **15 minute TWA** for the period that included the elevated peak readings was 0.192 ppm, well within the Action Level of 5 ppm for VOC.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday May 5, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.007(b)	0.011(b)	0.009(b)		0.002(b)	0.005(b)	0.004(b)		(a)	(a)	(a)		0.007(b)	0.017(b)	0.010(b)	
7:30	0.008	0.009	0.008		0.006	0.010	0.007		0.005(b)	0.007(b)	0.006(b)		0.007	0.012	0.008	
7:45	0.008	0.010	0.009		0.007	0.011	0.008		0.006	0.008	0.007		0.007	0.009	0.007	
8:00	0.008	0.009	0.008	0.008(b)	0.006	0.008	0.007	0.007(b)	0.007	0.007	0.007	0.007(b)	0.007	0.014	0.009	0.008(b)
8:15	0.008	0.010	0.008		0.006	0.008	0.007		0.006	0.007	0.007		0.007	0.009	0.008	
8:30	0.009	0.044	0.016		0.007	0.049	0.020		0.006	0.008	0.007		0.007	0.056	0.019	
8:45	0.009	0.013	0.010		0.007	0.009	0.008		0.007	0.008	0.007		0.008	0.009	0.009	
9:00	0.008	0.010	0.009	0.010	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.005	0.012	0.009	0.011
9:15	0.009	0.011	0.009		0.007	0.009	0.007		0.007	0.009	0.008		0.008	0.024	0.010	
9:30	0.009	0.012	0.010		0.007	0.010	0.008		0.008	0.009	0.008		0.009	0.014	0.010	
9:45	0.009	0.014	0.010		0.007	0.009	0.008		0.007	0.010	0.009		0.009	0.010	0.009	
10:00	0.008	0.017	0.012	0.013	0.007	0.011	0.008	0.010	0.008	0.010	0.009	0.009	0.008	0.017	0.010	0.015
10:15	0.011	0.024	0.015		0.007	0.017	0.009		0.009	0.010	0.009		0.010	0.047	0.018	
10:30	0.009	0.036	0.017		0.008	0.030	0.014		0.009	0.010	0.010		0.009	0.072	0.021	
10:45	0.010	0.016	0.012		0.007	0.010	0.009		0.009	0.011	0.010		0.010	0.030	0.014	
11:00	0.012	0.023	0.014	0.012	0.008	0.012	0.009	0.009	0.010	0.012	0.011	0.011	0.009	0.042	0.017	0.015
11:15	0.010	0.013	0.011		0.009	0.010	0.009		0.009	0.012	0.011		0.010	0.037	0.017	
11:30	0.010	0.013	0.011		0.009	0.010	0.009		0.010	0.012	0.011		0.010	0.016	0.012	
11:45	0.010	0.013	0.012		0.009	0.010	0.009		0.010	0.011	0.011		0.010	0.014	0.012	
12:00	0.010	0.013	0.011	0.011	0.008	0.010	0.009	0.009	0.010	0.012	0.011	0.011	0.011	0.015	0.013	0.012
12:15	0.010	0.012	0.011		0.008	0.010	0.009		0.010	0.012	0.011		0.011	0.020	0.013	
12:30	0.010	0.011	0.011		0.008	0.010	0.009		0.010	0.012	0.011		0.011	0.016	0.012	
12:45	0.007	0.015	0.011		0.008	0.010	0.009		0.010	0.012	0.011		0.011	0.013	0.011	
13:00	0.010	0.013	0.011	0.011	0.008	0.010	0.009	0.009	0.009	0.011	0.010	0.010	0.008	0.012	0.011	0.011
13:15	0.009	0.016	0.011		0.008	0.010	0.009		0.010	0.011	0.010		0.009	0.012	0.011	
13:30	0.007	0.022	0.011		0.007	0.010	0.008		0.010	0.011	0.010		0.009	0.029	0.013	
13:45	0.009	0.013	0.010		0.007	0.009	0.008		0.009	0.010	0.010		0.008	0.019	0.010	
14:00	0.009	0.012	0.010	0.010	0.008	0.008	0.008	0.008	0.008	0.011	0.010	0.010	0.009	0.012	0.011	0.011
14:15	0.008	0.011	0.010		0.008	0.009	0.008		0.009	0.013	0.011		0.009	0.012	0.010	
14:30	0.009	0.012	0.010		0.008	0.010	0.009		0.010	0.011	0.011		0.008	0.024	0.011	
14:45	0.009	0.011	0.010		0.008	0.009	0.008		0.009	0.011	0.010		0.008	0.012	0.010	
15:00	0.008	0.011	0.009	0.009	0.007	0.008	0.008	0.008	0.009	0.011	0.010	0.010	0.009	0.017	0.010	0.010
15:15	0.008	0.010	0.009		0.006	0.009	0.008		0.008	0.011	0.010		0.009	0.025	0.011	
15:30	0.007	0.012	0.009		0.006	0.008	0.007		0.009	0.011	0.010		0.009	0.020	0.010	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday May 5, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
15:45	0.008	0.010	0.008		0.006	0.008	0.007		0.008	0.010	0.009		0.009	0.014	0.012	
16:00	0.002	0.012	0.008	0.008	0.005	0.008	0.006	0.006	0.008	0.011	0.009	0.009	0.012	0.018	0.014	0.012
16:15	0.008	0.009	0.008		0.005	0.008	0.006		0.007	0.010	0.009		0.010	0.015	0.012	
16:30	0.007	0.014	0.009		0.004	0.008	0.007		0.009	0.010	0.010		0.010	0.014	0.012	
16:45	0.007	0.018	0.010		0.006	0.008	0.007		0.009	0.011	0.010		0.009(b)	0.010(b)	0.010(b)	
17:00	0.010(b)	0.012(b)	0.011(b)	0.009(b)	0.008(b)	0.008(b)	0.008(b)	0.007(b)	0.009(b)	0.011(b)	0.010(b)	0.009(b)	(c)	(c)	(c)	0.011(b)
17:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.010**				**0.009**				**0.009**				**0.012**			
Sampler Start Time	7:07 AM				7:14 AM				7:20 AM				7:02 AM			
Sampler End Time	4:47 PM				4:50 PM				4:54 PM				4:44 PM			

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

1-hour TWA is calculated as an average of the 1-minute logged data within the hour

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for determining maximum, minimum and average due to battery change, instrument check, instrument change-out or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 5, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	12.4(b)	4.7(b)	6.4(b)	6.3(b)
6:30	9.7	4.3	3.7	4.7
7:00	19.3	7.6	5.0	19.6
7:30	14.2	16.0	5.7	8.6
8:00	11.4	10.7	5.6	8.5
8:30	13.0	12.6	5.7	10.6
9:00	19.3	13.4	5.3	18.6
9:30	23.1	15.0	5.5	25.3
10:00	20.4	9.1	5.7	10.9
10:30	25.4	8.7	5.8	13.0
11:00	25.3	9.2	8.2	23.1
11:30	20.9	9.5	9.5	15.2
12:00	23.1	7.8	8.2	19.2
12:30	27.1	8.6	7.9	53.5(e)
13:00	41.2	9.5	8.3	33.3
13:30	28.6	9.7	7.9	20.6
14:00	19.2	9.2	7.5	12.9
14:30	19.6	10.1	7.7	11.6
15:00	31.5	11.3	8.2	40.5
15:30	28.4	12.9	8.8	34.0
16:00	28.2	11.1	11.8(d)	33.3
16:30	21.3	11.2	7.9	14.7
17:00	19.3(b)	10.2(b)	7.7(b)	12.9(b)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**22.1**	**10.3**	**6.9**	**20.0**
Sampler Start Time	5:47 AM	5:51 AM	5:51 AM	5:46 AM
Sampler End Time	16:48 PM	16:53 PM	16:55 PM	16:46 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value is relatively high value, but did not exceed the action limit. A tractor trailer was parked and running next to Station 4.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, May 6, 2004**

1) Exceedances:
There was an exceedance of the Particulate Matter Action Limit during the 11:31-12:00 averaging period at DR4. The 30 minute TWA for this period at DR4, a downwind monitor, was 89.8 ug/m3. The upwind monitor 30 minute TWA for this same period was 33.5 ug/m^3. This represents a difference of 56.3 ug/m^3, which exceeds the Action Limit (downwind monitor greater than 54 ug/m^3 above upwind monitor). The cause of this exceedance appears to be an excavator conducting work in the cell within 30 feet of the monitor. Dust suppression methods were being employed at the time, however, emissions may have also been related to exhaust emissions from the excavator.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 60°F
Average wind speed: 2.3 MPH
Predominant wind direction: North

5) Site Activity:

Start Time:	7:15 AM (Began blowing cement at 6:30 am)
Stop Time:	4:45 PM
Description:	Blew in Portland cement, stabilized sludge, excavated stabilized material.

6) Other:
No other items for discussion.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 6, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.025(b)	0.000(b)	0.000(b)	2.511(b)	0.071(b)
7:15	0.000(b)	0.017(b)	0.000(b)	0.000	0.246	0.022	0	0.039	0.001	0.000	2.898	0.170
7:30	0.000	0.004	0.000	0.000	0.066	0.001	0.000	0.082	0.001	0.000	1.229	0.064
7:45	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.028	0.000	0.000	0.039	0.000
8:00	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.024	0.000	0.000	1.543	0.048
8:15	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.000	1.120	0.039
8:30	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.021	0.000	0.000	0.286	0.006
8:45	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.055	0.001	0.000	1.081	0.035
9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.474	0.007
9:15	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.024	0.000	0.000	2.768	0.103
9:30	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.017	0.000	0.000	0.158	0.005
9:45	0.000	0.016	0.000	0.000	0.000	0.000	0.000	0.017	0.000	0.000	0.140	0.003
10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.640	0.029
10:15	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000	0.447	0.014
10:30	0.000	0.002	0.000	0.000	0.007	0.000	0.000	0.020	0.000	0.000	0.241	0.004
10:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000	4.717	0.086
11:00	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.000	4.415	0.160
11:15	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.000	5.021	0.047
11:30	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000(d)	0.003(d)	0.000(d)
11:45	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000(d)	6.999(d)	0.364(d)
12:00	0.000	0.062	0.001	0.000	0.000	0.000	0.000	0.029	0.000	0.000	5.564	0.179
12:15	0.000	0.070	0.002	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.882	0.009
12:30	0.000	0.040	0.000	0.000	0.107	0.001	0.000	0.000	0.000	0.000(d)	0.796(d)	0.025(d)
12:45	0.000	0.000	0.000	0.000	0.217	0.002	0.000	0.003	0.000	0.000(d)	0.000(d)	0.000(d)
13:00	0.000	0.000	0.000	0.000	0.170	0.001	0.000	0.017	0.000	0.000	5.351	0.164
13:15	0.000	0.221	0.001	0.000	0.000	0.000	0.000	0.994	0.005	0.000	0.410	0.007
13:30	0.000	0.595	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.704	0.023
13:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.853	0.016
14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.402	0.004
14:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.809	0.020
14:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.198	0.010

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 6, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
14:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.875	0.096
15:00	0.000	0.000	0.000	0.000	0.012	0.000	0.000	0.000	0.000	0.000	1.737	0.104
15:15	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.754	0.022
15:30	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15:45	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.226	0.008
16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.058	0.005
16:15	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.434	0.018
16:30	0.000	0.026	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.587	0.016
16:45	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.634	0.005
17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000
17:15	0.000(b)	0.000(b)	0.000(b)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.144	0.026
17:30	(c)	(c)	(c)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.003(b)	0.000(b)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**			**0.001**			**0.000**			**0.045**		
Sampler Start Time	7:08 AM			7:00 AM			6:54 AM			6:46 AM		
Sampler End Time	5:12 PM			5:17 PM			5:23 PM			5:26 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday May 6, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.004(b)	0.005(b)	0.004(b)	0.004(b)	0.004(b)	0.006(b)	0.005(b)	0.005(b)
7:15	0.004(b)	0.004(b)	0.004(b)		0.003(b)	0.008(b)	0.006(b)		0.004	0.007	0.005		0.005	0.008	0.007	
7:30	0.004	0.008	0.006		0.005	0.008	0.006		0.005	0.010	0.007		0.006	0.011	0.008	
7:45	0.007	0.010	0.008		0.006	0.007	0.006		0.006	0.009	0.007		0.010	0.018	0.013	
8:00	0.008	0.010	0.008	0.007(b)	0.005	0.007	0.006	0.006(b)	0.007	0.008	0.007	0.007	0.009	0.027	0.012	0.010
8:15	0.007	0.012	0.008		0.006	0.008	0.007		0.006	0.009	0.007		0.008	0.027	0.011	
8:30	0.002	0.011	0.008		0.007	0.008	0.007		0.006	0.009	0.007		0.008	0.017	0.010	
8:45	0.004	0.008	0.007		0.006	0.007	0.007		0.006	0.013	0.008		0.007	0.020	0.010	
9:00	0.006	0.009	0.008	0.008	0.006	0.007	0.006	0.007	0.007	0.010	0.008	0.008	0.007	0.012	0.008	0.010
9:15	0.008	0.011	0.009		0.006	0.007	0.007		0.006	0.009	0.007		0.007	0.014	0.009	
9:30	0.007	0.012	0.008		0.006	0.007	0.007		0.006	0.008	0.007		0.008	0.011	0.009	
9:45	0.006	0.011	0.009		0.006	0.008	0.007		0.006	0.008	0.007		0.007	0.010	0.008	
10:00	0.008	0.011	0.009	0.009	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.009
10:15	0.008	0.010	0.009		0.007	0.009	0.008		0.007	0.009	0.008		0.008	0.020	0.010	
10:30	0.009	0.011	0.010		0.007	0.009	0.008		0.007	0.010	0.008		0.008	0.012	0.009	
10:45	0.008	0.010	0.009		0.007	0.008	0.007		0.006	0.009	0.007		0.009	0.044	0.013	
11:00	0.008	0.010	0.009	0.009	0.007	0.009	0.008	0.008	0.006	0.009	0.007	0.008	0.009	0.460	0.082	0.029
11:15	0.008	0.010	0.009		0.007	0.008	0.008		0.006	0.010	0.008		0.008	0.015	0.010	
11:30	0.009	0.010	0.010		0.008	0.009	0.009		0.006	0.009	0.008		0.008	0.009	0.008	
11:45	0.009	0.012	0.010		0.004	0.009	0.008		0.008	0.013	0.010		0.008	0.320	0.032	
12:00	0.010	0.012	0.011	0.010	0.009	0.013	0.010	0.009	0.010	0.017	0.011	0.009	0.010	0.141	0.025	0.019
12:15	0.010	0.015	0.011		0.007	0.010	0.009		0.009	0.020	0.011		0.008	0.011	0.009	
12:30	0.011	0.014	0.012		0.008	0.010	0.009		0.009	0.011	0.010		0.007	0.059	0.011	
12:45	0.000	0.012	0.010		0.004	0.012	0.009		0.010	0.011	0.011		0.006	0.009	0.008	
13:00	0.009	0.011	0.010	0.011	0.007	0.010	0.009	0.009	0.009	0.014	0.010	0.011	0.006	0.021	0.009	0.009
13:15	0.010	0.011	0.011		0.007	0.009	0.009		0.009	0.012	0.010		0.008	0.015	0.010	
13:30	0.009	0.011	0.010		0.007	0.010	0.009		0.010	0.011	0.010		0.007	0.012	0.009	
13:45	0.009	0.010	0.010		0.008	0.010	0.009		0.008	0.011	0.010		0.008	0.011	0.009	
14:00	0.009	0.014	0.011	0.010	0.008	0.010	0.009	0.009	0.010	0.011	0.011	0.010	0.009	0.011	0.009	0.009
14:15	0.010	0.011	0.010		0.009	0.010	0.010		0.008	0.012	0.011		0.008	0.009	0.009	
14:30	0.010	0.013	0.012		0.008	0.011	0.009		0.011	0.013	0.011		0.008	0.011	0.009	
14:45	0.010	0.018	0.012		0.008	0.010	0.010		0.009	0.013	0.011		0.008	0.031	0.012	
15:00	0.010	0.013	0.011	0.011	0.009	0.010	0.010	0.010	0.010	0.012	0.011	0.011	0.010	0.024	0.015	0.011
15:15	0.011	0.012	0.012		0.009	0.012	0.010		0.010	0.011	0.011		0.009	0.017	0.011	
15:30	0.011	0.012	0.012		0.010	0.011	0.010		0.010	0.012	0.011		0.009	0.013	0.009	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday May 6, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
15:45	0.005	0.012	0.011		0.008	0.013	0.010		0.009	0.012	0.011		0.005	0.017	0.009	
16:00	0.011	0.013	0.012	0.012	0.009	0.010	0.010	0.010	0.010	0.012	0.011	0.011	0.008	0.011	0.009	0.009
16:15	0.011	0.013	0.012		0.009	0.010	0.010		0.010	0.011	0.011		0.008	0.011	0.009	
16:30	0.010	0.013	0.012		0.000	0.010	0.008		0.010	0.012	0.011		0.008	0.019	0.010	
16:45	0.009	0.013	0.011		0.003	0.010	0.008		0.009	0.011	0.011		0.007	0.014	0.009	
17:00	0.010	0.013	0.011	0.011	0.000	0.010	0.005	0.008	0.010	0.012	0.011	0.011	0.008	0.010	0.009	0.009
17:15	0.010(b)	0.012(b)	0.011(b)		0.000	0.008	0.005		0.010	0.012	0.011		0.009	0.010	0.010	
17:30	(c)	(c)	(c)		0.005(b)	0.010(b)	0.008(b)		0.009(b)	0.011(b)	0.011(b)		0.008(b)	0.010(b)	0.009(b)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	0.011(b)	(c)	(c)	(c)	0.006(b)	(c)	(c)	(c)	0.011(b)	(c)	(c)	(c)	0.009(b)
Daily Average	**0.010**				**0.008**				**0.009**				**0.012**			
Sampler Start Time	7:13 AM				7:04 AM				6:55 AM				6:48 AM			
Sampler End Time	5:14 PM				5:19 PM				5:23 PM				5:27 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 6, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	32.0(b)	20.3(b)	0.7	32.4
7:00	41.8	20.2	4.5(d)	29.8
7:30	79.6	25.3	19.5	77.7
8:00	35.9	22.0	21.7	78.2
8:30	35.4	20.4	30.6	54.7
9:00	36.9	19.1	35.4	36.3
9:30	33.0	21.3	24.8	26.7
10:00	41.7	28.2	26.4	28.2
10:30	39.6	29.0	25.8	32.7
11:00	38.2	25.5	24.6	41.1
11:30	36.4	25.0	23.0	35.6
12:00	33.5	24.7	22.6	**89.8(e)**
12:30	37.6	19.4	16.5	21.3
13:00	34.0	18.4	16.6	22.6
13:30	30.1	16.2	15.7	19.5
14:00	30.9	17.1	15.2	24.5
14:30	27.2	14.4	14.7	20.2
15:00	25.8	14.0	13.1	30.4
15:30	16.9	6.7	7.1	9.2
16:00	13.6	4.6	5.1	6.5
16:30	12.7	4.0	5.0	6.3
17:00	14.0	3.9	4.5	5.8
17:30	12.3(b)	3.7(b)	4.7(b)	6.0(b)
18:00	(c)	(c)	(c)	(c)
Daily Average	**32.6**	**17.7**	**16.6**	**32.1**
Sampler Start Time	6:02 AM	6:07 PM	6:01 AM	6:00 AM
Sampler End Time	17:14 PM	17:20 PM	17:22 PM	17:26 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) Exceedance of the action limit. Cause for exceedance could be due to excavator working on cell within 30 feet of station 4.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday May 7, 2004**

1) Exceedances:

- The Action Limit for VOC was exceeded during the first 15 minute TWA at 7:30a.m., due to a peak VOC reading of 127.23 ppm. Because there were only 5 data points used for the 15 minute TWA (sampling had just started), the high VOC value artificially inflated the average. Intrusive work did not begin at the site until 7:30, just after the high peak reading. Data during the previous and subsequent minutes at the monitor showed levels substantially less than the Action Limit.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 68°F
Average wind speed: 5.7 MPH
Predominant wind direction: North (see note below)

5) Site Activity:

Start Time:	7:30 AM (Began applying cement at 6:30 am)
Stop Time:	3:45 PM
Description:	Applied Portland cement, stabilized sludge, excavated stabilized material.

6) Other:
(a) The wind shifted during the day, therefore relative upwind/downwind positions of the monitors changed. Until approximately 1:00, the wind was from the south and Station 3 was upwind. After 1:00 the wind was from the north, and therefore Station 1 was upwind. Monitors at Locations 2 and 4 were moved to be positioned in the proper configuration to reflect the modified wind direction. As a result, monitors 2 and 4 were paused for approximately 10 minutes during the repositioning.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, May 7, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind/Upwind (e)			Downwind			Upwind/Downwind (e)			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	0.000	0.232	0.044	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)	(a)	0.000	0.158	0.029	(a)	(a)	(a)
7:30	0.000(b)	127.23(b)	**6.757(b)(f)**	0.000(b)	0.000(b)	0.000(b)	0.000	0.096	0.019	0.000(b)	0.044(b)	0.001(b)
7:45	0.000	0.277	0.004	0.000	0.139	0.014	0.000	0.136	0.018	0.000	0.000	0.000
8:00	0.000	0.216	0.008	0.007	0.334	0.196	0.000	0.114	0.020	0.000	0.007	0.000
8:15	0.000	0.095	0.005	0.073	0.359	0.224	0.000	0.147	0.027	0.000	0.000	0.000
8:30	0.000(d)	0.172(d)	0.008(d)	0.053	0.345	0.231	0.000	0.152	0.022	0.000	0.000	0.000
8:45	0.000	0.201	0.004	0.146	0.270	0.210	0.000	0.133	0.023	0.000	0.000	0.000
9:00	0.000	0.105	0.003	0.081	0.171	0.120	0.000	0.175	0.025	0.000	0.000	0.000
9:15	0.000	0.130	0.002	0.038	0.127	0.068	0.000	0.137	0.030	0.000	0.000	0.000
9:30	0.000	0.070	0.002	0.000	0.048	0.028	0.000	0.195	0.032	0.000	0.344	0.030
9:45	0.000	0.081	0.001	0.000	0.025	0.001	0.000	0.252	0.034	0.000	0.177	0.008
10:00	0.000	0.058	0.001	0.000	0.008	0.000	0.000	0.134	0.026	0.000	0.033	0.000
10:15	0.000	0.070	0.001	0.000	0.000	0.000	0.000	0.173	0.026	0.000	0.000	0.000
10:30	0.000	0.078	0.002	0.000	0.000	0.000	0.000	0.127	0.023	0.000	0.011	0.000
10:45	0.000	0.100	0.002	0.000	0.017	0.000	0.000	0.155	0.022	0.000	0.000	0.000
11:00	0.000	0.052	0.001	0.000	0.000	0.000	0.000	0.156	0.026	0.000	0.000	0.000
11:15	0.000	0.074	0.002	0.000	0.000	0.000	0.000	0.175	0.025	0.000	0.598	0.016
11:30	0.000	0.095	0.003	0.000	0.029	0.003	0.000	2.567	0.085	0.000	0.000	0.000
11:45	0.000	0.453	0.004	0.000	0.032	0.002	0.000	0.147	0.026	0.000	0.000	0.000
12:00	0.000	0.030	0.001	0.000	0.000	0.000	0.000	0.090	0.012	0.000	0.000	0.000
12:15	0.000	0.181	0.002	0.000	0.000	0.000	0.000	0.074	0.009	0.000	0.000	0.000
12:30	0.000	0.048	0.001	0.000	0.000	0.000	0.000	0.085	0.006	0.000	0.059	0.000
12:45	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.079	0.006	0.000	0.000	0.000
13:00	0.000	0.023	0.000	0.000(d)	0.005(d)	0.000(d)	0.000	0.081	0.007	0.000	0.000	0.000
13:15	0.000	0.105	0.001	0.000	0.075	0.000	0.000	0.081	0.008	0.000(d)	0.000(d)	0.000(d)
13:30	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.120	0.007	0.000(d)	1.170(d)	0.079(d)
13:45	0.000	0.029	0.000	0.000	0.000	0.000	0.000	0.059	0.006	0.000	1.491	0.076
14:00	0.000	0.037	0.000	0.000	0.000	0.000	0.000	0.096	0.005	0.000	0.988	0.119
14:15	0.000	0.044	0.000	0.000	0.000	0.000	0.000	0.179	0.008	0.000	2.937	0.149
14:30	0.000	0.354	0.003	0.000	0.000	0.000	0.000	0.131	0.011	0.000	1.089	0.086
14:45	0.000	0.026	0.000	0.000	0.170	0.001	0.000	0.169	0.006	0.000	0.722	0.035
15:00	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.193	0.010	0.000	1.158	0.079

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, May 7, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind/Upwind (e)			Downwind			Upwind/Downwind (e)			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:15	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.575	0.009	0.000	0.931	0.079
15:30	0.000	0.013	0.000	0.000	0.296	0.001	0.000	0.109	0.007	0.000	0.798	0.044
15:45	0.000	0.074	0.000	0.000	0.000	0.000	0.000	0.045	0.004	0.000	0.359	0.018
16:00	0.000	0.075	0.001	0.000	0.000	0.000	0.000	0.077	0.005	0.000	0.582	0.020
16:15	0.000	0.040	0.001	0.000	0.000	0.000	0.000	0.078	0.004	0.000	0.662	0.017
16:30	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.067(b)	0.008(b)	0.000(b)	0.540(b)	0.024(b)
16:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.066**			**0.031**			**0.019**			**0.024**		
Sampler Start Time	7:26 AM			7:30 AM			6:46 AM			7:23 AM		
Sampler End Time	16:16 PM			16:21 PM			16:22 PM			16:26 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) The wind shifted during the day, therefore relative upwind/downwind positions of the monitors changed. Until approximately 1:00, the wind was from the south and Station 3 was upwind. After 1:00 the wind was from the north, and therefore Station 1 was upwind. Monitors at Locations 2 and 4 were moved to be positioned in the proper configuration to reflect the modified wind direction. As a result, monitors 2 and 4 were paused for approximately 10 minutes during the repositioning.

(f) V1 recorded an abnormally high peak reading of 127.23 ppm during the first 5 minutes of sampling. Because there were only 5 data points for the 7:30 value for the 15 minute TWA, the high value artificially inflated the average. In addition, intrusive work on site began at 7:30, after this value was recorded.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday May 7, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

Time of Day	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind/Upwind (g)				Downwind				Upwind/Downwind (g)				Downwind			
	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.002	0.005	0.003	0.003(b)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)		(a)	(a)	(a)		0.002	0.004	0.003		(a)	(a)	(a)	
7:30	(a)	(a)	(a)		(a)	(a)	(a)		0.002	0.004	0.004		0.001(b)	0.003(b)	0.002(b)	
7:45	(a)	(a)	(a)		0.001(b)	0.002(b)	0.002(b)		0.003	0.005	0.004		0.002	0.004	0.003	
8:00	(a)	(a)	(a)	(a)	0.002	0.004	0.003	0.003(b)	0.003	0.006	0.004	0.004	0.003	0.015	0.005	0.004(b)
8:15	(a)	(a)	(a)		0.002	0.006	0.003		0.004	0.007	0.005		0.003	0.004	0.004	
8:30	0.003(b)	0.009(b)	0.005(b)		0.003	0.004	0.004		0.004	0.006	0.005		0.002	0.004	0.003	
8:45	0.005	0.013	0.006		0.003	0.006	0.004		0.006	0.008	0.006		0.003	0.006	0.004	
9:00	0.006	0.010	0.008	0.006(b)	0.004	0.008	0.006	0.004	0.006	0.011	0.008	0.006	0.004	0.007	0.005	0.004
9:15	0.009	0.012	0.010		0.007	0.009	0.008		0.009	0.012	0.010		0.005	0.007	0.006	
9:30	0.009	0.011	0.010		0.008	0.009	0.008		0.009	0.017	0.011		0.006	0.007	0.007	
9:45	0.009	0.012	0.010		0.007	0.009	0.008		0.010	0.020	0.012		0.006	0.008	0.007	
10:00	0.009	0.013	0.010	0.010	0.008	0.009	0.009	0.008	0.009	0.011	0.010	0.011	0.006	0.008	0.007	0.007
10:15	0.009	0.018	0.010		0.007	0.009	0.008		0.009	0.012	0.010		0.006	0.007	0.007	
10:30	0.010	0.012	0.010		0.008	0.010	0.009		0.000	0.012	0.009		0.007	0.008	0.007	
10:45	0.009	0.012	0.011		0.008	0.010	0.009		0.006	0.012	0.010		0.007	0.008	0.007	
11:00	0.009	0.014	0.011	0.011	0.008	0.009	0.009	0.009	0.009	0.011	0.010	0.010	0.006	0.008	0.007	0.007
11:15	0.009	0.012	0.010		0.006	0.010	0.008		0.009	0.011	0.010		0.006	0.008	0.007	
11:30	0.010	0.012	0.011		0.007	0.012	0.009		0.007	0.011	0.010		0.007	0.008	0.008	
11:45	0.010	0.012	0.011		0.003	0.009	0.008		0.010	0.012	0.011		0.007	0.009	0.008	
12:00	0.010	0.012	0.011	0.011	0.005	0.010	0.008	0.008	0.010	0.011	0.010	0.010	0.007	0.009	0.008	0.008
12:15	0.010	0.013	0.012		0.008	0.010	0.009		0.010	0.011	0.010		0.008	0.010	0.009	
12:30	0.010	0.013	0.012		0.007	0.010	0.008		0.010	0.020	0.011		0.007	0.009	0.008	
12:45	0.010	0.011	0.011		0.003	0.009	0.007		0.004	0.011	0.010		0.007	0.009	0.008	
13:00	0.010	0.011	0.010	0.011	0.007(d)	0.010(d)	0.008(d)	0.008(d)	0.009	0.010	0.010	0.010	0.007(d)	0.008(d)	0.008(d)	0.008(d)
13:15	0.010	0.011	0.010		0.007(d)	0.009(d)	0.008(d)		0.008	0.011	0.010		0.007(d)	0.009(d)	0.008(d)	
13:30	0.010	0.012	0.010		0.008	0.010	0.009		0.009	0.010	0.010		0.009	0.018	0.012	
13:45	0.010	0.011	0.010		0.008	0.010	0.009		0.009	0.020	0.011		0.013	0.024	0.017	
14:00	0.010	0.012	0.011	0.010	0.008	0.009	0.009	0.009(d)	0.009	0.011	0.010	0.010	0.015	0.027	0.020	0.014(d)
14:15	0.009	0.011	0.010		0.007	0.009	0.008		0.007	0.012	0.010		0.014	0.026	0.019	
14:30	0.009	0.011	0.010		0.008	0.009	0.009		0.009	0.027	0.012		0.012	0.021	0.016	
14:45	0.009	0.011	0.010		0.007	0.010	0.009		0.008	0.012	0.010		0.011	0.015	0.012	
15:00	0.009	0.011	0.010	0.010	0.008	0.009	0.009	0.009	0.010	0.012	0.011	0.011	0.012	0.026	0.016	0.016
15:15	0.009	0.011	0.011		0.008	0.009	0.008		0.010	0.011	0.011		0.012	0.018	0.014	
15:30	0.007	0.015	0.010		0.007	0.010	0.009		0.009	0.011	0.010		0.012	0.014	0.013	
15:45	0.009	0.011	0.010		0.008	0.009	0.009		0.000	0.011	0.010		0.011	0.013	0.012	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday May 7, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				**HS2**				**HS3**				**HS4**			
	Downwind/Upwind (g)				**Downwind**				**Upwind/Downwind (g)**				**Downwind**			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				**ppm**				**ppm**				**ppm**			
16:00	0.010	0.011	0.011	0.010	0.009	0.009	0.009	0.009	0.010	0.011	0.011	0.010	0.010	0.011	0.010	0.013
16:15	0.010	0.012	0.011		0.008	0.009	0.009		0.010	0.011	0.011		0.010	0.011	0.011	
16:30	0.011(b)	0.011(b)	0.011(b)		0.007(b)	0.009(b)	0.009(b)		0.010(b)	0.011(b)	0.010(b)		0.010	0.018	0.011	
16:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		0.011(b)	0.011(b)	0.011(b)	
17:00	(c)	(c)	(c)	0.011(b)	(c)	(c)	(c)	0.009(b)	(c)	(c)	(c)	0.011(b)	(c)	(c)	(c)	0.011(b)
17:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.010**				**0.008**				**0.009**				**0.009**			
Sampler Start Time	8:25 AM				7:34 AM				6:46 AM				7:24 AM			
Sampler End Time	4:18 PM				4:27 PM				4:22 PM				4:31 PM			

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

1-hour TWA is calculated as an average of the 1-minute logged data within the hour

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for determining maximum, minimum and average due to battery change, instrument check, instrument change-out or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

(g) The wind shifted during the day, therefore relative upwind/downwind positions of the monitors changed. Until approximately 1:00, the wind was from the south and Station 3 was upwind. After 1:00 the wind was from the north, and therefore Station 1 was upwind. Monitors at Locations 2 and 4 were moved to be positioned in the proper configuration to reflect the modified wind direction. As a result, monitors 2 and 4 were paused for approximately 10 minutes during the repositioning.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, May 7, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind/Upwind (f)	**Downwind**	**Upwind/Downwind (f)**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	(a)	10.4(b)	12.1(b)	13.2(b)
6:30	19.5	8.3	10.0	10.5
7:00	27.7	61.8	41.2	86 (e)
7:30	20.5	45.9	18.3	34.4
8:00	18.4	16.9	16.4	17.3
8:30	17.3	14.7	15.4	15.2
9:00	18.0	12.2	13.8	14.1
9:30	14.9	10.8	18.4	12.0
10:00	16.4	13.3	20.2	14.5
10:30	18.3	12.0	28.3	14.0
11:00	19.8	15.1	18.4	15.2
11:30	19.9	16.6	16.8	14.5
12:00	12.3	5.8	10.3	9.5
12:30	8.3	1.4	5.2	5.7
13:00	6.6	4.7	3.7	4.5
13:30	6.0	0.7	4.5	7.4
14:00	6.5	0.2	3.1	5.9
14:30	6.6	0.1	5.3	7.2
15:00	7.7	0.1	4.3	11.5
15:30	10.1	0.1	5.1	7.3
16:00	13.5	1.7	5.5	8.2
16:30	18.3(b)	5.0	5.8(b)	8.7
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**14.5**	**11.8**	**13.0**	**9.4**
Sampler Start Time	6:01 AM	5:56 AM	5:55 AM	5:53 AM
Sampler End Time	16:17 PM	16:30 PM	16:21 PM	16:30 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) The upwind monitor was at DR3 at this time (see comment below), and while the average concentration at DR4 is high, the difference between the upwind (DR3) and downwind monitor (DR4) did not exceed the Action Limit.

(f) The wind shifted during the day, therefore relative upwind/downwind positions of the monitors changed. Until approximately 1:00, the wind was from the south and Station 3 was upwind. After 1:00 the wind was from the north, and therefore Station 1 was upwind. Monitors at Locations 2 and 4 were moved to be positioned in the proper configuration to reflect the modified wind direction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, May 10, 2004**

1) Exceedances:

There was an exceedance of the Particulate Matter Action Limit during the 9:01-9:30 averaging period at DR4. The 30 minute TWA for this period at DR4, a downwind monitor, was 116.5 ug/m3. The upwind monitor 30 minute TWA for this same period was 10.8 ug/m3. This represents a difference of 105.7 ug/m3, which exceeds the Action Limit (downwind monitor greater than 54 ug/m3 above upwind monitor). The cause of this exceedance appears to be due to exhaust fumes from the tractor trailer truck used to pump cement into the lagoon. In addition, cement was being blown into the corner of the lagoon closest to the monitors at Station 4. Dust suppression methods were being employed at the time. This exceedance was not observed on the hourly monitor checks due to a previous peak reading.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 65°F
Average wind speed: 5.5 MPH
Predominant wind direction: South

5) Site Activity:
Start Time: 7:45 AM (Began applying cement at 6:45 am)
Stop Time: 4:00 PM
Description: Applied Portland cement, stabilized sludge, excavated stabilized material.

6) Other:
There is no additional discussion.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, May 10, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.000(b)	0.026(b)	0.006(b)	(a)	(a)	(a)	0.000(b)	0.000(b)	0.000(b)	(a)	(a)	(a)
7:15	0.000	0.052	0.008	0.000(b)	0.000(b)	0.000(b)	0.000	0.000	0.000	(a)	(a)	(a)
7:30	0.000	0.028	0.004	0.000	0.000	0.000	0.000	0.000	0.000	(a)	(a)	(a)
7:45	0.000	0.016	0.001	0.000	0.000	0.000	0.000	0.000	0.000	(a)	(a)	(a)
8:00	0.000	0.016	0.001	0.000	0.000	0.000	0.000	0.000	0.000	(a)	(a)	(a)
8:15	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(a)	(a)	(a)
8:30	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000(b)	0.000(b)	0.000(b)
8:45	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9:00	0.000	0.045	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.693	0.927
9:15	0.000	44.460	0.985	0.000	0.000	0.000	0.000	0.000	0.000	0.175	2.924	1.831
9:30	0.003	6.898	0.330	0.000	0.277	0.045	0.000	0.000	0.000	0.000	0.561	0.105
9:45	0.000	0.218	0.026	0.000	0.266	0.079	0.000	0.000	0.000	0.000	0.000	0.000
10:00	0.000	0.096	0.015	0.000	0.026	0.001	0.000	0.000	0.000	0.000	0.000	0.000
10:15	0.000(d)	0.090(d)	0.020(d)	0.000	0.026	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10:30	(e)	(e)	(e)	0.000	0.186	0.003	0.000	0.000	0.000	0.000	0.000	0.000
10:45	0.004(d)	0.426(d)	0.126(d)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11:00	0.000	0.156	0.034	0.000	0.164	0.004	0.000	0.000	0.000	0.000	0.000	0.000
11:15	0.000	0.157	0.027	0.000	0.000	0.000	0.000	0.127	0.003	0.000	0.000	0.000
11:30	0.001	0.248	0.040	0.000	0.000	0.000	0.000	0.467	0.068	0.000	0.000	0.000
11:45	0.000	0.459	0.053	0.000	0.267	0.003	0.000	0.264	0.029	0.000	0.000	0.000
12:00	0.000	0.235	0.053	0.000	0.093	0.002	0.000	0.040	0.001	0.000	0.000	0.000
12:15	0.000	0.254	0.041	0.000	0.040	0.001	0.000	0.007	0.000	0.000	0.000	0.000
12:30	0.000	0.100	0.019	0.000	0.041	0.001	0.000	0.000	0.000	0.000	0.000	0.000
12:45	0.000	0.058	0.013	0.000	0.009	0.000	0.000	0.009	0.000	0.000	0.000	0.000
13:00	0.000	0.057	0.015	0.000	0.013	0.000	0.000	0.006	0.000	0.000	0.000	0.000
13:15	0.000	0.096	0.019	0.000	0.079	0.002	0.000	0.006	0.000	0.000	0.000	0.000
13:30	0.000	0.067	0.018	0.000	0.040	0.002	0.000	0.007	0.000	0.000	0.000	0.000
13:45	0.000	0.073	0.017	0.000	0.039	0.003	0.000	0.011	0.000	0.000	0.000	0.000
14:00	0.000	0.111	0.024	0.000	0.056	0.001	0.000	0.011	0.000	0.000	0.000	0.000
14:15	0.000	0.095	0.020	0.000	0.050	0.002	0.000	0.012	0.000	0.000	0.000	0.000
14:30	0.000	0.111	0.020	0.000	0.087	0.004	0.000	0.000	0.000	0.000	0.000	0.000
14:45	0.000	0.157	0.021	0.000	0.051	0.003	0.000	0.000	0.000	0.000	0.000	0.000

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, May 10, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.000	12.224	0.249	0.000	0.014	0.001	0.000	0.000	0.000	0.000	0.000	0.000
15:15	0.000	0.096	0.022	0.000	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15:30	0.000	0.111	0.019	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15:45	0.000	0.056	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16:00	0.000	0.057	0.009	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16:15	0.000	0.045	0.005	0.000	0.022	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16:30	0.000	0.080	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16:45	0.000	0.041	0.003	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000	0.000	0.000
17:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.000(b)	0.000(b)
17:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
17:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
17:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
18:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Daily Average	**0.059**			**0.004**			**0.003**			**0.083**		
Sampler Start Time	7:00 AM			7:05 AM			6:49 AM			8:21 AM		
Sampler End Time	16:45 PM			16:39 PM			16:35 PM			16:57 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) No data due to equipment replacement.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, May 10, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.001(b)	0.003(b)	0.003(b)	0.003(b)	0.001(b)	0.003(b)	0.002(b)	0.002(b)
7:15	0.002(b)	0.005(b)	0.003(b)		0.001(b)	0.002(b)	0.002(b)		0.002	0.004	0.003		0.003	0.011	0.005	
7:30	0.000	0.006	0.004		0.002	0.003	0.002		0.002	0.004	0.003		0.004	0.008	0.005	
7:45	0.001	0.008	0.004		0.002	0.003	0.002		0.002	0.004	0.003		0.004	0.011	0.006	
8:00	0.003	0.006	0.004	0.004(b)	0.001	0.003	0.002	0.002(b)	0.001	0.003	0.002	0.003	0.003	0.007	0.005	0.005
8:15	0.002	0.004	0.003		0.001	0.003	0.002		0.000	0.003	0.002		0.002	0.003	0.002	
8:30	0.003	0.005	0.004		0.002	0.004	0.002		0.000	0.002	0.001		0.002	0.004	0.003	
8:45	0.002	0.003	0.003		0.001	0.003	0.002		0.001	0.006	0.002		0.002	0.004	0.002	
9:00	0.003	0.005	0.003	0.003	0.001	0.004	0.002	0.002	0.000	0.003	0.001	0.002	0.002	0.004	0.003	0.003
9:15	0.002	0.009	0.006		0.001	0.004	0.003		0.001	0.003	0.002		0.005	0.014	0.007	
9:30	0.005	0.011	0.008		0.004	0.009	0.006		0.003	0.008	0.005		0.007	0.016	0.012	
9:45	0.008	0.011	0.009		0.007	0.011	0.008		0.005	0.009	0.007		0.011	0.016	0.014	
10:00	0.010	0.013	0.011	0.009	0.008	0.010	0.009	0.006	0.008	0.010	0.009	0.006	0.011	0.031	0.015	0.012
10:15	0.010	0.013	0.011		0.009	0.017	0.010		0.008	0.010	0.010		0.010	0.025	0.015	
10:30	0.010	0.012	0.011		0.007	0.012	0.010		0.009	0.011	0.010		0.014	0.033	0.017	
10:45	0.010	0.020	0.012		0.007	0.009	0.008		0.008	0.010	0.009		0.013	0.020	0.016	
11:00	0.010	0.018	0.013	0.012	0.007	0.009	0.008	0.009	0.008	0.010	0.009	0.009	0.013	0.027	0.016	0.016
11:15	0.011	0.018	0.013		0.008	0.011	0.009		0.009	0.010	0.009		0.013	0.017	0.014	
11:30	0.010	0.017	0.013		0.008	0.009	0.009		0.008	0.010	0.009		0.017	0.020	0.019	
11:45	0.010	0.012	0.011		0.008	0.009	0.009		0.009	0.010	0.009		0.016	0.024	0.020	
12:00	0.010	0.015	0.012	0.012	0.007	0.010	0.008	0.009	0.009	0.009	0.009	0.009	0.015	0.027	0.018	0.018
12:15	0.010	0.017	0.013		0.007	0.009	0.008		0.008	0.010	0.009		0.012	0.019	0.016	
12:30	0.010	0.013	0.011		0.007	0.008	0.008		0.009	0.010	0.009		0.012	0.014	0.013	
12:45	0.010	0.012	0.011		0.007	0.008	0.007		0.008	0.010	0.010		0.011	0.014	0.012	
13:00	0.010	0.011	0.011	0.011	0.007	0.009	0.008	0.008	0.008	0.010	0.009	0.009	0.005(d)	0.013(d)	0.010(d)	0.014(d)
13:15	0.010	0.012	0.011		0.008	0.012	0.008		0.009	0.011	0.010		0.005	0.010	0.008	
13:30	0.010	0.012	0.011		0.007	0.015	0.009		0.009	0.010	0.010		0.005	0.008	0.006	
13:45	0.010	0.013	0.012		0.007	0.011	0.008		0.009	0.010	0.010		0.005	0.015	0.007	
14:00	0.009	0.016	0.012	0.012	0.007	0.010	0.008	0.008	0.009	0.010	0.010	0.010	0.000	0.009	0.006	0.007
14:15	0.010	0.012	0.011		0.007	0.009	0.008		0.008	0.010	0.010		0.004	0.010	0.006	
14:30	0.010	0.012	0.011		0.006	0.008	0.007		0.007	0.011	0.009		0.005	0.010	0.006	
14:45	0.009	0.011	0.010		0.007	0.009	0.008		0.007	0.011	0.009		0.005	0.009	0.006	
15:00	0.010	0.013	0.011	0.011	0.007	0.008	0.007	0.008	0.005	0.011	0.008	0.009	0.005	0.010	0.007	0.006
15:15	0.010	0.013	0.011		0.007	0.010	0.008		0.005	0.011	0.009		0.005	0.013	0.008	
15:30	0.011	0.013	0.012		0.007	0.010	0.009		0.004	0.011	0.008		0.004	0.010	0.008	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, May 10, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
15:45	0.010	0.016	0.012		0.008	0.011	0.009		0.006	0.012	0.009		0.004	0.009	0.007	
16:00	0.011	0.015	0.013	0.012	0.010	0.011	0.010	0.009	0.006	0.013	0.011	0.009	0.004	0.010	0.006	0.007
16:15	0.011	0.013	0.012		0.009	0.010	0.010		0.009	0.012	0.011		0.004	0.007	0.005	
16:30	0.012	0.013	0.013		0.010	0.011	0.010		0.009	0.014	0.012		0.004	0.007	0.005	
16:45	0.012	0.014	0.013		0.010(b)	0.012(b)	0.010(b)		0.011	0.012	0.012		0.004	0.007	0.006	
17:00	0.013(b)	0.014(b)	0.014(b)	0.013(b)	(c)	(c)	(c)	0.010(b)	(c)	(c)	(c)	0.012(b)	0.006(b)	0.006(b)	0.006(b)	0.005(b)
17:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.010**				**0.007**				**0.008**				**0.009**			
Sampler Start Time	7:04 AM				7:08 AM				6:49 AM				6:58 AM			
Sampler End Time	4:47 PM				4:41 PM				4:36 PM				4:50 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, May 10, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	28.8(b)	19.8(b)	33.6(b)	20.3(b)
6:30	23.6	14.8	17.2	18.9
7:00	23.1	14.9	11.5	47.8
7:30	31.5	17.7	11.2	32.3
8:00	23.9	16.0	10.4	38.4
8:30	19.8	16.8	9.5	20.5
9:00	23.0	18.0	10.5	24.6
9:30	51.1	16.9	10.8	**116.5(e)**
10:00	39.4	20.4	9.4	34.0
10:30	47.0	15.5	9.4	37.4
11:00	40.2	17.9	11.0	22.6
11:30	35.1	12.6	12.0	28.9
12:00	30.9	13.4	12.1	28.6
12:30	27.1	14.5	13.0	20.0
13:00	31.2	16.1	15.7	26.7
13:30	38.0	18.2	19.9	34.9
14:00	35.1	18.5	19.9	25.3
14:30	35.5	20.5	19.1	24.1
15:00	38.3	19.9	19.3	23.6
15:30	39.7	14.6	21.7	27.0
16:00	42.6	14.8	24.3	28.3
16:30	45.9	26.5	27.1	29.2
17:00	46.3(b)	26.2(b)	27.8(b)	29.7(b)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**34.7**	**17.3**	**15.2**	**32.7**
Sampler Start Time	5:57 AM	5:58 AM	5:56 AM	5:57 AM
Sampler End Time	16:47 PM	16:42 PM	16:35 PM	16:50 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) Exceedance of the action limit due to vehicle exhaust and cement being applied in the corner of the lagoon closest to station 4.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday May 11, 2004**

1) Exceedances:

There was an exceedance of the Particulate Matter Action Limit during the 8:31-9:00 averaging period at DR4. The 30 minute TWA for this period at DR4, a downwind monitor, was 184.5 ug/m3. The upwind monitor 30 minute TWA for this same period was 33.0 ug/m3. This represents a difference of 151.5 ug/m3, which exceeds the Action Limit (downwind monitor greater than 54 ug/m3 above upwind monitor). The cause of this exceedance was dust emissions resulting from a breech in the seal around the hood used to pump in Portland cement. DR4 is located in close proximity to where Portland cement is applied.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 74°F
Average wind speed: 3.6 MPH
Predominant wind direction: North

5) Site Activity:
Start Time: 7:30 AM (Began applying cement at 6:25 am)
Stop Time: 6:00 PM
Description: Applied Portland cement and stabilized sludge.

6) Other:
The Particulate Matter monitor at Station 3, DR3, was operational but stopped logging at 12:06. Field data readings are used in place of logged data for the period following 12:06.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 11, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.250(b)	0.090(b)	0.000(b)	0.436(b)	0.062(b)
7:00	(a)	(a)	(a)	0.000	0.167	0.060	0.000	0.248	0.085	0.000	0.373	0.104
7:15	0.000(b)	0.036(b)	0.004(b)	0.132	0.468	0.237	0.000	0.221	0.084	0.000	0.501	0.155
7:30	0.000	0.010	0.000	0.000	0.581	0.365	0.000	0.238	0.076	0.000	0.435	0.156
7:45	0.000	0.006	0.000	0.000	0.802	0.325	0.000	0.243	0.083	0.000	0.576	0.209
8:00	0.000	0.014	0.000	0.000	1.145	0.675	0.000	0.218	0.081	0.000	0.453	0.166
8:15	0.000	0.008	0.000	0.036	0.890	0.590	0.000	0.257	0.081	0.000	0.523	0.166
8:30	0.000	0.007	0.000	0.302	0.925	0.602	0.000	0.278	0.086	0.000	0.590	0.223
8:45	0.000	0.009	0.000	0.253	0.608	0.401	0.000	0.226	0.087	0.000	0.636	0.218
9:00	0.000	0.005	0.000	0.149	0.291	0.232	0.000	0.427	0.125	0.000	0.756	0.208
9:15	0.000	0.013	0.000	0.099	0.259	0.154	0.000	0.317	0.117	0.000	0.578	0.191
9:30	0.000	0.008	0.000	0.013	0.149	0.101	0.000	0.373	0.116	0.000	0.481	0.169
9:45	0.000	0.007	0.000	0.000	0.144	0.064	0.000	0.379	0.110	0.000	0.729	0.178
10:00	0.000	0.006	0.000	0.000	0.076	0.023	0.000	0.304	0.100	0.000	0.818	0.191
10:15	0.000	0.008	0.000	0.006	0.058	0.025	0.000	0.363	0.093	0.000	0.962	0.244
10:30	0.000	0.009	0.000	0.000	0.024	0.004	0.000	0.407	0.112	0.000	0.916	0.239
10:45	0.000	0.013	0.000	0.000	0.032	0.008	0.000	0.961	0.104	0.000	0.960	0.223
11:00	0.000	0.009	0.000	0.000	0.019	0.002	0.000	0.438	0.115	0.000	0.936	0.218
11:15	0.000	0.007	0.000	0.000	0.008	0.000	0.000	0.418	0.100	0.000	0.800	0.178
11:30	0.000	0.007	0.000	0.000	0.025	0.001	0.000	0.286	0.097	0.000	0.548	0.183
11:45	0.000	0.008	0.000	0.000	0.057	0.009	0.000	0.285	0.095	0.000	0.488	0.181
12:00	0.000	0.006	0.000	0.000	0.005	0.000	0.000	0.415	0.102	0.007	0.491	0.197
12:15	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.780	0.164	0.000	0.483	0.178
12:30	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.543	0.137	0.000	0.552	0.178
12:45	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.465	0.114	0.000	0.580	0.173
13:00	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.388	0.097	0.000	0.534	0.185
13:15	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.666	0.102	0.000	0.423	0.166
13:30	0.000	0.004	0.000	0.000	0.017	0.000	0.000	0.517	0.106	0.000	0.458	0.163
13:45	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.358	0.106	0.014	0.478	0.184
14:00	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.426	0.116	0.023	0.725	0.205
14:15	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.439	0.106	0.000	0.599	0.185
14:30	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.426	0.108	0.000	0.435	0.161
14:45	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.283	0.078	0.030	0.470	0.173
15:00	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.353	0.098	0.004	0.728	0.180
15:15	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.342	0.090	0.000	0.406	0.179
15:30	0.000	0.004	0.000	0.000	0.291	0.001	0.000	0.292	0.072	0.005	0.531	0.182

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 11, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:45	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.287	0.079	0.000	0.461	0.193
16:00	0.000	0.003	0.000	0.000	0.001	0.000	0.000	0.264	0.079	0.000	0.987	0.248
16:15	0.000	0.020	0.000	0.000	0.003	0.000	0.000	0.309	0.082	0.023	0.791	0.262
16:30	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.233	0.072	0.000	0.908	0.193
16:45	0.000	0.003	0.000	0.000	0.002	0.000	0.000	0.251	0.067	0.000	1.768	0.017
17:00	0.000	0.002	0.000	0.000	0.026	0.000	0.000	0.236	0.063	0.000	3.263	0.034
17:15	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.206	0.056	0.000	2.443	0.026
17:30	0.000	0.016	0.000	0.000	0.000	0.000	0.000	0.199	0.055	0.000	0.000	0.000
17:45	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.200	0.054	0.000	0.000	0.000
18:00	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.219	0.050	0.000	0.000	0.000
18:15	0.000	0.012	0.000	0.000	0.000	0.000	0.000	0.161	0.049	0.000	0.000	0.000
18:30	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.177	0.048	0.000	0.000	0.000
18:45	0.000(b)	0.007(b)	0.000(b)	0.000(b)	0.005(b)	0.010(b)	0.000	0.153	0.043	0.000(b)	0.000(b)	0.000(b)
19:00	(c)	(c)	(c)	(c)	(c)	(c)	0.000(b)	0.146(b)	0.043(b)	(c)	(c)	(c)
Daily Average	**0.000**			**0.081**			**0.090**			**0.159**		
Sampler Start Time	7:03 AM			6:38 AM			6:36 AM			6:32 AM		
Sampler End Time	18:33 PM			18:39 PM			18:50 PM			18:36 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 11, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		0.005(b)	0.007(b)	0.006(b)	
7:00	(a)	(a)	(a)	(a)	0.003(b)	0.005(b)	0.004(b)	0.004(b)	0.004(b)	0.007(b)	0.005(b)	0.005(b)	0.004	0.007	0.006	0.006(b)
7:15	0.004(b)	0.006(b)	0.005(b)		0.003	0.005	0.004		0.003	0.007	0.004		0.002	0.009	0.005	
7:30	0.004	0.007	0.005		0.000	0.004	0.002		0.002	0.005	0.003		0.002	0.010	0.004	
7:45	0.003	0.006	0.005		0.000	0.004	0.003		0.002	0.007	0.004		0.002	0.009	0.005	
8:00	0.003	0.007	0.005	0.005(b)	0.000	0.004	0.002	0.003	0.003	0.007	0.004	0.004	0.005	0.009	0.007	0.005
8:15	0.005	0.007	0.006		0.000	0.007	0.004		0.003	0.007	0.006		0.007	0.011	0.009	
8:30	0.004	0.013	0.007		0.000	0.007	0.005		0.005	0.010	0.007		0.008	0.013	0.009	
8:45	0.007	0.008	0.008		0.000	0.007	0.005		0.007	0.021	0.009		0.008	0.014	0.010	
9:00	0.007	0.009	0.008	0.007	0.000	0.006	0.003	0.004	0.008	0.013	0.010	0.008	0.009	0.015	0.012	0.010
9:15	0.008	0.010	0.009		0.000	0.009	0.006		0.006	0.010	0.009		0.012	0.016	0.013	
9:30	0.008	0.010	0.010		0.000	0.009	0.006		0.007	0.010	0.009		0.012	0.015	0.013	
9:45	0.008	0.011	0.010		0.000	0.009	0.007		0.007	0.011	0.009		0.011	0.260	0.036	
10:00	0.010	0.011	0.010	0.010	0.008	0.009	0.008	0.007	0.007	0.013	0.009	0.009	0.011	0.017	0.013	0.019
10:15	0.009	0.011	0.010		0.000	0.009	0.008		0.006	1.600	0.119		0.009	0.037	0.016	
10:30	0.009	0.010	0.010		0.000	0.008	0.006		0.007	0.014	0.009		0.010	0.044	0.018	
10:45	0.009	0.010	0.010		0.000	0.009	0.005		0.007	0.047	0.012		0.011	0.054	0.017	
11:00	0.009	0.010	0.010	0.010	0.008	0.009	0.009	0.007	0.002	0.018	0.010	0.037	0.011	0.062	0.020	0.018
11:15	0.010	0.011	0.010		0.008	0.009	0.009		0.000	0.027	0.009		0.010	0.046	0.017	
11:30	0.009	0.010	0.010		0.008	0.009	0.008		0.007	0.030	0.011		0.010	0.016	0.012	
11:45	0.008	0.011	0.010		0.007	0.009	0.008		0.003	0.011	0.009		0.011	0.016	0.012	
12:00	0.009	0.011	0.010	0.010	0.008	0.010	0.009	0.009	0.010	0.014	0.011	0.010	0.010	0.019	0.013	0.013
12:15	0.009	0.011	0.010		0.008	0.010	0.009		0.009	0.036	0.015		0.011	0.034	0.015	
12:30	0.010	0.011	0.010		0.008	0.010	0.009		0.008	0.011	0.010		0.011	0.015	0.013	
12:45	0.009	0.011	0.010		0.009	0.010	0.010		0.008	0.014	0.011		0.010	0.013	0.011	
13:00	0.009	0.011	0.010	0.010	0.009	0.010	0.010	0.009	0.000	0.013	0.009	0.011	0.009	0.014	0.011	0.013
13:15	0.010	0.011	0.010		0.008	0.010	0.009		0.008	0.012	0.010		0.009	0.016	0.012	
13:30	0.009	0.010	0.010		0.008	0.010	0.009		0.008	0.017	0.011		0.009	0.012	0.011	
13:45	0.008	0.011	0.010		0.009	0.010	0.009		0.008	0.014	0.010		0.008	0.012	0.009	
14:00	0.009	0.011	0.010	0.010	0.008	0.010	0.009	0.009	0.002	0.015	0.011	0.011	0.009	0.014	0.010	0.011
14:15	0.009	0.013	0.010		0.009	0.010	0.010		0.006	0.019	0.011		0.009	0.013	0.010	
14:30	0.009	0.011	0.010		0.008	0.010	0.009		0.009	0.020	0.012		0.009	0.012	0.010	
14:45	0.009	0.010	0.010		0.008	0.010	0.009		0.010	0.012	0.011		0.009	0.017	0.012	
15:00	0.009	0.012	0.010	0.010	0.008	0.010	0.009	0.009	0.008	0.013	0.011	0.011	0.009	0.012	0.010	0.010
15:15	0.010	0.012	0.010		0.007	0.009	0.008		0.009	0.013	0.011		0.008	0.012	0.010	
15:30	0.010	0.011	0.010		0.008	0.009	0.009		0.009	0.011	0.010		0.008	0.011	0.009	
15:45	0.009	0.011	0.010		0.008	0.010	0.009		0.008	0.015	0.010		0.008	0.073	0.018	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 11, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.007	0.012	0.010	0.010	0.008	0.010	0.009	0.009	0.009	0.011	0.010	0.010	0.007	0.043	0.015	0.013
16:15	0.008	0.011	0.010		0.008	0.010	0.009		0.009	0.012	0.010		0.007	0.041	0.012	
16:30	0.010	0.012	0.010		0.008	0.010	0.009		0.009	0.011	0.010		0.007	0.040	0.015	
16:45	0.008	0.010	0.010		0.008	0.009	0.009		0.009	0.011	0.010		0.007	0.062	0.021	
17:00	0.009	0.010	0.010	0.010	0.008	0.010	0.009	0.009	0.010	0.011	0.011	0.010	0.008	0.046	0.017	0.016
17:15	0.009	0.011	0.010		0.007	0.010	0.008		0.009	0.011	0.010		0.008	0.039	0.011	
17:30	0.008	0.010	0.009		0.005	0.009	0.008		0.006	0.011	0.009		0.007	0.028	0.009	
17:45	0.008	0.011	0.009		0.008	0.009	0.008		0.008	0.011	0.010		0.007	0.014	0.008	
18:00	0.009	0.010	0.010	0.010	0.006	0.010	0.009	0.008	0.008	0.011	0.009	0.009	0.008	0.016	0.009	0.009
18:15	0.008	0.010	0.010		0.000	0.010	0.008		0	0.01	0.008		0.000	0.012	0.008	
18:30	0.008	0.010	0.009		0.006	0.009	0.008		0.008	0.011	0.009		0.007	0.008	0.008	
18:45	0.009(b)	0.010(b)	0.009(b)		0.005(b)	0.009(b)	0.008(b)		0.008	0.01	0.009		0.007	0.008	0.008	
19:00	(c)	(c)	(c)	0.009(b)	(c)	(c)	(c)	0.008(b)	0.008(b)	0.009(b)	0.009(b)	0.009(b)	(c)	(c)	(c)	0.008
Daily Average	**0.009**				**0.009**				**0.012**				**0.012**			
Sampler Start Time	7:06 AM				6:56 AM				6:50 AM				6:42 AM			
Sampler End Time	6:34 PM				6:40 PM				6:49 PM				6:45 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 11, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	67.0(b)	36.8(b)	(a)	42.9(b)
6:30	29.1	23.8	75.6	28.7
7:00	26.8	25.2	61.8(c)	32.8
7:30	28.0	14.5	19.9	35.2
8:00	27.9	16.5	27.4	38.2
8:30	31.1	20.1	25.3	47.9
9:00	33.0	22.9	36.2	**184.5(e)**
9:30	35.3	19.1	32.7	30.9
10:00	38.2	16.5	22.0	53.9
10:30	40.9	17.7	20.4	88.6
11:00	40.9	19.3	19.9	38.7
11:30	45.8	24.6	22.0(c)	39.9
12:00	45.5	25.2	23.1	44.0
12:30	41.4	18.8	23.0(c)	39.9
13:00	33.4	11.7	(d)	40.9
13:30	30.1	10.7	18.9 (d)	32.6
14:00	25.8	8.6	(d)	18.7
14:30	24.8	6.4	16.1 (d)	17.9
15:00	21.3	5.1	(d)	23.2
15:30	19.2	4.2	(d)	24.5
16:00	17.3	3.6	11.4(d)	20.8
16:30	32.0	4.5	(d)	38.9
17:00	14.7	2.9	8.6 (d)	22.0
17:30	16.3	1.7	(d)	10.2
18:00	14.2	1.4	(d)	10.4
18:30	13.7	1.0	(d)	7.6
19:00	11.9(b)	0.5(b)	(d)	5.3(b)
Daily Average	**29.4**	**13.1**	**30.0**	**38.2**
Sampler Start Time	5:53 AM	5:54 AM	6:16 AM	5:51 AM
Sampler End Time	18:34 PM	18:42 PM	12:06 PM	18:45 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) This value represents less than the full number of data points necessary for averaging due to instrument logging failure.

(d) Instrument operational, but not logging. Field readings from the monitor of the running average from 12:07 were used to evaluate particulate concentrations and are noted in the time frame that the reading occurred.

(e) An exceedance of the action limit due to dust emissions related to a breech in the seal around the hood used to pump in Portland cement.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, May 12, 2004**

1) Exceedances:

There was an exceedance of the Particulate Matter Action Limit during the 6:31-7:00 averaging period at DR4. The 30 minute TWA for this period at DR4, a downwind monitor, was 79.3 ug/m3. The upwind monitor 30 minute TWA for this same period was 10.4 ug/m3. This represents a difference of 68.9 ug/m3, which exceeds the Action Limit (downwind monitor greater than 54 ug/m3 above upwind monitor). The cause of this exceedance appears to be due to exhaust fumes from the tractor trailer truck used to pump cement into the lagoon. In addition, cement was being blown into the lagoon in close proximity to Station 4. Dust suppression methods were being employed at the time.

2) Sampling Procedures:

Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:

VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:

Average daily temperature: 76°F
Average wind speed: 3 MPH
Predominant wind direction: South

5) Site Activity:

Start Time: 7:30 AM (Began applying cement at 6:30 am)
Stop Time: 4:45 PM
Description: Applied Portland cement and stabilized sludge.

6) Other:

No other items for discussion.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 12, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	0.133(b)	0.783(b)	0.383(b)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	0.000	0.943	0.2334	0.000(b)	0.541(b)	0.162(b)
7:15	0.000(b)	0.525(b)	0.067(b)	0.000(b)	0.034(b)	0.007(b)	0.000	0.158	0.025	0.000	0.569	0.195
7:30	0.000	0.071	0.021	0.000	0.031	0.016	0.000	0.134	0.024	0.000	0.506	0.188
7:45	0.000	0.049	0.017	0.005	0.047	0.024	0.000	0.123	0.026	0.000	0.497	0.198
8:00	0.000	0.069	0.022	0.010	0.089	0.031	0.000	0.117	0.022	0.000	0.487	0.190
8:15	0.000	0.051	0.016	0.004	0.053	0.018	0.000	0.139	0.025	0.000	0.446	0.197
8:30	0.000	0.157	0.031	0.000	0.039	0.009	0.000	0.132	0.023	0.000	0.563	0.205
8:45	0.000	0.166	0.049	0.000	0.129	0.025	0.000	0.122	0.021	0.000	1.080	0.272
9:00	0.003	0.204	0.040	0.000	0.129	0.026	0.000	0.132	0.023	0.000	0.680	0.214
9:15	0.000	0.095	0.025	0.000	0.064	0.009	0.000	0.124	0.022	0.000	0.715	0.191
9:30	0.000	0.039	0.017	0.000	0.045	0.015	0.000	0.123	0.024	0.000	0.470	0.175
9:45	0.000	0.053	0.015	0.000	0.029	0.005	0.000	0.118	0.020	0.000	0.398	0.149
10:00	0.001	0.164	0.028	0.000	0.040	0.009	0.000	0.110	0.020	0.000	0.423	0.146
10:15	0.003	0.072	0.019	0.000	0.148	0.032	0.000	0.118	0.016	0.000	1.144	0.169
10:30	0.000	0.108	0.027	0.000	0.213	0.010	0.000	0.175	0.014	0.000	0.418	0.135
10:45	0.000	0.027	0.009	0.000	0.009	0.001	0.000	0.272	0.028	0.000	0.354	0.100
11:00	0.000	0.026	0.010	0.000	0.005	0.000	0.000	0.152	0.021	0.000	0.422	0.110
11:15	0.000	0.025	0.010	0.000	0.004	0.000	0.000	0.304	0.025	0.000	0.353	0.113
11:30	0.000	0.024	0.009	0.000	0.006	0.001	0.000	0.168	0.025	0.031	0.465	0.132
11:45	0.000	0.029	0.010	0.000	0.007	0.001	0.000	0.217	0.035	0.000	0.493	0.140
12:00	0.000	0.027	0.009	0.000	0.006	0.001	0.000	0.165	0.032	0.126	0.165	0.146
12:15	0.000	0.026	0.009	0.000	0.005	0.001	0.000	0.257	0.045	0.078	0.264	0.174
12:30	0.000	0.027	0.009	0.000	0.007	0.002	0.000	0.209	0.032	0.191	0.266	0.212
12:45	0.000	0.029	0.009	0.000	0.019	0.002	0.000	0.237	0.039	0.200	0.278	0.250
13:00	0.000	0.054	0.008	0.000	0.069	0.004	0.000	0.107	0.020	0.264	0.366	0.294
13:15	0.000	0.033	0.008	0.000	0.007	0.002	0.000	0.199	0.031	0.251	0.467	0.324
13:30	0.000	0.031	0.009	0.000	0.006	0.001	0.000	0.247	0.038	0.313	0.368	0.341
13:45	0.000	0.036	0.009	0.000	0.004	0.001	0.000	0.142	0.021	0.352	0.571	0.375
14:00	0.000	0.029	0.009	0.000	0.005	0.001	0.000	0.148	0.022	0.385	0.449	0.419
14:15	0.000	0.031	0.011	0.000	0.007	0.001	0.000	0.130	0.025	0.261	0.499	0.466
14:30	0.000	0.029	0.010	0.000	0.008	0.002	0.000	0.246	0.033	0.487	0.558	0.524
14:45	0.000	0.028	0.010	0.000	0.007	0.002	0.000	0.191	0.025	0.546	0.568	0.557

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 12, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.000	0.034	0.012	0.000	0.011	0.003	0.000	0.147	0.018	0.481	0.583	0.547
15:15	0.000	0.029	0.011	0.000	0.009	0.003	0.000	0.152	0.023	0.544	0.583	0.564
15:30	0.000	0.191	0.014	0.000	0.011	0.003	0.000	0.229	0.024	0.571	0.756	0.592
15:45	0.000	0.030	0.011	0.000	0.008	0.002	0.000	0.099	0.014	0.552	0.619	0.590
16:00	0.000	0.033	0.011	0.000	0.008	0.001	0.000	0.156	0.023	0.528	0.561	0.542
16:15	0.000	0.038	0.011	0.000	0.008	0.000	0.000	0.117	0.018	0.408	0.999	0.539
16:30	0.000	0.031	0.011	0.000	0.007	0.001	0.000	0.123	0.020	0.526	0.567	0.545
16:45	0.000	0.029	0.009	0.000	0.009	0.002	0.000	0.171	0.018	0.511	0.562	0.539
17:00	0.000	0.095	0.011	0.000	0.030	0.003	0.000	0.136	0.019	0.429	0.521	0.477
17:15	0.000	0.034	0.010	0.000	0.019	0.004	0.000	0.128	0.018	0.352	0.440	0.392
17:30	0.000(b)	0.032(b)	0.010(b)	0.000(b)	0.007(b)	0.001(b)	0.000(b)	0.070(b)	0.010(b)	0.295(b)	0.363(b)	0.343(b)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.034**			**0.013**			**0.108**			**0.405**		
Sampler Start Time	7:05 AM			7:10 AM			6:42 AM			6:56 AM		
Sampler End Time	17:22 PM			17:19 PM			17:16 PM			17:22 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 12, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.001	0.003	0.002	0.002(b)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)		0.002(b)	0.002(b)	0.002(b)		0.002	0.004	0.003		0.001(b)	0.007(b)	0.003(b)	
7:30	(a)	(a)	(a)		0.003	0.006	0.005		0.003	0.004	0.003		0.002	0.007	0.005	
7:45	(a)	(a)	(a)		0.005	0.009	0.006		0.003	0.005	0.004		0.004	0.012	0.007	
8:00	(a)	(a)	(a)	(a)	0.006	0.010	0.007	0.005(b)	0.003	0.005	0.004	0.004	0.004	0.010	0.005	0.005(b)
8:15	(a)	(a)	(a)		0.004	0.007	0.006		0.003	0.006	0.004		0.004	0.006	0.005	
8:30	(a)	(a)	(a)		0.005	0.007	0.006		0.004	0.006	0.005		0.004	0.007	0.005	
8:45	0.004	0.007	0.006		0.006	0.008	0.007		0.005	0.007	0.006		0.006	0.015	0.009	
9:00	0.005	0.009	0.007	0.006(b)	0.007	0.009	0.007	0.007	0.006	0.007	0.007	0.006	0.009	0.019	0.012	0.008
9:15	0.006	0.008	0.007		0.005	0.007	0.006		0.005	0.007	0.006		0.007	0.011	0.009	
9:30	0.006	0.007	0.007		0.005	0.008	0.007		0.006	0.007	0.006		0.007	0.009	0.008	
9:45	0.006	0.008	0.007		0.005	0.010	0.007		0.006	0.007	0.006		0.006	0.009	0.007	
10:00	0.007	0.008	0.007	0.007	0.004	0.008	0.007	0.007	0.007	0.008	0.007	0.007	0.006	0.007	0.007	0.008
10:15	0.007	0.010	0.009		0.005	0.008	0.007		0.006	0.008	0.008		0.007	0.026	0.010	
10:30	0.008	0.012	0.010		0.006	0.009	0.007		0.007	0.010	0.009		0.009	0.013	0.011	
10:45	0.008	0.010	0.009		0.002	0.009	0.007		0.009	0.010	0.009		0.007	0.010	0.008	
11:00	0.008	0.010	0.009	0.009	0.006	0.008	0.007	0.007	0.008	0.010	0.009	0.009	0.006	0.008	0.007	0.009
11:15	0.008	0.010	0.009		0.006	0.009	0.008		0.008	0.010	0.009		0.006	0.008	0.007	
11:30	0.009	0.010	0.010		0.007	0.009	0.008		0.008	0.011	0.010		0.006	0.008	0.007	
11:45	0.009	0.011	0.010		0.008	0.010	0.009		0.009	0.012	0.010		0.007	0.008	0.007	
12:00	0.010	0.012	0.011	0.010	0.009	0.009	0.009	0.008	0.010	0.013	0.011	0.010	0.007	0.009	0.008	0.007
12:15	0.010	0.012	0.010		0.009	0.010	0.009		0.010	0.011	0.010		0.007	0.009	0.008	
12:30	0.010	0.012	0.011		0.008	0.010	0.009		0.010	0.011	0.010		0.008	0.009	0.008	
12:45	0.010	0.011	0.010		0.007	0.010	0.009		0.010	0.011	0.010		0.007	0.008	0.008	
13:00	0.010	0.011	0.011	0.010	0.008	0.010	0.009	0.009	0.009	0.011	0.010	0.010	0.007	0.010	0.008	0.008
13:15	0.010	0.012	0.011		0.007	0.010	0.009		0.009	0.011	0.011		0.007	0.010	0.008	
13:30	0.010	0.012	0.011		0.000	0.009	0.005		0.010	0.016	0.012		0.007	0.009	0.008	
13:45	0.009	0.011	0.010		0.000	0.009	0.007		0.010	0.012	0.011		0.007	0.009	0.008	
14:00	0.009	0.011	0.010	0.010	0.008	0.010	0.009	0.007	0.010	0.012	0.011	0.011	0.008	0.009	0.008	0.008
14:15	0.010	0.011	0.011		0.008	0.010	0.009		0.010	0.012	0.011		0.007	0.009	0.008	
14:30	0.010	0.013	0.011		0.008	0.010	0.009		0.011	0.015	0.012		0.004	0.009	0.007	
14:45	0.010	0.012	0.011		0.009	0.010	0.009		0.011	0.014	0.012		0.006	0.009	0.008	
15:00	0.010	0.012	0.010	0.011	0.000	0.010	0.008	0.009	0.011	0.014	0.012	0.012	0.007	0.009	0.008	0.008
15:15	0.008	0.011	0.009		0.005	0.010	0.008		0.011	0.013	0.012		0.008	0.011	0.010	
15:30	0.008	0.013	0.012		0.000	0.010	0.006		0.011	0.015	0.013		0.010	0.011	0.010	
15:45	0.010	0.013	0.012		0.005	0.009	0.008		0.012	0.014	0.013		0.009	0.011	0.010	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 12, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.009	0.015	0.011	0.011	0.004	0.009	0.007	0.007	0.011	0.014	0.012	0.012	0.006	0.010	0.008	0.010
16:15	0.006	0.012	0.010		0.003	0.008	0.005		0.011	0.013	0.011		0.000	0.009	0.008	
16:30	0.009	0.011	0.010		0.003	0.010	0.007		0.011	0.012	0.011		0.005	0.009	0.008	
16:45	0.010	0.011	0.011		0.000	0.009	0.005		0.010	0.011	0.011		0.008	0.011	0.009	
17:00	0.008	0.011	0.010	0.010	0.004	0.008	0.006	0.006	0.011	0.012	0.011	0.011	0.006	0.024	0.009	0.008
17:15	0.009	0.011	0.010		0.006	0.009	0.008		0.010	0.012	0.011		0.008	0.011	0.009	
17:30	0.009(b)	0.010(b)	0.009(b)		0.007(b)	0.009(b)	0.008(b)		0.011(b)	0.012(b)	0.012(b)		0.009(b)	0.010(b)	0.009(b)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	0.010(b)	(c)	(c)	(c)	0.008(b)	(c)	(c)	(c)	0.011(b)	(c)	(c)	(c)	0.009(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.010**				**0.007**				**0.009**				**0.008**			
Sampler Start Time	8:31 AM				7:14 AM				6:46 AM				7:02 AM			
Sampler End Time	5:23 PM				5:20 PM				5:17 PM				5:25 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 12, 2004**

Action Limit = downwind monitor greater than 54 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	62.0(b)	42.2(b)	62.2(b)	34.0(b)
6:30	47.7	12.3	12.9	44.2
7:00	25.6	8.6	10.4	**79.31 (e)**
7:30	37.2	11.7	7.9	40.4
8:00	19.4	12.9	7.7	20.2
8:30	18.0	10.3	7.1	25.2
9:00	19.7	11.8	6.8	28.9
9:30	11.5	6.9	7.0	11.8
10:00	10.8	5.1	7.2	9.5
10:30	16.7	5.6	6.2	24.7
11:00	9.9	1.1	7.6	8.2
11:30	15.1	6.6	12.8	10.6
12:00	27.2	19.4	25.2	18.6
12:30	29.6	18.6	23.5	20.3
13:00	29.9	15.4	22.4	20.0
13:30	27.1	16.9	22.0	18.9
14:00	23.6	15.0	20.6	17.2
14:30	27.6	17.1	29.5	18.8
15:00	32.9	20.9	26.4	20.9
15:30	39.7	23.1	30.1	26.4
16:00	41.6	24.4	33.1	26.6
16:30	44.7	27.0	36.8	28.8
17:00	43.1	24.1	35.6	29.6
17:30	41.3(b)	23.0(b)	34.1(b)	28.3(b)
18:00	(c)	(c)	(c)	(c)
Daily Average	**27.9**	**14.7**	**18.9**	**25.1**
Sampler Start Time	5:56 AM	5:57 AM	5:54 AM	5:55 AM
Sampler End Time	17:23 PM	17:21 PM	17:15 PM	17:25 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) Exceedance of Action Limit related to vehicle exhaust and blowing cement in close proximity to monitor.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: Thursday, May 13, 2004

1) Exceedances:

There were two exceedance of the Particulate Matter Action Limit during the 10:01 - 10:30 and 10:31-11:00 averaging periods at DR1. The 30 minute TWA for the 10:01 - 10:30 period at DR1, a downwind monitor, was 104.7 ug/m3. The upwind monitor 30 minute TWA for this same period was 49.6 ug/m3. This represents a difference of 55.1ug/m3, which exceeds the Action Limit (downwind monitor greater than 52 ug/m3 above upwind monitor). For the period of 10:31-11:00 at DR1, the average was 107.3 ug/m3. The upwind monitor 30 minute TWA for this same period was 53.5 ug/m3. This represents a difference of 53.8 ug/m3, which also exceeds the Action Limit. The cause of both of these this exceedances is from exhaust fumes from the tractor trailer truck idling within 50 feet of Station 1.

2) Sampling Procedures:

Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:

VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:

Average daily temperature: 75°F
Average wind speed: 5.5 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time: 7:45 AM (Began applying cement at 6:30 am)
Stop Time: 5:00 PM
Description: Applied Portland cement and stabilized sludge.

6) Other:

Data logged prior to 10:13 am was not downloaded from DR1 prior to re-zeroing the unit at 10:13 due to a high level alarm. At the time of issuing this report (on May 14, 2004), DR1 was in the field, and in order to not compromise data being collected on May 14, the download of DR1 data from the beginnning of May 13 will not be done until the end of the May 14 operating day. This report will then be reissued with the data from start-up until 10:13.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 13, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	0	0.234	0.0807333	0.000(b)	0.034(b)	0.003(b)
7:00	0.000(b)	0.045(b)	0.004(b)	0.000(b)	0.000(b)	0.000(b)	0	0.228	0.0684667	0.000	0.473	0.125
7:15	0.000	5.016	0.152	0.000	1.793	0.657	0	0.201	0.054	0.000	0.490	0.184
7:30	0.000	0.008	0.000	1.759	3.082	2.526	0.000	0.114	0.025	0.000	0.518	0.204
7:45	0.000	0.000	0.000	0.855	2.414	1.317	0.000	0.139	0.034	0.000	0.540	0.200
8:00	0.000	0.115	0.002	0.948	1.899	1.343	0.000	0.108	0.022	0.000	1.218	0.322
8:15	0.000	0.018	0.000	1.642	2.522	2.102	0.000	0.129	0.020	0.000	0.825	0.393
8:30	0.000	0.101	0.007	1.397	2.528	2.044	0.000	0.142	0.035	0.028	0.891	0.428
8:45	0.000	0.055	0.003	0.902	1.599	1.208	0.000	0.188	0.050	0.077	0.955	0.470
9:00	0.000	0.326	0.028	0.841	1.456	1.011	0.000	0.200	0.064	0.066	1.372	0.520
9:15	0.000	0.006	0.000	0.695	1.157	0.925	0.000	0.247	0.081	0.000	0.812	0.451
9:30	0.000	0.044	0.003	0.080	0.807	0.491	0.000	0.250	0.095	0.035	0.787	0.457
9:45	0.000	0.109	0.025	0.000	0.173	0.046	0.000	0.226	0.093	0.000	0.725	0.288
10:00	0.000	0.101	0.015	0.000	0.032	0.001	0.000	0.251	0.090	0.000	0.458	0.164
10:15	0.000	0.306	0.049	0.000	0.036	0.003	0.000	0.275	0.088	0.004	0.533	0.170
10:30	0.000	0.141	0.027	0.000	0.101	0.004	0.000	0.216	0.076	0.000	0.480	0.147
10:45	0.000	0.161	0.035	0.000	0.195	0.006	0.000	0.242	0.075	0.000	0.654	0.144
11:00	0.000	0.105	0.016	0.000	0.018	0.000	0.000	0.206	0.070	0.000	0.450	0.127
11:15	0.000	0.150	0.011	0.000	0.000	0.000	0.000	0.233	0.073	0.000	0.507	0.141
11:30	0.000	7.802	0.177	0.000	0.026	0.000	0.000	0.237	0.074	0.024	0.688	0.150
11:45	0.000	0.135	0.015	0.000	0.035	0.000	0.000	0.224	0.077	0.000	0.495	0.126
12:00	0.000	0.103	0.010	0.000	0.058	0.002	0.000	0.254	0.071	0.006	0.453	0.156
12:15	0.000	0.167	0.018	0.000	0.058	0.001	0.000	0.258	0.075	0.019	0.754	0.189
12:30	0.000	0.106	0.015	0.000	0.069	0.004	0.000	0.253	0.076	0.001	1.038	0.170
12:45	0.000	0.150	0.017	0.000	0.073	0.006	0.000	0.223	0.076	0.012	0.766	0.219
13:00	0.000	0.242	0.019	0.000	0.169	0.012	0.000	0.207	0.071	0.023	0.752	0.202
13:15	0.000	0.074	0.007	0.000	0.057	0.001	0.000	0.221	0.072	0.000	0.438	0.124
13:30	0.000	1.282	0.040	0.000	0.004	0.000	0.000	0.193	0.068	0.006	0.419	0.116
13:45	0.000	0.227	0.012	0.000	0.003	0.000	0.000	0.218	0.073	0.020	0.674	0.142
14:00	0.000	0.095	0.014	0.000	0.088	0.003	0.000	0.235	0.065	0.012	0.946	0.177
14:15	0.000	0.127	0.019	0.000	0.150	0.010	0.000	0.221	0.067	0.034	0.501	0.194
14:30	0.000	0.156	0.008	0.000	0.126	0.005	0.000	0.224	0.063	0.006	0.523	0.194
14:45	0.000	0.180	0.029	0.000	0.084	0.009	0.000	0.199	0.056	0.007	0.536	0.242

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 13, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.000	0.160	0.025	0.000	0.279	0.025	0.000	0.205	0.059	0.059	0.778	0.255
15:15	0.000	0.166	0.021	0.000	0.243	0.018	0.000	0.224	0.054	0.052	0.663	0.267
15:30	0.000	0.119	0.024	0.000	0.262	0.026	0.000	0.165	0.050	0.047	0.602	0.298
15:45	0.000	0.138	0.017	0.000	0.143	0.015	0.000	0.201	0.053	0.049	0.660	0.298
16:00	0.000	0.187	0.026	0.000	0.568	0.026	0.000	0.176	0.050	0.232	0.685	0.340
16:15	0.000	0.113	0.015	0.000	0.152	0.017	0.000	0.204	0.052	0.295	0.677	0.372
16:30	0.000	0.262	0.022	0.000	0.187	0.017	0.000	0.155	0.046	0.248	0.525	0.318
16:45	0.000	0.264	0.011	0.000	0.311	0.013	0.000	0.145	0.047	0.233	0.483	0.298
17:00	0.000	1.492	0.053	0.000	0.205	0.012	0.000	0.152	0.045	0.165	0.563	0.261
17:15	0.000	0.078	0.008	0.000	0.034	0.001	0.000	0.158	0.046	0.174	0.368	0.223
17:30	0.000	0.068	0.006	0.000(b)	0.026(b)	0.001(b)	0.000(b)	0.160(b)	0.053(b)	0.144	0.328	0.201
17:45	0.000(b)	0.004(b)	0.000(b)	(c)	(c)	(c)	(c)	(c)	(c)	0.150(b)	0.457(b)	0.198(b)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.023**			**0.329**			**0.062**			**0.242**		
Sampler Start Time	6:49 AM			6:55 AM			6:31 AM			6:42 AM		
Sampler End Time	17:32 PM			17:29 PM			17:25 PM			17:34 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday May 13, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		0.000(b)	0.000(b)	0.000(b)		(a)	(a)	(a)	
7:00	0.000(b)	0.003(b)	0.001(b)	0.001(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000	0.001	0.000	0.000(b)	0.000	0.000	0.000	0.000(b)
7:15	0.000	0.003	0.001		0.000	0.000	0.000		0.000	0.001	0.001		0.000	0.024	0.004	
7:30	0.000	0.007	0.003		0.000	0.001	0.000		0.000	0.002	0.001		0.005	0.013	0.007	
7:45	0.000	0.009	0.002		0.000	0.003	0.001		0.001	0.003	0.002		0.005	0.039	0.008	
8:00	0.000	0.003	0.002	0.002	0.001	0.002	0.001	0.001	0.001	0.003	0.003	0.002	0.004	0.031	0.008	0.007
8:15	0.002	0.006	0.004		0.001	0.003	0.002		0.002	0.003	0.003		0.006	0.017	0.010	
8:30	0.002	0.005	0.004		0.002	0.002	0.002		0.001	0.003	0.003		0.007	0.014	0.010	
8:45	0.003	0.009	0.005		0.002	0.011	0.003		0.002	0.004	0.003		0.007	0.021	0.011	
9:00	0.005	0.051	0.016	0.007	0.002	0.008	0.003	0.003	0.000	0.400	0.029	0.009	0.009	0.170	0.046	0.019
9:15	0.002	0.012	0.007		0.002	0.007	0.004		0.000	0.010	0.005		0.007	0.470	0.039	
9:30	0.005	0.011	0.007		0.002	0.007	0.005		0.000	0.023	0.005		0.005	0.010	0.007	
9:45	0.007	0.014	0.010		0.000	0.008	0.006		0.002	0.008	0.006		0.009	0.026	0.015	
10:00	0.009	0.013	0.010	0.009	0.000	0.007	0.005	0.005	0.006	0.009	0.008	0.006	0.010	0.025	0.014	0.019
10:15	0.007	0.025	0.011		0.006	0.008	0.007		0.007	0.009	0.009		0.012	0.019	0.015	
10:30	0.009	0.012	0.010		0.006	0.008	0.007		0.007	0.009	0.008		0.013	0.015	0.014	
10:45	0.007	0.011	0.009		0.002	0.007	0.006		0.007	0.009	0.008		0.012	0.016	0.014	
11:00	0.009	0.012	0.010	0.010	0.006	0.008	0.007	0.007	0.007	0.008	0.008	0.008	0.010	0.016	0.013	0.014
11:15	0.009	0.010	0.010		0.000	0.008	0.006		0.007	0.010	0.009		0.010	0.014	0.012	
11:30	0.008	0.010	0.009		0.000	0.008	0.005		0.007	0.009	0.008		0.010	0.014	0.012	
11:45	0.008	0.010	0.009		0.007	0.008	0.007		0.007	0.009	0.008		0.008	0.018	0.011	
12:00	0.008	0.009	0.009	0.009	0.007	0.007	0.007	0.006	0.007	0.009	0.008	0.008	0.008	0.011	0.010	0.011
12:15	0.008	0.010	0.009		0.007	0.007	0.007		0.007	0.009	0.008		0.009	0.015	0.011	
12:30	0.008	0.009	0.009		0.007	0.008	0.007		0.007	0.009	0.008		0.008	0.014	0.010	
12:45	0.005	0.009	0.008		0.007	0.007	0.007		0.007	0.009	0.008		0.010	0.019	0.012	
13:00	0.005	0.009	0.007	0.008	0.006	0.007	0.007	0.007	0.007	0.009	0.008	0.008	0.010	0.012	0.011	0.011
13:15	0.008	0.009	0.008		0.007	0.008	0.007		0.007	0.009	0.008		0.008	0.011	0.009	
13:30	0.008	0.010	0.009		0.007	0.008	0.007		0.008	0.009	0.008		0.007	0.011	0.008	
13:45	0.007	0.013	0.009		0.007	0.008	0.007		0.006	0.009	0.008		0.007	0.010	0.008	
14:00	0.008	0.015	0.009	0.009	0.006	0.007	0.007	0.007	0.005	0.009	0.008	0.008	0.008	0.012	0.010	0.009
14:15	0.007	0.010	0.009		0.007	0.009	0.008		0.008	0.009	0.009		0.009	0.013	0.011	
14:30	0.009	0.011	0.010		0.007	0.008	0.007		0.008	0.010	0.009		0.008	0.016	0.010	
14:45	0.009	0.013	0.011		0.007	0.009	0.008		0.008	0.010	0.009		0.008	0.029	0.013	
15:00	0.010	0.020	0.013	0.011	0.007	0.010	0.008	0.008	0.008	0.010	0.009	0.009	0.010	0.026	0.016	0.013
15:15	0.011	0.034	0.017		0.008	0.019	0.009		0.008	0.010	0.009		0.009	0.065	0.019	
15:30	0.010	0.038	0.016		0.008	0.014	0.010		0.000	0.010	0.008		0.008	0.052	0.020	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday May 13, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
15:45	0.009	0.014	0.010		0.008	0.009	0.008		0.008	0.010	0.009		0.007	0.020	0.010	
16:00	0.004	0.014	0.011	0.014	0.007	0.014	0.009	0.009	0.004	0.010	0.009	0.009	0.007	0.024	0.012	0.015
16:15	0.009	0.013	0.010		0.008	0.010	0.008		0.009	0.010	0.009		0.006	0.021	0.009	
16:30	0.008	0.013	0.010		0.007	0.009	0.008		0.008	0.010	0.009		0.007	0.010	0.007	
16:45	0.008	0.011	0.009		0.007	0.010	0.008		0.008	0.010	0.009		0.007	0.010	0.007	
17:00	0.008	0.013	0.009	0.009	0.008	0.008	0.008	0.008	0.008	0.010	0.009	0.009	0.007	0.008	0.007	0.008
17:15	0.008	0.009	0.008		0.008	0.008	0.008		0.007	0.010	0.009		0.007	0.008	0.007	
17:30	0.008	0.009	0.008		0.000	0.008	0.006		0.008(b)	0.010(b)	0.009(b)		0.007	0.008	0.007	
17:45	0.008(b)	0.008(b)	0.008(b)		(c)	(c)	(c)		(c)	(c)	(c)		0.007(b)	0.008(b)	0.007(b)	
18:00	(c)	(c)	(c)	0.008(b)	(c)	(c)	(c)	0.007(b)	(c)	(c)	(c)	0.009(b)	(c)	(c)	(c)	0.007(b)
Daily Average	**0.009**				**0.006**				**0.007**				**0.012**			
Sampler Start Time	6:52 AM				6:58 AM				6:35 AM				6:46 AM			
Sampler End Time	5:33 PM				5:30 PM				5:25 PM				5:36 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 13, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	(a)	(a)	(a)	56.7(b)
6:30	(f)	72.5(b)	53.4(b)	59.9
7:00	(f)	77.3	45.2	75.0
7:30	(f)	68.0	56.9	89.9
8:00	(f)	63.6	56.7	87.5
8:30	(f)	60.7	57.4	77.7
9:00	(f)	59.1	62.5	85.4
9:30	(f)	62.1	61.0	71.0
10:00	(f)	44.0	47.5	58.1
10:30	**104.7(e)**	42.1	49.6	56.2
11:00	**107.3(e)**	36.4	51.9	53.5
11:30	86.0	38.7	55.2	61.0
12:00	86.6	43.0	62.3	61.7
12:30	90.2	46.6	60.5	59.4
13:00	78.0	42.7	55.4	56.8
13:30	67.5	40.0	49.0	44.6
14:00	67.2	36.3	43.9	44.4
14:30	54.1	27.7	34.8	35.3
15:00	59.8	23.5	29.7	36.3
15:30	50.1	26.7	26.5	31.3
16:00	40.1	23.2	24.1	25.3
16:30	41.5	17.3	22.9	26.7
17:00	35.2	12.3	20.3	21.6
17:30	31.7	14.1	19.2(b)	18.9
18:00	27.0(b)	13.4(b)	(c)	17.0(b)
Daily Average	**65.3**	**42.4**	**45.6**	**53.5**
Sampler Start Time	10:13 AM	6:03 AM	6:04 AM	5:59 AM
Sampler End Time	17:34 PM	17:31 PM	17:25 PM	17:36 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to tractor trailer idling nearby.

(f) Data logged prior to 10:13 am was not downloaded from DR1 prior to re-zeroing the unit at 10:13 due to a high level alarm. At the time of issuing this report (on May 14, 2004), DR1 was in the field, and in order to not compromise data being collected on May 14, the download of DR1 data from the beginnning of May 13 will not be done until the end of the May 14 operating day. This report will then be reissued with the data from start-up until 10:13.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, May 14, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 75°F
Average wind speed: 6 meters/second
Predominant wind direction: South-southeast

5) Site Activity:
Start Time: 7:15 AM (Began applying cement at 6:30 am)
Stop Time: 4:30 PM
Description: Applied Portland cement and stabilized sludge.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, May 14, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	0.008(b)	0.252(b)	0.0985(b)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	0.000	0.262	0.096	0.000(b)	0.493(b)	0.096(b)
7:15	0.000(b)	0.076(b)	0.008(b)	0.000(b)	0.008(b)	0.000(b)	0.000	0.253	0.093	0.000	0.333	0.077
7:30	0.000	0.063	0.002	0.000	0.029	0.001	0.000	0.249	0.093	0.000	0.410	0.118
7:45	0.000	0.076	0.002	0.000	0.076	0.014	0.000	0.247	0.093	0.000	0.497	0.152
8:00	0.000	0.030	0.001	0.012	0.170	0.036	0.000	0.246	0.096	0.000	0.415	0.126
8:15	0.000	0.053	0.002	0.044	0.152	0.066	0.000	0.271	0.093	0.000	0.486	0.128
8:30	0.000	0.049	0.003	0.059	0.151	0.085	0.000	0.252	0.095	0.000	0.439	0.131
8:45	0.000	0.751	0.014	0.065	0.170	0.097	0.000	0.240	0.091	0.000	0.425	0.126
9:00	0.000	0.060	0.002	0.069	0.173	0.107	0.000	0.262	0.105	0.000	0.432	0.128
9:15	0.000	0.030	0.001	0.027	0.246	0.104	0.000	0.261	0.095	0.000	0.416	0.131
9:30	0.000	0.078	0.006	0.000	0.247	0.080	0.000	0.268	0.101	0.000	0.379	0.124
9:45	0.000	0.114	0.007	0.000	0.219	0.013	0.000	0.276	0.095	0.000	0.464	0.110
10:00	0.000	0.080	0.005	0.000	0.214	0.024	0.000	0.271	0.097	0.000	0.604	0.125
10:15	0.000	0.079	0.006	0.000	0.149	0.006	0.000	0.250	0.097	0.000	0.430	0.117
10:30	0.000	0.025	0.000	0.000	0.037	0.001	0.000	0.289	0.100	0.000	0.334	0.096
10:45	0.000	0.033	0.001	0.000	0.264	0.021	0.000	0.264	0.098	0.000	0.354	0.091
11:00	0.000	4.184	0.026	0.000	0.073	0.006	0.000	0.270	0.101	0.000	0.386	0.063
11:15	0.000	0.013	0.000	0.000	0.096	0.008	0.000	0.276	0.099	0.000	0.321	0.063
11:30	0.000	0.073	0.007	0.000	0.087	0.009	0.000	0.244	0.091	0.000	0.422	0.070
11:45	0.000	0.097	0.006	0.000	0.130	0.014	0.000	0.272	0.094	0.000	0.572	0.103
12:00	0.000	0.097	0.004	0.000	0.104	0.014	0.000	5.553	0.125	0.000	0.561	0.082
12:15	0.000	0.018	0.000	0.000	0.031	0.000	0.000	0.297	0.103	0.000	0.390	0.056
12:30	0.000	0.074	0.002	0.000	0.124	0.008	0.000	0.255	0.094	0.000	0.476	0.067
12:45	0.000	0.097	0.002	0.000	0.093	0.007	0.000	0.252	0.092	0.000	0.381	0.095
13:00	0.000	0.140	0.004	0.000	0.103	0.003	0.000	0.280	0.091	0.000	0.611	0.108
13:15	0.000	0.026	0.000	0.000	0.040	0.001	0.000	0.317	0.095	0.027	0.622	0.114
13:30	0.000	0.119	0.009	0.000	0.126	0.005	0.000	0.241	0.091	0.000	0.650	0.142
13:45	0.000	0.095	0.003	0.000	0.107	0.006	0.000	0.593	0.096	0.000	0.425	0.117
14:00	0.000	8.993	0.173	0.000	0.000	0.000	0.000	0.230	0.086	0.101	0.412	0.156
14:15	0.000	0.391	0.010	0.000	0.072	0.001	0.000	0.216	0.080	0.054	0.259	0.117
14:30	0.000(d)	0.049(d)	0.003(d)	0.000	0.071	0.003	0.000	0.242	0.093	0.067	0.389	0.134

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, May 14, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
14:45	0.000	0.063	0.002	0.000	0.045	0.002	0.000	0.233	0.084	0.081	0.292	0.132
15:00	0.000	0.012	0.000	0.000	0.000	0.000	0.000	0.257	0.082	0.099	0.370	0.131
15:15	0.000	0.120	0.005	0.000	0.079	0.004	0.000	0.233	0.086	0.120	0.411	0.187
15:30	0.000	0.061	0.001	0.000	0.000	0.000	0.000	1.793	0.108	0.213	0.344	0.260
15:45	0.000	0.183	0.005	0.000	0.156	0.003	0.000	0.204	0.076	0.286	0.641	0.372
16:00	0.000	0.094	0.003	0.000	0.000	0.000	0.000	0.334	0.079	0.318	0.633	0.377
16:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.183	0.073	0.375	0.484	0.405
16:30	0.000	0.085	0.001	0.000	0.000	0.000	0.000	0.214	0.074	0.315	1.512	0.368
16:45	0.000	0.012	0.000	0.000	0.071	0.001	0.000	0.235	0.079	0.282	0.372	0.319
17:00	0.000	0.023	0.000	0.000	0.000	0.000	0.000	0.216	0.076	0.254(b)	0.404(b)	0.289(b)
17:15	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.212(b)	0.072(b)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.008**			**0.019**			**0.092**			**0.151**		
Sampler Start Time	7:05 AM			7:12 AM			6:44 AM			6:58 AM		
Sampler End Time	17:01 PM			17:04 PM			17:09 PM			16:54 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for determining maximum, minimum and average due to battery change, instrument check, instrument change-out or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, May 14, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.004(b)	0.007(b)	0.006(b)	0.006(b)	0.005(b)	0.005(b)	0.005(b)	0.005(b)
7:15	0.006(b)	0.008(b)	0.007(b)		0.005(b)	0.006(b)	0.006(b)		0.005	0.007	0.006		0.005	0.012	0.008	
7:30	0.006	0.008	0.007		0.004	0.006	0.005		0.005	0.007	0.006		0.007	0.011	0.009	
7:45	0.006	0.009	0.008		0.004	0.006	0.005		0.005	0.007	0.006		0.006	0.014	0.009	
8:00	0.006	0.009	0.008	0.007(b)	0.004	0.007	0.005	0.005(b)	0.006	0.008	0.007	0.006	0.008	0.012	0.010	0.009
8:15	0.006	0.008	0.007		0.004	0.006	0.005		0.006	0.007	0.007		0.008	0.011	0.009	
8:30	0.006	0.008	0.008		0.004	0.006	0.005		0.006	0.008	0.007		0.008	0.014	0.010	
8:45	0.006	0.010	0.008		0.004	0.006	0.005		0.006	0.007	0.006		0.008	0.012	0.010	
9:00	0.006	0.009	0.008	0.007	0.003	0.006	0.005	0.005	0.004	0.007	0.006	0.006	0.007	0.012	0.009	0.009
9:15	0.007	0.010	0.008		0.004	0.007	0.005		0.006	0.007	0.006		0.007	0.014	0.010	
9:30	0.006	0.011	0.007		0.002	0.011	0.006		0.006	0.008	0.007		0.007	0.013	0.010	
9:45	0.007	0.012	0.008		0.005	0.009	0.007		0.000	0.008	0.006		0.009	0.013	0.010	
10:00	0.007	0.010	0.008	0.008	0.006	0.010	0.007	0.006	0.003	0.007	0.005	0.006	0.007	0.019	0.010	0.010
10:15	0.007	0.010	0.008		0.005	0.009	0.007		0.000	0.008	0.005		0.008	0.014	0.010	
10:30	0.007	0.008	0.008		0.005	0.007	0.006		0.000	0.007	0.004		0.007	0.009	0.008	
10:45	0.007	0.008	0.008		0.006	0.008	0.007		0.000	0.009	0.005		0.007	0.011	0.008	
11:00	0.007	0.008	0.008	0.008	0.005	0.008	0.007	0.007	0.006	0.009	0.008	0.005	0.007	0.022	0.010	0.009
11:15	0.007	0.008	0.008		0.005	0.007	0.007		0.007	0.010	0.008		0.007	0.011	0.008	
11:30	0.007	0.010	0.008		0.007	0.008	0.007		0.007	0.009	0.008		0.007	0.012	0.009	
11:45	0.007	0.010	0.008		0.007	0.011	0.008		0.006	0.010	0.009		0.008	0.014	0.010	
12:00	0.008	0.011	0.010	0.008	0.007	0.009	0.008	0.007	0.006	0.011	0.009	0.008	0.008	0.014	0.011	0.009
12:15	0.008	0.010	0.010		0.007	0.011	0.008		0.008	0.010	0.009		0.008	0.010	0.009	
12:30	0.009	0.012	0.010		0.007	0.008	0.008		0.009	0.012	0.010		0.007	0.012	0.008	
12:45	0.008	0.013	0.010		0.007	0.009	0.008		0.008	0.011	0.009		0.008	0.011	0.009	
13:00	0.009	0.012	0.010	0.010	0.007	0.013	0.009	0.008	0.009	0.011	0.010	0.010	0.007	0.015	0.010	0.009
13:15	0.008	0.010	0.009		0.007	0.008	0.008		0.008	0.010	0.009		0.007	0.013	0.008	
13:30	0.008	0.018	0.010		0.007	0.009	0.008		0.008	0.010	0.009		0.007	0.008	0.008	
13:45	0.008	0.010	0.009		0.007	0.008	0.008		0.001	0.010	0.008		0.008	0.010	0.008	
14:00	0.008	0.012	0.009	0.009	0.007	0.008	0.007	0.008	0.009	0.010	0.010	0.009	0.005	0.013	0.008	0.008
14:15	0.008	0.012	0.009		0.007	0.008	0.007		0.008	0.011	0.010		0.007	0.010	0.008	
14:30	0.008	0.009	0.009		0.007	0.008	0.007		0.007	0.010	0.009		0.007	0.010	0.008	
14:45	0.008	0.010	0.009		0.007	0.008	0.008		0.008	0.010	0.009		0.007	0.015	0.009	
15:00	0.008	0.011	0.009	0.009	0.006	0.008	0.008	0.007	0.007	0.012	0.009	0.009	0.007	0.013	0.008	0.008
15:15	0.008	0.011	0.009		0.007	0.009	0.008		0.007	0.011	0.009		0.000	0.010	0.008	
15:30	0.007	0.009	0.008		0.006	0.008	0.007		0.007	0.010	0.009		0.002	0.010	0.008	
15:45	0.008	0.010	0.009		0.000	0.008	0.006		0.008	0.010	0.009		0.007	0.010	0.008	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, May 14, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.008	0.009	0.008	0.009	0.007	0.008	0.008	0.007	0.007	0.011	0.009	0.009	0.007	0.012	0.009	0.008
16:15	0.006	0.009	0.008		0.007	0.008	0.008		0.008	0.009	0.008		0.007	0.015	0.008	
16:30	0.008	0.009	0.008		0.007	0.008	0.007		0.005	0.009	0.008		0.006	0.011	0.008	
16:45	0.008	0.009	0.008		0.006	0.008	0.007		0.004	0.011	0.008		0.007	0.010	0.008	
17:00	0.007	0.010	0.008	0.008	0.006	0.008	0.007	0.007	0.008	0.010	0.009	0.008	0.004(b)	0.008(b)	0.007(b)	0.008(b)
17:15	0.008(b)	0.008(b)	0.008(b)		0.007(b)	0.008(b)	0.007(b)		0.008(b)	0.009(b)	0.009(b)		(c)	(c)	(c)	
17:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	0.008(b)	(c)	(c)	(c)	0.007(b)	(c)	(c)	(c)	0.009(b)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.008**				**0.007**				**0.008**				**0.009**			
Sampler Start Time	7:09 AM				7:14 AM				6:47 AM				7:00 AM			
Sampler End Time	5:01 PM				5:05 PM				5:09 PM				4:57 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, May 14, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	42.3(b)	(a)	(a)	25.7(b)
6:30	40.8	28.3(b)	21.1(b)	30.6
7:00	52.6	34.4	23.9	43.6
7:30	61.3	36.3	25.7	51.2
8:00	52.4	28.1	27.7	37.9
8:30	60.2	38.6	32.2	47.8
9:00	63.8	41.7	35.0	47.8
9:30	62.6	46.2	38.1	47.6
10:00	67.6	48.7	39.2	47.0
10:30	65.5	46.5	42.6	48.7
11:00	71.6	51.1	44.0	48.5
11:30	76.0	51.6	45.4	53.1
12:00	82.5	55.1	52.0	58.8
12:30	91.2	53.6	58.2	61.5
13:00	89.8	53.2	56.6	76.2
13:30	80.1	47.2	55.7	61.6
14:00	99.9	52.3	63.8	66.9
14:30	131.7	67.8	93.5	92.8
15:00	121.6	68.7	81.2	85.8
15:30	97.0	55.7	68.5	74.1
16:00	92.9	52.9	64.5	67.9
16:30	72.1	45.2	52.8	61.7
17:00	70.7	43.1	48.0	60.0(b)
17:30	65.2(b)	42.4(b)	48.5(b)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**77.4**	**47.6**	**48.8**	**57.6**
Sampler Start Time	6:00 AM	6:04 AM	6:04 AM	5:58 AM
Sampler End Time	17:01 PM	17:07 PM	17:09 PM	16:55 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, May 17, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 67°F
Average wind speed: 2.5 meters/second
Predominant wind direction: South

5) Site Activity:
Start Time: 7:00 AM (Began applying cement at 6:15 am)
Stop Time: 4:40 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, May 17, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.191(b)	0.074(b)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)	(a)	0.000	0.206	0.074	(a)	(a)	(a)
7:30	0.000(b)	0.036(b)	0.006(b)	0.000(b)	0.007(b)	0.000(b)	0.000	0.274	0.073	0.004(b)	0.592(b)	0.193(b)
7:45	0.000	0.758	0.028	0.000	0.000	0.000	0.000	0.234	0.067	0.003	0.586	0.252
8:00	0.000	0.194	0.028	0.000	0.000	0.000	0.000	0.208	0.064	0.000	0.671	0.292
8:15	0.000	0.078	0.006	0.000	0.000	0.000	0.000	0.231	0.059	0.003	0.620	0.264
8:30	0.000	0.015	0.001	0.000	0.000	0.000	0.000	0.190	0.068	0.000	0.589	0.263
8:45	0.000	0.058	0.003	0.000	0.000	0.000	0.000	0.259	0.075	0.000	0.604	0.265
9:00	0.000	0.023	0.001	0.000	0.135	0.005	0.000	0.217	0.068	0.000	0.635	0.264
9:15	0.000	0.012	0.001	0.000	0.255	0.064	0.000	0.257	0.079	0.001	0.559	0.246
9:30	0.000	0.016	0.002	0.015	0.225	0.098	0.000	0.190	0.064	0.000	0.483	0.239
9:45	0.000	0.036	0.003	0.000	0.135	0.039	0.000	0.250	0.098	0.000	0.578	0.238
10:00	0.000	0.014	0.001	0.000	0.070	0.028	0.000	0.213	0.074	0.000	0.554	0.222
10:15	0.000	0.051	0.006	0.000	0.028	0.002	0.000	0.206	0.066	0.000	0.509	0.237
10:30	0.000	0.056	0.004	0.000	0.013	0.000	0.000	0.203	0.071	0.000	0.492	0.204
10:45	0.000	19.918	0.166	0.000	0.064	0.003	0.000	0.198	0.063	0.000	0.551	0.225
11:00	0.000	0.060	0.003	0.000	0.076	0.007	0.000	0.206	0.068	0.009	0.513	0.225
11:15	0.000	0.086	0.012	0.000	0.138	0.016	0.000	0.194	0.067	0.000	0.525	0.190
11:30	0.000(d)	0.116(d)	0.023(d)	0.000	0.078	0.013	0.000	0.196	0.055	0.000	0.475	0.181
11:45	0.000	0.093	0.012	0.000	0.117	0.016	0.000	0.156	0.052	0.001	0.521	0.177
12:00	0.000	6.919	0.107	0.000	0.182	0.016	0.000	0.200	0.051	0.000	0.388	0.158
12:15	0.000	0.132	0.011	0.000	0.077	0.008	0.000	0.154	0.049	0.000	0.402	0.158
12:30	0.000	0.080	0.010	0.000	0.174	0.023	0.000	0.152	0.050	0.000	0.376	0.149
12:45	0.000	0.113	0.013	0.000	0.122	0.008	0.000	0.175	0.041	0.026	0.432	0.152
13:00	0.000	0.052	0.003	0.000	0.167	0.020	0.000	0.157	0.047	0.011	0.376	0.150
13:15	0.000	0.075	0.008	0.000	0.105	0.011	0.000	0.261	0.047	0.042	0.393	0.159
13:30	0.000	0.172	0.010	0.000	0.052	0.002	0.000	0.175	0.051	0.003	0.390	0.141
13:45	0.000	0.103	0.005	0.000	0.036	0.000	0.000	0.186	0.046	0.008	0.404	0.166
14:00	0.000	0.116	0.003	0.000	0.028	0.001	0.000	0.239	0.049	0.005	0.484	0.164
14:15	0.000	0.096	0.009	0.000	0.237	0.005	0.000	0.161	0.043	0.022	0.660	0.200
14:30	0.000	0.578	0.007	0.000	0.000	0.000	0.000	0.170	0.045	0.023	0.447	0.179
14:45	0.000	0.215	0.023	0.000	0.231	0.014	0.000	0.515	0.063	0.034	0.726	0.259

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, May 17, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.000	0.297	0.017	0.000	0.438	0.017	0.000	0.194	0.048	0.033	0.954	0.253
15:15	0.000	0.104	0.003	0.000	0.224	0.010	0.000	0.162	0.047	0.014	0.528	0.229
15:30	0.000	0.018	0.000	0.000	0.018	0.000	0.000	0.183	0.049	0.239	0.593	0.295
15:45	0.000	0.291	0.049	0.000	0.393	0.033	0.000	0.186	0.045	0.318	1.199	0.457
16:00	0.000	0.111	0.007	0.000	0.094	0.008	0.000	0.255	0.059	0.304	1.030	0.419
16:15	0.000	0.409	0.036	0.000	0.241	0.026	0.000	0.189	0.046	0.420	1.813	0.553
16:30	0.000	0.117	0.011	0.000	0.512	0.047	0.000	0.153	0.048	0.393	2.065	0.477
16:45	0.000	2.080	0.039	0.000	0.364	0.042	0.000	0.148	0.046	0.369	0.894	0.485
17:00	0.000	0.164	0.030	0.000	0.737	0.059	0.000	0.137	0.042	0.416	1.579	0.581
17:15	0.000	0.229	0.024	0.000	0.293	0.018	0.000	0.151	0.044	0.428	1.080	0.502
17:30	0.000(b)	0.050(b)	0.010(b)	0.000(b)	0.466(b)	0.049(b)	0.000(b)	0.157(b)	0.045(b)	0.445(b)	1.199(b)	0.504(b)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.018**			**0.017**			**0.057**			**0.267**		
Sampler Start Time	7:23 AM			7:27 AM			6:54 AM			7:19 AM		
Sampler End Time	17:20 PM			17:22 PM			17:27 PM			17:27 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, May 17, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)		(a)	(a)	(a)		0.000	0.001	0.000		(a)	(a)	(a)	
7:30	0.000(b)	0.000(b)	0.000(b)		0.000(b)	0.000(b)	0.000(b)		0.000	0.001	0.000		0.000(b)	0.004(b)	0.000(b)	
7:45	0.000(d)	0.010(d)	0.002(d)		0.000(d)	0.000(d)	0.000(d)		0.000	0.000	0.000		0.000(d)	0.026(d)	0.004(d)	
8:00	0.000	0.006	0.003	0.002(d)(b)	0.000	0.004	0.001	0.001(b)(d)	0.000	0.001	0.000	0.000	0.000	0.030	0.009	0.004(b)(d)
8:15	0.000	0.004	0.001		0.000	0.002	0.000		0.000	0.001	0.000		0.000	0.026	0.005	
8:30	0.000	0.002	0.001		0.000	0.002	0.000		0.000	0.003	0.001		0.000	0.005	0.002	
8:45	0.000	0.003	0.001		0.000	0.002	0.001		0.001	0.003	0.003		0.000	0.005	0.001	
9:00	0.001	0.003	0.002	0.001	0.000	0.002	0.001	0.001	0.002	0.010	0.004	0.002	0.001	0.002	0.002	0.002
9:15	0.003	0.004	0.003		0.002	0.003	0.002		0.003	0.004	0.003		0.002	0.003	0.002	
9:30	0.003	0.005	0.004		0.002	0.004	0.003		0.003	0.007	0.004		0.002	0.013	0.004	
9:45	0.004	0.005	0.004		0.002	0.004	0.003		0.003	0.007	0.005		0.002	0.005	0.003	
10:00	0.004	0.005	0.005	0.004	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.003
10:15	0.005	0.011	0.007		0.004	0.005	0.004		0.004	0.006	0.005		0.004	0.029	0.006	
10:30	0.006	0.007	0.006		0.004	0.005	0.004		0.004	0.005	0.005		0.004	0.007	0.005	
10:45	0.006	0.010	0.008		0.004	0.007	0.005		0.004	0.006	0.006		0.005	0.015	0.007	
11:00	0.005	0.008	0.006	0.007	0.005	0.013	0.007	0.005	0.004	0.006	0.005	0.005	0.005	0.025	0.009	0.007
11:15	0.006	0.012	0.007		0.005	0.009	0.006		0.004	0.007	0.006		0.007	0.013	0.009	
11:30	0.007	0.010	0.008		0.005	0.007	0.006		0.005	0.009	0.007		0.007	0.010	0.008	
11:45	0.008	0.014	0.009		0.006	0.012	0.007		0.006	0.009	0.007		0.008	0.020	0.010	
12:00	0.007	0.015	0.009	0.008	0.005	0.009	0.007	0.007	0.007	0.009	0.008	0.007	0.009	0.013	0.010	0.009
12:15	0.008	0.011	0.009		0.006	0.009	0.007		0.007	0.009	0.008		0.007	0.016	0.010	
12:30	0.006	0.011	0.009		0.007	0.011	0.008		0.007	0.013	0.008		0.008	0.014	0.009	
12:45	0.007	0.024	0.011		0.005	0.008	0.007		0.007	0.008	0.008		0.007	0.014	0.009	
13:00	0.007	0.015	0.009	0.009	0.004	0.014	0.008	0.007	0.007	0.011	0.008	0.008	0.007	0.024	0.012	0.010
13:15	0.007	0.012	0.008		0.004	0.010	0.007		0.007	0.009	0.008		0.006	0.017	0.008	
13:30	0.007	0.010	0.008		0.003	0.007	0.005		0.007	0.009	0.008		0.008	0.014	0.009	
13:45	0.005	0.010	0.008		0.000	0.007	0.004		0.007	0.009	0.008		0.006	0.010	0.008	
14:00	0.004	0.012	0.007	0.008	0.001	0.007	0.006	0.006	0.007	0.010	0.009	0.008	0.007	0.023	0.009	0.009
14:15	0.009	0.019	0.010		0.007	0.010	0.009		0.008	0.011	0.010		0.007	0.022	0.011	
14:30	0.006	0.033	0.011		0.005	0.010	0.008		0.009	0.011	0.010		0.008	0.010	0.009	
14:45	0.008	0.011	0.010		0.007	0.012	0.008		0.009	0.011	0.010		0.008	0.015	0.010	
15:00	0.008	0.010	0.009	0.010	0.007	0.009	0.008	0.008	0.009	0.010	0.010	0.010	0.008	0.010	0.009	0.010
15:15	0.008	0.009	0.009		0.007	0.009	0.008		0.008	0.010	0.010		0.008	0.010	0.009	
15:30	0.008	0.009	0.009		0.007	0.009	0.007		0.008	0.011	0.010		0.007	0.008	0.008	
15:45	0.009	0.010	0.010		0.007	0.010	0.008		0.008	0.010	0.009		0.008	0.013	0.010	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, May 17, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.009	0.010	0.009	0.009	0.007	0.010	0.008	0.008	0.008	0.011	0.010	0.010	0.008	0.012	0.009	0.009
16:15	0.007	0.010	0.009		0.008	0.009	0.008		0.009	0.010	0.009		0.008	0.013	0.010	
16:30	0.008	0.010	0.009		0.008	0.008	0.008		0.006	0.011	0.009		0.008	0.011	0.009	
16:45	0.008	0.010	0.009		0.007	0.010	0.008		0.007	0.011	0.009		0.008	0.011	0.009	
17:00	0.008	0.010	0.009	0.009	0.007	0.011	0.008	0.008	0.006	0.010	0.008	0.009	0.008	0.023	0.011	0.010
17:15	0.008	0.009	0.009		0.006	0.008	0.007		0.004	0.010	0.008		0.008	0.010	0.009	
17:30	0.008(b)	0.009(b)	0.009(b)		0.005(b)	0.008(b)	0.007(b)		0.004(b)	0.010(b)	0.008(b)		0.008	0.008	0.008	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	0.009(b)	(c)	(c)	(c)	0.007(b)	(c)	(c)	(c)	0.008(b)	(c)	(c)	(c)	0.009(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.007**				**0.006**				**0.006**				**0.008**			
Sampler Start Time	7:25 AM				7:29 AM				6:54 AM				7:20 AM			
Sampler End Time	5:21 PM				5:23 AM				5:26 PM				5:30 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, May 17, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	33.4(b)	22.8(b)	(a)	18.0
7:00	35.6	30.0	(a)	21.5
7:30	38.8	33.1	16.6(b)	31.4
8:00	35.3	21.4	18.5	36.8
8:30	28.4	24.4	32.4	31.3
9:00	23.2	19.5	40.7	21.3
9:30	20.1	15.5	35.5	19.8
10:00	19.4	12.2	27.5	18.0
10:30	20.5	11.9	12.5	18.0
11:00	16.0	10.0	8.4	14.3
11:30	27.8	11.5	6.5	14.0
12:00	16.1	13.2	6.5	12.1
12:30	11.6	16.3	4.8	7.0
13:00	11.9	9.6	6.6	9.8
13:30	11.5	6.2	7.0	7.7
14:00	13.8	4.4	4.5	9.7
14:30	11.1	3.6	3.3	5.0
15:00	12.0	6.5	4.5	10.7
15:30	12.6	5.5	3.9	4.5
16:00	22.6	25.7	4.4	18.7
16:30	13.1	9.2	4.5	12.5
17:00	11.4	6.9	4.5	9.2
17:30	9.3(b)	3.5(b)	5.3(b)	4.2(b)
18:00	(c)	(c)	(c)	(c)
Daily Average	**19.9**	**14.1**	**12.3**	**15.5**
Sampler Start Time	6:02 AM	6:04 AM	7:04 AM	6:00 AM
Sampler End Time	17:21 PM	17:24 PM	17:26 PM	17:29 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, May 18, 2004**

1) Exceedances:
There was an exceedance of the Particulate Matter Action Limit during the 12:31 - 13:00 averaging period at DR1. The 30 minute TWA for that period at DR1, a downwind monitor, was 100.0 ug/m3. The upwind monitor 30 minute TWA for this same period was 42.7 ug/m3. This represents a difference of 57.3 ug/m3, which exceeds the Action Limit (downwind monitor greater than 52 ug/m3 above upwind monitor). The cause of this exceedance is from site activity generating dust emissions from cement application. Dust suppression methods in place.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 72°F
Average wind speed: 4.8 meters/second
Predominant wind direction: South

5) Site Activity:
Start Time: 7:30 AM (Began applying cement at 6:30 am)
Stop Time: 5:30 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 18, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.000(b)	0.039(b)	0.007(b)	0.000(b)	0.039(b)	0.007(b)	0.006(b)	0.376(b)	0.149(b)	(a)	(a)	(a)
7:30	0.000	0.049	0.003	0.000	0.202	0.054	0.000	1.322	0.133	0.138(b)	0.690(b)	0.226(b)
7:45	0.000	0.120	0.012	0.145	0.569	0.315	0.000	0.289	0.103	0.071	1.134	0.209
8:00	0.000	0.050	0.004	0.170	0.758	0.362	0.000	0.251	0.096	0.000	0.919	0.162
8:15	0.000	0.219	0.056	0.085	0.680	0.337	0.000	0.255	0.097	0.000	0.757	0.112
8:30	0.000	0.399	0.073	0.000	0.612	0.345	0.000	0.237	0.087	0.000	0.832	0.030
8:45	0.000	0.208	0.054	0.000	0.475	0.091	0.000	0.219	0.087	0.000	0.112	0.001
9:00	0.000	0.091	0.011	0.000	0.358	0.038	0.000	0.209	0.076	0.000	0.000	0.000
9:15	0.000	0.032	0.003	0.000	0.821	0.200	0.000	0.169	0.062	0.000	0.000	0.000
9:30	0.000	0.079	0.013	0.000	0.888	0.459	0.000	0.211	0.081	0.000	0.000	0.000
9:45	0.000	0.090	0.012	0.000	0.629	0.341	0.000	0.250	0.094	0.000	0.000	0.000
10:00	0.000	0.096	0.019	0.000	0.494	0.265	0.000	0.234	0.090	0.000	0.000	0.000
10:15	0.000	5.028	0.219	0.000	0.526	0.235	0.000	0.225	0.093	0.000	0.074	0.000
10:30	0.000	0.316	0.036	0.000	0.581	0.333	0.000	0.275	0.104	0.000	0.245	0.005
10:45	0.000	0.140	0.014	0.009	0.534	0.310	0.000	0.268	0.115	0.000	0.773	0.093
11:00	0.000	0.119	0.014	0.135	0.453	0.247	0.000	0.268	0.108	0.138	0.691	0.279
11:15	0.000	0.068	0.007	0.069	0.385	0.186	0.000	0.267	0.109	0.174	0.956	0.294
11:30	0.000	0.155	0.022	0.076	0.302	0.137	0.000	0.278	0.100	0.184	0.977	0.331
11:45	0.000	0.109	0.012	0.067	0.259	0.121	0.000	0.288	0.105	0.171	0.559	0.266
12:00	0.000	0.204	0.043	0.045	0.295	0.138	0.000	0.247	0.103	0.181	1.015	0.327
12:15	0.000	0.229	0.026	0.058	0.265	0.155	0.000	0.286	0.108	0.162	0.583	0.302
12:30	0.000	0.094	0.019	0.070	0.426	0.153	0.000	0.328	0.107	0.164	0.451	0.251
12:45	0.000	0.342	0.073	0.091	0.274	0.144	0.000	0.273	0.102	0.166	1.611	0.343
13:00	0.000	0.317	0.053	0.080	0.252	0.132	0.000	0.286	0.112	0.136	0.889	0.282
13:15	0.000	0.184	0.027	0.061	0.268	0.119	0.000	0.300	0.110	0.154	0.838	0.286
13:30	0.000	0.141	0.025	0.038	0.282	0.093	0.000	0.278	0.106	0.184	0.953	0.337
13:45	0.000	0.134	0.024	0.005	0.371	0.063	0.000	0.251	0.108	0.192	0.828	0.352
14:00	0.000	0.242	0.014	0.000	0.291	0.030	0.000	0.320	0.105	0.174	1.059	0.304
14:15	0.000	0.309	0.026	0.000	0.408	0.033	0.000	0.290	0.102	0.165(d)	1.394(d)	0.323(d)
14:30	0.000	0.120	0.013	0.000	0.116	0.004	0.000	0.268	0.101	0.132(d)	0.980(d)	0.246(d)
14:45	0.000	0.179	0.032	0.000	0.185	0.010	0.000	0.285	0.095	0.128	1.323	0.314

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 18, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.000	0.159	0.018	0.000	0.141	0.012	0.000	0.241	0.095	0.133	0.637	0.242
15:15	0.000	0.107	0.011	0.000	0.253	0.016	0.000	0.241	0.101	0.128	0.640	0.239
15:30	0.000	0.529	0.045	0.000	0.098	0.007	0.000	0.239	0.092	0.146	2.653	0.432
15:45	0.000	0.251	0.050	0.000	0.221	0.020	0.000	0.273	0.095	0.151	1.222	0.340
16:00	0.000	0.262	0.022	0.000	0.125	0.009	0.000	0.284	0.102	0.143	1.046	0.279
16:15	0.000	0.166	0.013	0.000	0.118	0.016	0.000	0.402	0.103	0.146	1.277	0.242
16:30	0.000	0.873	0.048	0.000	0.261	0.013	0.000	0.289	0.104	0.159	1.120	0.259
16:45	0.000	0.102	0.009	0.000	0.153	0.011	0.000	0.312	0.107	0.157	0.623	0.244
17:00	0.000	0.238	0.023	0.000	0.248	0.023	0.000	0.275	0.104	0.146	0.715	0.283
17:15	0.000	0.125	0.012	0.000	0.182	0.015	0.000	0.302	0.105	0.156	1.491	0.271
17:30	0.000	0.202	0.030	0.000	0.194	0.021	0.000	0.301	0.109	0.184	1.192	0.355
17:45	0.000	0.107	0.011	0.000	0.225	0.010	0.000	0.302	0.109	0.167	0.914	0.290
18:00	0.000(b)	0.196(b)	0.016(b)	0.000(b)	0.151(b)	0.005(b)	0.000(b)	0.260(b)	0.113(b)	0.170(b)	1.450(b)	0.320(b)
Daily Average	**0.029**			**0.132**			**0.101**			**0.220**		
Sampler Start Time	7:08 AM			7:13 AM			7:08 AM			7:19 AM		
Sampler End Time	17:55 PM			17:53 PM			17:52 PM			17:58 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 18, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.002(b)	0.004(b)	0.003(b)		0.001(b)	0.003(b)	0.002(b)		(a)	(a)	(a)		0.003(b)	0.011(b)	0.005(b)	
7:30	0.003	0.006	0.003		0.001	0.004	0.002		0.001(b)	0.003(b)	0.002(b)		0.003	0.008	0.005	
7:45	0.003	0.006	0.004		0.002	0.007	0.004		0.002	0.003	0.003		0.003	0.006	0.004	
8:00	0.003	0.005	0.004	0.003(b)	0.003	0.009	0.005	0.003(b)	0.001	0.004	0.003	0.003(b)	0.004	0.028	0.009	0.006(b)
8:15	0.004	0.013	0.007		0.002	0.007	0.003		0.002	0.004	0.003		0.008	0.037	0.015	
8:30	0.004	0.008	0.006		0.002	0.004	0.003		0.001	0.004	0.003		0.013	0.023	0.018	
8:45	0.005	0.013	0.007		0.002	0.004	0.002		0.003	0.004	0.003		0.012	0.016	0.014	
9:00	0.006	0.014	0.008	0.007	0.002	0.021	0.004	0.003	0.002	0.004	0.003	0.003	0.009	0.016	0.011	0.015
9:15	0.005	0.008	0.006		0.002	0.005	0.003		0.001	0.004	0.003		0.007	0.009	0.008	
9:30	0.005	0.018	0.007		0.002	0.028	0.007		0.002	0.006	0.003		0.006	0.013	0.007	
9:45	0.005	0.017	0.006		0.002	0.018	0.007		0.002	0.004	0.003		0.006	0.014	0.007	
10:00	0.005	0.009	0.006	0.006	0.002	0.012	0.004	0.005	0.002	0.003	0.003	0.003	0.006	0.039	0.010	0.008
10:15	0.005	0.026	0.008		0.000	0.004	0.002		0.000	0.003	0.002		0.008	0.018	0.012	
10:30	0.006	0.022	0.009		0.000	0.005	0.002		0.000	0.005	0.003		0.007	0.026	0.012	
10:45	0.005	0.012	0.007		0.002	0.004	0.003		0.000	0.005	0.004		0.005	0.012	0.008	
11:00	0.006	0.009	0.007	0.008	0.003	0.004	0.004	0.003	0.002	0.006	0.004	0.003	0.002	0.011	0.006	0.010
11:15	0.006	0.013	0.008		0.004	0.004	0.004		0.000	0.007	0.004		0.006	0.010	0.007	
11:30	0.006	0.008	0.007		0.004	0.005	0.004		0.000	0.006	0.003		0.007	0.025	0.013	
11:45	0.006	0.008	0.007		0.004	0.005	0.005		0.000	0.006	0.004		0.007	0.016	0.010	
12:00	0.006	0.014	0.008	0.008	0.004	0.012	0.005	0.005	0.004	0.007	0.006	0.004	0.007	0.014	0.010	0.010
12:15	0.006	0.013	0.008		0.004	0.009	0.005		0.006	0.007	0.006		0.007	0.023	0.013	
12:30	0.005	0.013	0.008		0.003	0.005	0.004		0.005	0.007	0.006		0.006	0.015	0.008	
12:45	0.006	0.017	0.009		0.003	0.009	0.005		0.004	0.007	0.005		0.007	0.032	0.015	
13:00	0.006	0.013	0.009	0.008	0.003	0.006	0.004	0.004	0.002	0.006	0.005	0.006	0.007	0.021	0.010	0.011
13:15	0.006	0.007	0.007		0.004	0.005	0.004		0.000	0.006	0.005		0.006	0.009	0.007	
13:30	0.006	0.020	0.009		0.004	0.010	0.006		0.004	0.007	0.006		0.007	0.043	0.015	
13:45	0.006	0.012	0.008		0.005	0.006	0.005		0.003	0.007	0.006		0.006	0.012	0.008	
14:00	0.006	0.009	0.008	0.008	0.005	0.006	0.005	0.005	0.005	0.011	0.007	0.006	0.006	0.011	0.008	0.009
14:15	0.006	0.010	0.007		0.004	0.007	0.005		0.005	0.010	0.007		0.006	0.025	0.009	
14:30	0.007	0.008	0.008		0.005	0.007	0.006		0.006	0.008	0.007		0.007	0.014	0.008	
14:45	0.007	0.009	0.008		0.005	0.007	0.006		0.007	0.008	0.007		0.006	0.010	0.008	
15:00	0.007	0.008	0.007	0.007	0.005	0.007	0.006	0.006	0.000	0.009	0.006	0.007	0.006	0.009	0.007	0.008
15:15	0.007	0.013	0.008		0.005	0.006	0.005		0.003	0.008	0.007		0.005	0.021	0.008	
15:30	0.007	0.013	0.008		0.005	0.006	0.006		0.006	0.009	0.007		0.006	0.041	0.013	
15:45	0.007	0.010	0.008		0.000	0.030	0.011		0.000	0.009	0.006		0.007	0.013	0.009	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 18, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.007	0.013	0.008	0.008	0.005	0.007	0.005	0.007	0.007	0.008	0.008	0.007	0.005	0.026	0.010	0.010
16:15	0.006	0.011	0.007		0.005	0.006	0.005		0.006	0.008	0.007		0.006	0.013	0.007	
16:30	0.007	0.010	0.008		0.005	0.008	0.005		0.004	0.008	0.007		0.006	0.014	0.007	
16:45	0.007	0.008	0.007		0.005	0.006	0.005		0.005	0.008	0.007		0.006	0.009	0.006	
17:00	0.006	0.010	0.007	0.007	0.005	0.010	0.006	0.005	0.007	0.008	0.007	0.007	0.005	0.017	0.008	0.007
17:15	0.006	0.008	0.007		0.000	0.006	0.003		0.008	0.008	0.008		0.006	0.009	0.007	
17:30	0.006	0.008	0.007		0.000	0.005	0.002		0.007	0.008	0.007		0.006	0.009	0.007	
17:45	0.005	0.007	0.006		0.000	0.005	0.002		0.006	0.008	0.008		0.005	0.026	0.007	
18:00	0.006(b)	0.007(b)	0.006(b)	0.007(b)	0.000(b)	0.004(b)	0.003(b)	0.003(b)	0.007(b)	0.009(b)	0.008(b)	0.008(b)	0.005(b)	0.007(b)	0.006(b)	0.007(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.007**				**0.005**				**0.005**				**0.009**			
Sampler Start Time	7:08 AM				7:12 AM				7:21 AM				7:05 AM			
Sampler End Time	5:56 PM				5:54 PM				5:51 PM				5:58 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 18, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	59.0(b)	30.0(b)	30.1(b)	41.0
7:00	56.5	34.9	30.1	41.2
7:30	61.1	44.0	34.8	45.2
8:00	61.1	49.2	35.7	46.3
8:30	68.2	44.5	34.4	51.2
9:00	63.5	44.7	33.3	46.8
9:30	64.9	50.4	33.0	45.9
10:00	57.5	50.2	29.6	44.9
10:30	59.4	35.5	25.5	44.5
11:00	58.6	36.3	31.5	45.1
11:30	61.0	36.0	33.2	42.0
12:00	65.3	35.4	34.4	49.8
12:30	71.8	42.6	37.1	49.8
13:00	**100.0(e)**	52.0	42.7	71.4
13:30	72.4	51.2	41.4	56.6
14:00	58.6	36.9	33.7	42.6
14:30	65.6	30.1	29.7	40.2
15:00	56.0	33.1	30.8	42.3
15:30	77.8	40.4	33.6	59.5
16:00	81.8	56.1	39.8	73.9
16:30	92.0	54.6	43.9	55.8
17:00	81.8	50.0	41.8	54.0
17:30	83.1	53.6	42.1	54.2
18:00	79.8(b)	49.4(b)	41.9(b)	51.2(b)
Daily Average	**69.0**	**43.4**	**35.1**	**49.8**
Sampler Start Time	6:03 AM	6:06 AM	6:11 AM	6:01 AM
Sampler End Time	17:56 PM	17:55 PM	17:50 PM	17:58 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to dust emissions from cement application.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, May 19, 2004**

1) Exceedances:
There was an exceedance of the Particulate Matter Action Limit during the 13:01 - 13:30 averaging period at DR4. The 30 minute TWA for that period at DR4, a downwind monitor, was 62.7 ug/m3. The upwind monitor 30 minute TWA for this same period was 8.4 ug/m3. This represents a difference of 54.3 ug/m3, which exceeds the Action Limit (downwind monitor greater than 52 ug/m3 above upwind monitor). The cause of this exceedance is from cement pumping directly upwind of Station 4 generating dust emissions.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 63.6°F
Average wind speed: 4.1 meters/second
Predominant wind direction: North

5) Site Activity:
Start Time: 8:00 AM (Began applying cement at 6:30 am)
Stop Time: 5:00 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 19, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.088(b)	0.527(b)	0.138(b)
7:00	(a)	(a)	(a)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.248(b)	0.094(b)	0.127	1.972	0.333
7:15	0.000(b)	0.028(b)	0.002(b)	0.000	0.028	0.004	0.000	0.284	0.091	0.246	1.871	0.495
7:30	0.000	0.032	0.002	0.023	0.080	0.047	0.000	0.276	0.090	0.473	1.578	0.782
7:45	0.000	0.013	0.001	0.043	0.085	0.062	0.000	0.350	0.090	0.495	1.895	0.853
8:00	0.000	0.013	0.000	0.054	0.089	0.075	0.000	0.277	0.083	0.594	1.973	0.872
8:15	0.000	0.016	0.001	0.058	0.082	0.068	0.000	0.250	0.087	0.613(d)	1.634(d)	0.828(d)
8:30	0.000	0.050	0.001	0.046	0.082	0.064	0.000	0.254	0.084	0.518	3.716	0.946
8:45	0.000	0.011	0.000	0.026	0.080	0.050	0.000	0.316	0.092	0.481	3.198	0.866
9:00	0.000	0.013	0.000	0.020	0.185	0.051	0.000	0.595	0.126	0.333	3.116	0.882
9:15	0.000	0.011	0.000	0.006	0.121	0.029	0.000	0.319	0.095	0.315	2.616	0.866
9:30	0.000	0.044	0.002	0.000	0.036	0.005	0.000	0.336	0.100	0.264	3.224	0.691
9:45	0.000	0.017	0.000	0.000	0.355	0.008	0.000	0.365	0.104	0.290	3.240	0.482
10:00	0.000	0.020	0.000	0.000	0.002	0.000	0.000	0.289	0.088	0.253	1.811	0.501
10:15	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.393	0.098	0.288	1.532	0.465
10:30	0.000	0.008	0.000	0.000	0.129	0.002	0.000	0.383	0.095	0.274	2.516	0.516
10:45	0.000	0.010	0.000	0.000	0.033	0.001	0.000	0.325	0.093	0.298	3.424	0.712
11:00	0.000	0.016	0.000	0.000	0.160	0.001	0.000	0.272	0.093	0.274	3.094	0.732
11:15	0.000	0.029	0.001	0.000	0.000	0.000	0.000	0.386	0.094	0.310	3.200	0.702
11:30	0.000	0.029	0.001	0.000	0.091	0.001	0.000	0.383	0.095	0.289	3.813	1.037
11:45	0.000	0.030	0.001	0.000	0.054	0.002	0.000	0.394	0.109	0.320	4.255	0.841
12:00	0.000	0.011	0.000	0.000	0.019	0.000	0.000	0.286	0.088	0.348	3.513	0.960
12:15	0.000	0.012	0.000	0.000	0.182	0.006	0.000	0.381	0.105	0.221	4.461	0.493
12:30	0.000	1.344	0.007	0.000	0.117	0.003	0.000	0.332	0.103	0.259	2.810	0.705
12:45	0.000	0.028	0.001	0.000	0.020	0.000	0.000	0.372	0.097	0.195	2.455	0.434
13:00	0.000	0.039	0.001	0.000	0.415	0.006	0.000	0.347	0.091	0.162	2.387	0.578
13:15	0.000	0.017	0.000	0.000	0.007	0.000	0.000	0.459	0.094	0.178	2.436	0.519
13:30	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.442	0.112	0.179	3.840	0.534
13:45	0.000	0.029	0.001	0.000	0.016	0.000	0.000	0.328	0.097	0.178	4.337	0.654
14:00	0.000	0.009	0.000	0.000	0.096	0.001	0.000	0.290	0.096	0.196	5.357	0.630
14:15	0.000	0.012	0.000	0.000	0.004	0.000	0.000	0.307	0.088	0.181	2.324	0.433
14:30	0.000	0.008	0.000	0.000	0.029	0.000	0.000	0.275	0.080	0.186	3.725	0.630
14:45	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.699	0.136	0.206(d)	3.093(d)	0.639(d)

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 19, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.000	0.046	0.000	0.000	0.094	0.001	0.000	0.907	0.106	0.155	4.592	0.708
15:15	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.851	0.128	0.141	4.635	0.494
15:30	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.857	0.122	0.149	4.940	0.802
15:45	0.000	0.018	0.000	0.000	0.008	0.000	0.000	1.418	0.113	0.162	3.320	0.583
16:00	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.608	0.080	0.144	4.198	0.489
16:15	0.000	0.006	0.000	0.000	0.079	0.002	0.000	0.348	0.097	0.165	2.845	0.480
16:30	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.331	0.082	0.126	3.810	0.385
16:45	0.000	0.092	0.001	0.000	0.026	0.000	0.000	0.185	0.063	0.125	4.174	0.553
17:00	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.201	0.073	0.107	3.146	0.447
17:15	0.000	0.101	0.001	0.000	0.000	0.000	0.000	0.211	0.063	0.125	1.659	0.317
17:30	0.000	0.004	0.000	0.000	0.044	0.000	0.000	0.433	0.080	0.139	3.786	0.508
17:45	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.137(b)	0.004(b)	0.000	0.255	0.072	0.115(b)	2.486(b)	0.251(b)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	0.000(b)	0.167(b)	0.065(b)	(c)	(c)	(c)
Daily Average	**0.001**			**0.011**			**0.095**			**0.624**		
Sampler Start Time	7:08 AM			6:49 AM			6:52 AM			6:41 AM		
Sampler End Time	17:40 PM			17:43 PM			17:49 PM			17:44 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 19, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	0.004(b)	0.004(b)	0.004(b)	0.004(b)	0.004(b)	0.006(b)	0.005(b)	0.005(b)	0.004(b)	0.008(b)	0.005(b)	0.005(b)
7:15	(a)	(a)	(a)		0.002	0.004	0.004		0.005	0.007	0.006		0.007	0.020	0.013	
7:30	(a)	(a)	(a)		0.004	0.005	0.004		0.005	0.007	0.006		0.007	0.016	0.010	
7:45	(a)	(a)	(a)		0.004	0.006	0.005		0.005	0.007	0.006		0.007	0.010	0.008	
8:00	(a)	(a)	(a)	(a)	0.003	0.006	0.004	0.004	0.004	0.007	0.006	0.006	0.009	0.017	0.012	0.011
8:15	(a)	(a)	(a)		0.004	0.005	0.004		0.005	0.006	0.006		0.007	0.010	0.008	
8:30	(a)	(a)	(a)		0.003	0.005	0.004		0.004	0.007	0.006		0.004	0.009	0.006	
8:45	0.004(b)	0.006(b)	0.005(b)		0.004	0.005	0.004		0.005	0.009	0.006		0.005	0.046	0.020	
9:00	0.005	0.008	0.006	0.005(b)	0.004	0.005	0.004	0.004	0.003	0.008	0.006	0.006	0.009	0.160	0.027	0.015
9:15	0.005	0.009	0.006		0.003	0.005	0.004		0.005	0.009	0.006		0.012	0.049	0.025	
9:30	0.006	0.008	0.007		0.003	0.005	0.004		0.006	0.007	0.006		0.015	0.180	0.042	
9:45	0.003	0.019	0.007		0.004	0.006	0.005		0.006	0.008	0.007		0.008	0.104	0.023	
10:00	0.005	0.018	0.006	0.007	0.004	0.006	0.004	0.004	0.005	0.009	0.007	0.007	0.006	0.009	0.007	0.024
10:15	0.005	0.007	0.006		0.004	0.005	0.005		0.005	0.007	0.006		0.007	0.012	0.009	
10:30	0.005	0.007	0.006		0.004	0.006	0.005		0.005	0.009	0.006		0.005	0.020	0.009	
10:45	0.004	0.007	0.006		0.004	0.005	0.005		0.006	0.007	0.006		0.005	0.010	0.006	
11:00	0.005	0.007	0.006	0.006	0.004	0.006	0.005	0.005	0.006	0.009	0.007	0.006	0.007	0.017	0.012	0.009
11:15	0.005	0.006	0.006		0.004	0.005	0.004		0.006	0.007	0.006		0.011	0.123	0.029	
11:30	0.005	0.007	0.006		0.004	0.006	0.004		0.006	0.007	0.006		0.006	0.074	0.026	
11:45	0.005	0.007	0.006		0.003	0.006	0.004		0.005	0.008	0.007		0.007	0.104	0.032	
12:00	0.005	0.007	0.006	0.006	0.003	0.006	0.005	0.004	0.006	0.009	0.007	0.006	0.004	0.076	0.021	0.027
12:15	0.005	0.007	0.006		0.004	0.006	0.005		0.006	0.009	0.006		0.004	0.130	0.024	
12:30	0.005	0.007	0.006		0.004	0.005	0.005		0.007	0.008	0.007		0.002	0.012	0.004	
12:45	0.005	0.007	0.006		0.004	0.005	0.005		0.006	0.008	0.007		0.004(e)	0.024(e)	0.009(e)	
13:00	0.005	0.007	0.007	0.006	0.005	0.006	0.005	0.005	0.006	0.007	0.007	0.007	(f)	(f)	(f)	0.013(e)
13:15	0.006	0.008	0.007		0.005	0.006	0.005		0.006	0.008	0.007		0.003(e)	0.012(e)	0.006(e)	
13:30	0.006	0.008	0.006		0.003	0.006	0.005		0.007	0.009	0.007		0.002	0.018	0.005	
13:45	0.006	0.008	0.007		0.004	0.006	0.005		0.007	0.009	0.008		0.002	0.027	0.006	
14:00	0.005	0.008	0.006	0.007	0.004	0.006	0.005	0.005	0.006	0.009	0.007	0.007	0.002	0.034	0.007	0.006(e)
14:15	0.005	0.008	0.007		0.005	0.007	0.005		0.007	0.008	0.007		0.000	0.010	0.002	
14:30	0.005	0.007	0.007		0.004	0.006	0.005		0.007	0.008	0.007		0.000	0.034	0.009	
14:45	0.006	0.007	0.007		0.003	0.007	0.005		0.007	0.011	0.008		0.002	0.017	0.004	
15:00	0.006	0.008	0.007	0.007	0.004	0.006	0.005	0.005	0.007	0.011	0.008	0.008	0.001	0.017	0.005	0.005
15:15	0.007	0.008	0.007		0.004	0.007	0.005		0.005	0.010	0.008		0.000	0.008	0.002	
15:30	0.007	0.008	0.007		0.005	0.007	0.006		0.007	0.025	0.010		0.000	0.020	0.005	
15:45	0.008	0.009	0.009		0.005	0.007	0.006		0.007	0.010	0.009		0.000	0.043	0.008	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 19, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.007	0.009	0.008	0.008	0.005	0.007	0.007	0.006	0.008	0.010	0.009	0.009	0.000	0.029	0.003	0.004
16:15	0.008	0.009	0.008		0.006	0.009	0.007		0.008	0.011	0.009		0.000	0.022	0.003	
16:30	0.007	0.009	0.008		0.007	0.008	0.007		0.009	0.010	0.009		0.000	0.200	0.015	
16:45	0.007	0.009	0.008		0.005	0.008	0.007		0.008	0.010	0.009		0.000	0.058	0.006	
17:00	0.007	0.009	0.008	0.008	0.005	0.008	0.007	0.007	0.008	0.010	0.009	0.009	0.000	0.010	0.001	0.006
17:15	0.007	0.008	0.008		0.005	0.008	0.007		0.007	0.009	0.008		0.000	0.000	0.000	
17:30	0.006	0.012	0.008		0.005	0.008	0.006		0.007	0.009	0.008		0.000	0.004	0.000	
17:45	0.007(b)	0.009(b)	0.008(b)		0.005(b)	0.007(b)	0.007(b)		0.007	0.010	0.008		0.000	0.000	0.000	
18:00	(c)	(c)	(c)	0.008(b)	(c)	(c)	(c)	0.006(b)	0.008(b)	0.008(b)	0.008(b)	0.008(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.007**				**0.005**				**0.007**				**0.011**			
Sampler Start Time	8:34 AM				6:59 AM				6:54 AM				6:48 AM			
Sampler End Time	5:41 PM				5:44 PM				5:47 PM				5:52 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 19, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	12.5(b)	(a)	5.7(b)	10.7(b)
7:00	11.3	3.2(b)	5.9	14.3
7:30	11.0	3.4	5.2	31.8
8:00	8.1	3.9	4.9	19.6
8:30	7.7	4.0	4.8	16.4
9:00	7.8	4.0	10.5	49.0
9:30	7.7	4.0	6.7	13.2
10:00	6.9	3.4	5.2	16.6
10:30	7.7	3.9	5.1	16.8
11:00	8.3	3.6	5.5	47.1
11:30	8.2	4.0	9.1	23.0
12:00	8.8	3.9	11.3	18.7
12:30	9.0	4.1	7.7	20.8
13:00	9.1	4.1	6.6	45.2
13:30	8.4	3.4	8.3	**62.7(e)**
14:00	8.8	2.4	6.9	22.8
14:30	9.1	2.1	5.6	10.6
15:00	8.3	1.3	7.6	27.7
15:30	7.6	0.8	6.7	29.5
16:00	7.1	0.9	4.4	8.9
16:30	6.0	0.5	3.7	6.1
17:00	6.4	0.6	3.1	4.4
17:30	6.9	2.4	3.4	4.5
18:00	7.1(b)	2.3(b)	3.3(b)	3.3(b)
Daily Average	**8.3**	**2.9**	**6.5**	**22.1**
Sampler Start Time	6:07 AM	6:57 AM	6:12 AM	6:05 AM
Sampler End Time	17:41 PM	17:45 PM	17:47 PM	17:51 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to pumping cement.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, May 20, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 67.5°F
Average wind speed: 6.7 meters/second
Predominant wind direction: South

5) Site Activity:
Start Time: 7:30 AM (Began applying cement at 6:30 am)
Stop Time: 5:00 PM
Description: Applied Portland cement and stabilized sludge.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 20, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.000(b)	0.024(b)	0.004(b)	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.424(b)	0.070(b)
7:15	0.000	0.041	0.009	0.000	0.169	0.020	0.001(b)	0.068(b)	0.025(b)	0.000	0.429	0.130
7:30	0.000	0.119	0.008	0.000	0.128	0.042	0.000	0.193	0.010	0.000	0.521	0.180
7:45	0.000	0.024	0.004	0.075	0.307	0.132	0.000	0.086	0.004	0.000	0.673	0.205
8:00	0.000	0.045	0.005	0.170	0.273	0.206	0.000	0.062	0.002	0.000	0.587	0.224
8:15	0.000	0.028	0.005	0.127	0.268	0.178	0.000	0.259	0.032	0.000	0.541	0.218
8:30	0.000	0.038	0.005	0.097	0.189	0.134	0.000	0.054	0.001	0.000	0.504	0.209
8:45	0.000	0.140	0.010	0.064	0.394	0.135	0.000	0.010	0.000	0.000	0.624	0.213
9:00	0.000	45.180	1.226	0.048	0.366	0.104	0.000	0.009	0.000	0.000	0.952	0.229
9:15	0.000(d)	0.466(d)	0.066(d)	0.035	0.280	0.113	0.000	0.017	0.001	0.000	0.799	0.245
9:30	0.000(d)	0.258(d)	0.038(d)	0.019	0.225	0.066	0.000	0.027	0.002	0.000	0.506	0.198
9:45	0.000	0.304	0.064	0.007	0.304	0.081	0.000	0.054	0.006	0.000	0.729	0.232
10:00	0.011	0.234	0.093	0.003	0.174	0.044	0.000	0.426	0.054	0.000	0.645	0.216
10:15	0.000	0.262	0.081	0.002	0.289	0.064	0.000	0.048	0.006	0.005	0.627	0.203
10:30	0.000	0.418	0.078	0.000	0.283	0.035	0.000	0.015	0.001	0.000	0.599	0.150
10:45	0.000	11.620	0.251	0.000	0.191	0.039	0.000	0.018	0.001	0.004	0.440	0.129
11:00	0.000	0.279	0.075	0.000	0.236	0.061	0.000	0.009	0.000	0.004	1.101	0.159
11:15	0.000	0.271	0.052	0.001	0.250	0.048	0.000	0.015	0.001	0.014	0.450	0.115
11:30	0.000	0.323	0.050	0.001	0.310	0.065	0.000	0.012	0.001	0.000	1.008	0.120
11:45	0.000	0.131	0.041	0.002	0.195	0.051	0.000	0.013	0.000	0.000	0.402	0.110
12:00	0.000	0.212	0.046	0.002	0.252	0.051	0.000	0.007	0.000	0.000	0.432	0.109
12:15	0.000	0.266	0.041	0.003	0.235	0.050	0.000	0.012	0.000	0.000	0.401	0.084
12:30	0.000	5.554	0.098	0.000	0.418	0.061	0.000	0.011	0.000	0.015	0.484	0.090
12:45	0.000	0.246	0.039	0.000	0.310	0.068	0.000	0.007	0.000	0.006	0.408	0.103
13:00	0.003	0.326	0.053	0.000	0.397	0.047	0.000	0.009	0.000	0.000	0.459	0.094
13:15	0.000	0.148	0.037	0.000	0.235	0.063	0.000	0.009	0.000	0.013	0.278	0.091
13:30	0.002	0.142	0.047	0.000	0.213	0.041	0.000	0.006	0.000	0.003	0.430	0.096
13:45	0.000	0.181	0.026	0.000	0.176	0.038	0.000	0.007	0.000	0.000	0.687	0.101
14:00	0.000	0.215	0.037	0.000	0.165	0.039	0.000	0.009	0.000	0.000	0.369	0.102
14:15	0.002	10.738	0.217	0.000	0.145	0.044	0.000	0.003	0.000	0.006	0.343	0.107
14:30	0.001	0.135	0.029	0.000	0.240	0.046	0.000	0.006	0.000	0.000	0.334	0.093
14:45	0.000	0.203	0.042	0.000	0.177	0.053	0.000	0.007	0.000	0.028	0.388	0.106

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 20, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.003	0.171	0.046	0.000	0.199	0.054	0.000	0.014	0.000	0.000	0.788	0.115
15:15	0.002	0.191	0.055	0.000	0.408	0.062	0.000	0.012	0.000	0.003	0.371	0.109
15:30	0.000	0.155	0.043	0.000	0.262	0.064	0.000	0.010	0.000	0.005	0.396	0.104
15:45	0.000	0.226	0.046	0.000	0.255	0.066	0.000	0.011	0.000	0.013	0.394	0.115
16:00	0.000	0.126	0.030	0.000	0.206	0.049	0.000	0.007	0.000	0.021(d)	0.284(d)	0.102(d)
16:15	0.000	0.120	0.030	0.000	0.227	0.049	0.000	0.009	0.000	0.064	0.220	0.097
16:30	0.000	5.934	0.112	0.000	0.172	0.022	0.000	0.004	0.000	0.000	0.383	0.098
16:45	0.000	0.117	0.015	0.000	0.206	0.023	0.000	0.004	0.000	0.000	0.368	0.083
17:00	0.000	0.134	0.013	0.000	0.108	0.019	0.000	0.007	0.000	0.009	0.364	0.094
17:15	0.000	0.043	0.007	0.000	0.187	0.022	0.000	0.003	0.000	0.012	0.385	0.090
17:30	0.000	0.090	0.016	0.000	0.256	0.019	0.000	0.006	0.000	0.022	0.304	0.096
17:45	0.000(b)	0.064(b)	0.021(b)	0.002(b)	0.040(b)	0.011(b)	(c)	(c)	(c)	0.026(b)	0.326(b)	0.084(b)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.078**			**0.063**			**0.003**			**0.136**		
Sampler Start Time	6:57 AM			7:01 AM			7:09 AM			6:52 AM		
Sampler End Time	17:35 PM			17:32 PM			17:30 PM			17:36 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 20, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	0.002(b)	0.002(b)	0.002(b)	0.002(b)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.003(b)	0.004(b)	0.003(b)	0.003(b)
7:15	0.002	0.003	0.003		0.001(b)	0.004(b)	0.003(b)		0.001(b)	0.004(b)	0.002(b)		0.003	0.005	0.004	
7:30	0.003	0.005	0.003		0.002	0.004	0.003		0.002	0.005	0.004		0.003	0.007	0.004	
7:45	0.003	0.005	0.003		0.002	0.005	0.004		0.002	0.004	0.004		0.003	0.004	0.003	
8:00	0.002	0.010	0.005	0.003	0.002	0.004	0.003	0.003(b)	0.003	0.005	0.004	0.003(b)	0.003	0.008	0.004	0.004
8:15	0.003	0.009	0.005		0.003	0.013	0.005		0.004	0.015	0.007		0.002	0.006	0.003	
8:30	0.002	0.022	0.007		0.002	0.006	0.004		0.004	0.006	0.005		0.002	0.005	0.003	
8:45	0.002	0.021	0.007		0.002	0.009	0.005		0.004	0.006	0.005		0.002	0.010	0.004	
9:00	0.003	0.021	0.008	0.007	0.004	0.008	0.005	0.004	0.003	0.006	0.005	0.005	0.004	0.028	0.009	0.005
9:15	0.000	0.022	0.006		0.003	0.006	0.004		0.004	0.007	0.006		0.005	0.010	0.007	
9:30	0.002	0.010	0.006		0.003	0.006	0.004		0.004	0.006	0.006		0.006	0.016	0.008	
9:45	0.003	0.013	0.007		0.004	0.007	0.005		0.005	0.008	0.006		0.005	0.012	0.008	
10:00	0.005	0.010	0.007	0.007	0.004	0.007	0.005	0.005	0.005	0.008	0.007	0.006	0.010	0.019	0.013	0.009
10:15	0.006	0.017	0.010		0.005	0.015	0.008		0.006	0.010	0.008		0.009	0.034	0.015	
10:30	0.008	0.033	0.015		0.007	0.014	0.008		0.006	0.009	0.009		0.008	0.039	0.018	
10:45	0.008	0.019	0.010		0.007	0.010	0.007		0.009	0.010	0.010		0.008	0.024	0.012	
11:00	0.008	0.017	0.010	0.011	0.005	0.011	0.008	0.008	0.009	0.010	0.009	0.009	0.008	0.022	0.012	0.014
11:15	0.007	0.013	0.010		0.007	0.013	0.009		0.008	0.010	0.010		0.006	0.027	0.012	
11:30	0.007	0.010	0.008		0.007	0.009	0.007		0.000	0.011	0.009		0.007	0.012	0.009	
11:45	0.007	0.010	0.008		0.005	0.012	0.007		0.008	0.010	0.009		0.007	0.012	0.009	
12:00	0.008	0.009	0.008	0.008	0.004	0.007	0.007	0.007	0.009	0.011	0.010	0.010	0.007	0.013	0.009	0.010
12:15	0.008	0.010	0.008		0.006	0.007	0.007		0.009	0.011	0.010		0.006	0.013	0.008	
12:30	0.007	0.009	0.008		0.006	0.007	0.007		0.009	0.011	0.010		0.006	0.009	0.007	
12:45	0.007	0.011	0.009		0.000	0.010	0.005		0.010	0.011	0.010		0.006	0.020	0.008	
13:00	0.007	0.014	0.009	0.009	0.005	0.008	0.007	0.006	0.010	0.011	0.010	0.010	0.007	0.013	0.009	0.008
13:15	0.007	0.008	0.007		0.004	0.007	0.006		0.010	0.011	0.010		0.006	0.008	0.007	
13:30	0.005	0.008	0.008		0.002	0.007	0.006		0.009	0.011	0.010		0.006	0.015	0.008	
13:45	0.007	0.008	0.008		0.000	0.004	0.002		0.010	0.010	0.010		0.006	0.013	0.007	
14:00	0.008	0.008	0.008	0.008	0.002	0.007	0.005	0.005	0.010	0.011	0.010	0.010	0.005	0.007	0.006	0.007
14:15	0.007	0.008	0.008		0.005	0.007	0.006		0.010	0.011	0.010		0.005	0.007	0.006	
14:30	0.007	0.008	0.007		0.005	0.007	0.006		0.009	0.011	0.010		0.005	0.008	0.006	
14:45	0.007	0.008	0.008		0.006	0.007	0.007		0.009	0.011	0.010		0.005	0.008	0.007	
15:00	0.007	0.011	0.008	0.008	0.005	0.018	0.008	0.007	0.009	0.011	0.010	0.010	0.006	0.013	0.007	0.007
15:15	0.007	0.020	0.010		0.005	0.012	0.007		0.010	0.011	0.011		0.006	0.023	0.011	
15:30	0.007	0.015	0.009		0.007	0.010	0.007		0.010	0.011	0.011		0.006	0.016	0.009	
15:45	0.007	0.010	0.008		0.007	0.008	0.007		0.010	0.011	0.011		0.006	0.009	0.008	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 20, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.007	0.011	0.009	0.009	0.007	0.012	0.009	0.008	0.010	0.011	0.011	0.011	0.006	0.012	0.008	0.009
16:15	0.008	0.010	0.008		0.007	0.012	0.008		0.011	0.012	0.011		0.006	0.009	0.007	
16:30	0.008	0.019	0.010		0.007	0.008	0.008		0.011	0.012	0.011		0.007	0.036	0.010	
16:45	0.008	0.012	0.009		0.007	0.008	0.008		0.011	0.012	0.011		0.006	0.013	0.008	
17:00	0.009	0.009	0.009	0.009	0.007	0.008	0.008	0.008	0.011	0.012	0.011	0.011	0.006	0.009	0.007	0.008
17:15	0.008	0.009	0.008		0.006	0.008	0.008		0.010	0.011	0.011		0.006	0.009	0.007	
17:30	0.008	0.009	0.008		0.007	0.008	0.008		0.010	0.011	0.011		0.006	0.011	0.007	
17:45	0.008(b)	0.008(b)	0.008(b)		0.006(b)	0.008(b)	0.007(b)		0.011(b)	0.011(b)	0.011(b)		0.005(b)	0.007(b)	0.006(b)	
18:00	(c)	(c)	(c)	0.008(b)	(c)	(c)	(c)	0.007(b)	(c)	(c)	(c)	0.011(b)	(c)	(c)	(c)	0.007(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.008**				**0.006**				**0.009**				**0.008**			
Sampler Start Time	6:57 AM				7:03 AM				7:09 AM				6:54 AM			
Sampler End Time	5:36 PM				5:33 PM				5:31 PM				5:39 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 20, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	15.6(b)	9.3(b)	6.1(b)	17.1(b)
7:00	13.2	11.1	6.8	11.8
7:30	14.6	12.4	7.6	12.5
8:00	14.1	13.2	8.0	13.0
8:30	12.7	9.8	7.7	11.9
9:00	15.8	9.0	7.5	14.7
9:30	34.6	11.2	8.0	28.6
10:00	29.6	13.9	6.7	30.0
10:30	21.8	21.8	4.9	25.7
11:00	21.8	16.6	4.5	18.5
11:30	17.5	11.6	7.4	14.1
12:00	19.5	14.3	9.6	18.2
12:30	16.2	13.6	7.5	15.7
13:00	21.4	8.0	8.3	14.6
13:30	18.8	9.1	8.2	14.7
14:00	14.3	9.8	8.5	11.2
14:30	19.8	9.7	8.9	20.6
15:00	28.6	15.2	10.4	27.3
15:30	27.6	17.6	11.1	25.5
16:00	23.1	15.0	12.0	19.8
16:30	22.0	11.1	10.5	25.9
17:00	18.4	8.5	10.1	16.1
17:30	17.8	6.8	9.7	24.7
18:00	17.5(b)	8.2(b)	(c)	18.0(b)
Daily Average	**19.9**	**12.1**	**8.3**	**18.8**
Sampler Start Time	6:07 AM	6:10 AM	6:13 AM	6:03 AM
Sampler End Time	17:37 PM	17:35 PM	17:30 PM	17:38 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, May 21, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 68.6°F
Average wind speed: 2.27 meters/second
Predominant wind direction: North

5) Site Activity:
Start Time: 7:15 AM (Began applying cement at 6:30 am)
Stop Time: 3:15 PM
Description: Applied Portland cement and stabilized sludge.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, May 21, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.000	0.016	0.000	0.005(b)	0.038(b)	0.018(b)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.000	0.020	0.000	0.037	0.484	0.190	0.000	0.189	0.037	0.000(b)	0.406(b)	0.065(b)
7:30	0.000	0.000	0.000	0.297	0.968	0.562	0.000	0.213	0.055	0.000	0.495	0.059
7:45	0.000	0.014	0.000	0.804	2.249	1.492	0.000	0.138	0.032	0.000	0.409	0.090
8:00	0.000	0.003	0.000	0.679	2.493	1.708	0.000	0.134	0.031	0.000	0.458	0.108
8:15	0.000	0.012	0.000	0.752	2.173	1.501	0.000	0.140	0.030	0.000	0.399	0.130
8:30	0.000	0.008	0.000	0.470	1.482	1.026	0.000	0.158	0.028	0.000	0.470	0.154
8:45	0.000	0.000	0.000	0.557	1.208	0.929	0.000	0.118	0.029	0.000	0.541	0.182
9:00	0.000	0.000	0.000	0.616	0.946	0.790	0.000	0.140	0.027	0.000	0.520	0.199
9:15	0.000	0.079	0.002	0.596	0.868	0.723	0.000	0.146	0.027	0.000	0.531	0.202
9:30	0.000	0.027	0.000	0.563	0.694	0.643	0.000	0.150	0.027	0.000	0.504	0.186
9:45	0.000	0.000	0.000	0.548	0.746	0.608	0.000	0.145	0.027	0.000	0.548	0.179
10:00	0.000	0.000	0.000	0.451	0.620	0.514	0.000	0.179	0.033	0.000	0.543	0.170
10:15	0.000	0.000	0.000	0.419	0.719	0.532	0.000	0.151	0.031	0.019	0.556	0.142
10:30	0.000	0.000	0.000	0.361	0.468	0.403	0.000	0.138	0.032	0.013	0.438	0.131
10:45	0.000	0.001	0.000	0.427	0.623	0.500	0.000	0.273	0.046	0.043	1.207	0.398
11:00	0.000	0.000	0.000	0.305	0.687	0.542	0.000	0.287	0.056	0.050	0.989	0.384
11:15	0.000	0.000	0.000	0.188	0.660	0.495	0.000	0.318	0.059	0.029	1.133	0.463
11:30	0.000	0.000	0.000	0.000	0.668	0.350	0.000	0.278	0.060	0.073	1.578	0.522
11:45	0.000	0.000	0.000	0.000	0.651	0.346	0.000	0.253	0.058	0.148	1.308	0.565
12:00	0.000	0.000	0.000	0.000	0.521	0.343	0.000	1.119	0.097	0.093	1.358	0.468
12:15	0.000	0.009	0.000	0.215	0.833	0.413	0.000	0.978	0.080	0.081	0.859	0.360
12:30	0.000	0.000	0.000	0.112	0.453	0.354	0.000	0.256	0.041	0.048	1.069	0.295
12:45	0.000	0.000	0.000	0.179	0.418	0.310	0.000	0.422	0.057	0.000	1.216	0.321
13:00	0.000	0.000	0.000	0.077	0.365	0.250	0.000	0.173	0.036	0.000	1.072	0.240
13:15	0.000	0.000	0.000	0.098	0.192	0.130	0.000	0.566	0.057	0.000	0.595	0.159
13:30	0.000	0.000	0.000	0.089	0.269	0.134	0.000	0.370	0.055	0.004	1.041	0.317
13:45	0.000	0.000	0.000	0.073	0.215	0.112	0.000	0.378	0.079	0.027	1.057	0.330
14:00	0.000	0.000	0.000	0.066	0.162	0.097	0.000	0.465	0.061	0.035	1.083	0.257
14:15	0.000	0.000	0.000	0.054	0.196	0.087	0.000	0.246	0.057	0.000	0.804	0.276
14:30	0.000	0.000	0.000	0.024	0.262	0.058	0.000	0.395	0.071	0.004	1.625	0.400
14:45	0.000	0.000	0.000	0.018	0.091	0.029	0.000	0.427	0.060	0.068	5.126	0.999

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, May 21, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.000	0.000	0.000	0.013	0.046	0.020	0.000	0.204	0.036	0.045	3.941	0.646
15:15	0.000	0.000	0.000	0.012	0.130	0.021	0.000	0.269	0.054	0.020	2.122	0.406
15:30	0.000	0.000	0.000	0.010	0.080	0.016	0.000	0.360	0.058	0.014	1.641	0.426
15:45	0.000	0.000	0.000	0.007	0.019	0.012	0.000	0.166	0.034	0.002	1.657	0.268
16:00	0.000(b)	0.000(b)	0.000(b)	0.006(b)	0.039(b)	0.012(b)	0.000(b)	0.205(b)	0.035(b)	0.000(b)	1.940(b)	0.348(b)
16:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**			**0.453**			**0.047**			**0.302**		
Sampler Start Time	6:46 AM			6:54 AM			7:01 AM			7:03 AM		
Sampler End Time	15:47 PM			15:51 PM			15:55 PM			15:56 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, May 21, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	0.000(b)	0.003(b)	0.002(b)	0.002(b)	0.000(b)	0.001(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	(a)	(a)	(a)	(a)
7:15	0.002	0.005	0.003		0.000	0.002	0.001		0.000	0.004	0.001		0.000(b)	0.003(b)	0.002(b)	
7:30	0.002	0.004	0.003		0.000	0.002	0.001		0.002	0.004	0.003		0.003	0.005	0.004	
7:45	0.003	0.005	0.004		0.000	0.002	0.001		0.000	0.004	0.002		0.002	0.005	0.003	
8:00	0.003	0.008	0.004	0.004	0.000	0.002	0.001	0.001	0.003	0.004	0.003	0.003	0.002	0.003	0.002	0.003(b)
8:15	0.003	0.016	0.005		0.000	0.003	0.001		0.000	0.004	0.003		0.002	0.003	0.002	
8:30	0.003	0.013	0.005		0.000	0.003	0.001		0.002	0.004	0.004		0.002	0.003	0.002	
8:45	0.002	0.007	0.004		0.000	0.004	0.002		0.003	0.004	0.004		0.001	0.003	0.002	
9:00	0.003	0.005	0.004	0.004	0.001	0.006	0.002	0.002	0.003	0.004	0.003	0.003	0.002	0.003	0.002	0.002
9:15	0.003	0.027	0.006		0.002	0.003	0.002		0.003	0.006	0.004		0.001	0.003	0.002	
9:30	0.002	0.009	0.004		0.002	0.004	0.003		0.003	0.005	0.004		0.002	0.003	0.002	
9:45	0.003	0.006	0.004		0.002	0.004	0.002		0.000	0.005	0.003		0.002	0.004	0.003	
10:00	0.003	0.004	0.004	0.004	0.002	0.016	0.004	0.003	0.001	0.006	0.003	0.003	0.002	0.004	0.003	0.003
10:15	0.003	0.005	0.004		0.000	0.004	0.002		0.000	0.005	0.003		0.002	0.004	0.004	
10:30	0.004	0.005	0.005		0.002	0.004	0.003		0.000	0.008	0.004		0.003	0.013	0.005	
10:45	0.003	0.005	0.004		0.001	0.004	0.003		0.000	0.007	0.003		0.004	0.043	0.020	
11:00	0.003	0.004	0.003	0.004	0.000	0.003	0.001	0.002	0.004	0.007	0.005	0.004	0.014	0.057	0.030	0.015
11:15	0.002	0.004	0.003		0.002	0.002	0.002		0.001	0.006	0.004		0.012	0.049	0.022	
11:30	0.003	0.005	0.004		0.002	0.004	0.003		0.004	0.008	0.005		0.010	0.034	0.018	
11:45	0.003	0.005	0.005		0.003	0.004	0.004		0.005	0.027	0.007		0.012	0.026	0.016	
12:00	0.004	0.005	0.005	0.004	0.003	0.004	0.004	0.003	0.005	0.035	0.011	0.007	0.010	0.021	0.014	0.018
12:15	0.005	0.006	0.005		0.003	0.004	0.004		0.006	0.027	0.009		0.011	0.027	0.014	
12:30	0.005	0.006	0.006		0.004	0.004	0.004		0.007	0.007	0.007		0.010	0.043	0.015	
12:45	0.005	0.007	0.006		0.000	0.005	0.003		0.000	0.017	0.007		0.008	0.016	0.012	
13:00	0.005	0.007	0.006	0.006	0.000	0.004	0.003	0.003	0.000	0.010	0.005	0.007	0.005	0.012	0.007	0.012
13:15	0.005	0.007	0.006		0.001	0.005	0.003		0.000	0.010	0.005		0.005	0.008	0.006	
13:30	0.005	0.007	0.006		0.002	0.005	0.004		0.006	0.009	0.008		0.006	0.117	0.021	
13:45	0.006	0.008	0.007		0.004	0.005	0.005		0.007	0.009	0.007		0.009	0.095	0.021	
14:00	0.004	0.008	0.006	0.006	0.004	0.006	0.005	0.004	0.007	0.009	0.008	0.007	0.005	0.027	0.008	0.014
14:15	0.005	0.007	0.006		0.004	0.006	0.005		0.007	0.009	0.008		0.004	0.017	0.008	
14:30	0.005	0.007	0.006		0.004	0.007	0.005		0.008	0.010	0.008		0.004	0.041	0.011	
14:45	0.006	0.007	0.007		0.004	0.006	0.005		0.008	0.010	0.009		0.006	0.011	0.008	
15:00	0.006	0.007	0.007	0.006	0.005	0.007	0.006	0.005	0.008	0.010	0.008	0.008	0.004	0.010	0.007	0.008
15:15	0.005	0.007	0.006		0.004	0.007	0.005		0.006	0.014	0.009		0.005	0.010	0.006	
15:30	0.007	0.008	0.007		0.003	0.007	0.005		0.008	0.015	0.009		0.003	0.014	0.005	
15:45	0.006	0.008	0.008		0.004	0.006	0.006		0.007	0.010	0.009		0.003	0.005	0.004	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, May 21, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				**ppm**				**ppm**				**ppm**			
16:00	0.006(b)	0.007(b)	0.007(b)	0.007(b)	0.004(b)	0.005(b)	0.005(b)	0.005(b)	0.007(b)	0.009(b)	0.008(b)	0.009(b)	0.003(b)	0.004(b)	0.003(b)	0.005(b)
16:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
16:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
16:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.005**				**0.003**				**0.006**				**0.009**			
Sampler Start Time	6:47 AM				6:55 AM				7:00 AM				7:06 AM			
Sampler End Time	3:48 PM				3:52 PM				3:54 PM				3:58 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, May 21, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	49.4(b)	34.0(b)	(a)	40.8(b)
7:00	51.0	35.3	(a)	34.4
7:30	51.9	27.2	(a)	35.8
8:00	58.0	27.3	25.6(b)	34.6
8:30	53.8	26.3	29.1	35.0
9:00	55.3	26.6	30.9	35.5
9:30	55.6	29.3	30.4	34.7
10:00	49.9	30.7	31.7	33.0
10:30	54.5	29.4	32.2	42.6
11:00	56.5	39.3	39.4	57.2
11:30	64.1	45.3	47.7	59.3
12:00	65.5	48.1	54.0	57.9
12:30	63.4	45.4	39.9	68.0
13:00	58.8	40.5	33.8	47.4
13:30	50.4	35.6	27.9	41.8
14:00	45.1	32.3	23.8	36.5
14:30	36.7	26.3	19.5	34.2
15:00	30.1	20.2	13.7	30.0
15:30	28.5	18.3	12.9	25.7
16:00	25.8(b)	16.4(b)	10.9(b)	23.2(b)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**50.7**	**31.8**	**29.8**	**40.4**
Sampler Start Time	6:09 AM	6:12 AM	7:32 AM	6:07 AM
Sampler End Time	15:49 PM	15:54 PM	15:56 PM	15:58 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, May 24, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 66.5 °F
Average wind speed: 5.5 meters/second
Predominant wind direction: South

5) Site Activity:
Start Time: 8:00 AM (Began applying cement at 6:30 am)
Stop Time: 4:45 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, May 24, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.000(b)	0.051(b)	0.016(b)	0.000(b)	0.044(b)	0.007(b)	(a)	(a)	(a)	0.000(b)	0.199(b)	0.001(b)
7:30	0.000	0.060	0.009	0.000	0.023	0.000	0.000(b)	0.206(b)	0.056(b)	0.000	0.388	0.032
7:45	0.000	0.031	0.005	0.000	0.000	0.000	0.000	0.167	0.035	0.000	0.477	0.100
8:00	0.000	0.027	0.003	0.000	0.000	0.000	0.000	0.123	0.024	0.054	0.718	0.253
8:15	0.000	1.187	0.041	0.000	0.000	0.000	0.000	0.075	0.009	0.042	0.972	0.502
8:30	0.000	0.090	0.013	0.000	0.000	0.000	0.000	0.046	0.004	0.082	0.978	0.603
8:45	0.000	0.087	0.014	0.000	0.000	0.000	0.000	0.049	0.005	0.181	1.088	0.600
9:00	0.000	0.136	0.024	0.000	0.000	0.000	0.000	0.066	0.007	0.089	1.014	0.616
9:15	0.000	0.116	0.016	0.000	0.000	0.000	0.000	0.079	0.010	0.114	1.241	0.764
9:30	0.000	0.176	0.014	0.000	0.000	0.000	0.000	0.062	0.007	0.348	1.252	0.797
9:45	0.000	0.073	0.009	0.000	0.000	0.000	0.000	0.040	0.005	0.228	1.423	0.877
10:00	0.000	0.049	0.008	0.000	0.000	0.000	0.000	0.066	0.007	0.272	1.390	0.917
10:15	0.000	0.075	0.010	0.000	0.000	0.000	0.000	0.074	0.007	0.296	1.347	0.911
10:30	0.000	0.064	0.013	0.000	0.000	0.000	0.000	0.115	0.018	0.243	1.522	0.973
10:45	0.000	0.100	0.021	0.000	0.000	0.000	0.000	0.184	0.036	0.137	1.169	0.765
11:00	0.000	0.091	0.011	0.000	0.000	0.000	0.000	0.173	0.045	0.169	1.129	0.648
11:15	0.000	0.057	0.014	0.000	0.000	0.000	0.000	0.194	0.048	0.094	0.918	0.451
11:30	0.000	17.231	0.297	0.000	0.005	0.000	0.000	0.151	0.043	0.048	0.739	0.316
11:45	0.000	0.055	0.010	0.000	0.000	0.000	0.000	0.156	0.043	0.000	0.859	0.344
12:00	0.000	0.125	0.016	0.000	0.000	0.000	0.000	0.174	0.042	0.018	1.070	0.572
12:15	0.000	0.069	0.010	0.000	0.000	0.000	0.000	0.149	0.024	0.314	1.579	0.909
12:30	0.000	0.061	0.006	0.000	0.000	0.000	0.000	0.049	0.003	0.763	2.472	1.682
12:45	0.000	0.172	0.011	0.000	0.000	0.000	0.000	0.110	0.022	0.666	2.396	1.472
13:00	0.000	0.018	0.002	0.000	0.000	0.000	0.000	0.115	0.014	0.414	1.794	1.273
13:15	0.000	0.188	0.008	0.000	0.000	0.000	0.000	0.106	0.007	0.579	2.049	1.284
13:30	0.000	0.069	0.006	0.000	0.000	0.000	0.000	0.025	0.001	0.928	2.598	1.873
13:45	0.000	0.044	0.003	0.000	0.000	0.000	0.000	0.094	0.001	1.148	2.869	2.123
14:00	0.000	0.035	0.002	0.000	0.000	0.000	0.000	0.120	0.012	0.928	2.272	1.660
14:15	0.000	0.113	0.008	0.000	0.000	0.000	0.000	0.156	0.037	0.491	2.012	1.356
14:30	0.000	0.033	0.003	0.000	0.000	0.000	0.000	0.197	0.046	0.191	1.289	0.766
14:45	0.000	0.113	0.007	0.000	0.000	0.000	0.000	0.276	0.052	0.181	1.090	0.590

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, May 24, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.000	0.087	0.015	0.000	0.000	0.000	0.000	0.233	0.048	0.033	0.805	0.476
15:15	0.000	0.116	0.011	0.000	0.012	0.000	0.000	0.223	0.050	0.055	0.768	0.346
15:30	0.000	0.054	0.007	0.000	0.318	0.049	0.000	0.217	0.051	0.044	0.597	0.237
15:45	0.000	0.038	0.006	0.000	0.443	0.223	0.000	0.209	0.047	0.083	0.683	0.212
16:00	0.000	0.017	0.002	0.027	0.333	0.224	0.000	0.234	0.057	0.085	0.677	0.272
16:15	0.000	0.046	0.004	0.000	0.191	0.114	0.000	0.311	0.063	0.088	0.957	0.419
16:30	0.000	0.038	0.008	(e)	(e)	(e)	0.000	0.213	0.047	0.333	1.041	0.636
16:45	0.000	0.114	0.022	0.000(d)	0.303(d)	0.170(d)	0.000	0.188	0.041	0.369	1.029	0.737
17:00	0.000	0.193	0.023	0.051	0.209	0.150	0.000	0.125	0.024	0.357	1.109	0.679
17:15	0.000	0.058	0.008	0.000	0.173	0.111	0.000(b)	0.141(b)	0.030(b)	0.219(b)	0.904(b)	0.539(b)
17:30	0.000(b)	0.016(b)	0.005(b)	0.000(b)	0.138(b)	0.071(b)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.018**			**0.025**			**0.028**			**0.747**		
Sampler Start Time	7:11 AM			7:14 AM			7:26 AM			7:02 AM		
Sampler End Time	17:17 PM			17:20 PM			17:13 PM			17:14 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) No data for this averaging period due to battery change.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, May 24, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.003(b)	0.003(b)	0.003(b)		(a)	(a)	(a)		(a)	(a)	(a)		0.001(b)	0.005(b)	0.003(b)	
7:30	0.002	0.008	0.003		0.000	0.002	0.001		0.000(b)	0.001(b)	0.000(b)		0.000	0.003	0.002	
7:45	0.002	0.005	0.003		0.001	0.005	0.002		0.000	0.002	0.002		0.001	0.007	0.003	
8:00	0.002	0.008	0.004	0.003(b)	0.001	0.004	0.002	0.002(b)	0.002	0.003	0.002	0.001(b)	0.001	0.006	0.003	0.003(b)
8:15	0.003	0.013	0.004		0.001	0.004	0.002		0.001	0.003	0.003		0.002	0.010	0.003	
8:30	0.002	0.024	0.008		0.001	0.009	0.003		0.001	0.003	0.003		0.002	0.019	0.008	
8:45	0.003	0.022	0.011		0.000	0.012	0.003		0.002	0.003	0.003		0.002	0.028	0.011	
9:00	0.003	0.016	0.007	0.008	0.001	0.016	0.004	0.003	0.002	0.003	0.003	0.003	0.004	0.036	0.011	0.008
9:15	0.002	0.011	0.006		0.000	0.010	0.001		0.001	0.003	0.003		0.002	0.017	0.006	
9:30	0.002	0.013	0.005		0.000	0.002	0.001		0.002	0.003	0.003		0.003	0.016	0.007	
9:45	0.002	0.010	0.005		0.000	0.014	0.003		0.002	0.003	0.003		0.004	0.011	0.006	
10:00	0.003	0.007	0.004	0.005	0.000	0.009	0.002	0.002	0.002	0.003	0.003	0.003	0.004	0.030	0.009	0.007
10:15	0.002	0.005	0.003		0.000	0.004	0.001		0.002	0.003	0.003		0.002	0.029	0.006	
10:30	0.002	0.003	0.003		0.000	0.002	0.001		0.002	0.003	0.003		0.002	0.010	0.005	
10:45	0.002	0.005	0.003		0.000	0.002	0.001		0.003	0.003	0.003		0.002	0.007	0.003	
11:00	0.002	0.006	0.003	0.003	0.000	0.002	0.001	0.001	0.002	0.003	0.003	0.003	0.002	0.009	0.004	0.004
11:15	0.002	0.005	0.003		0.002	0.004	0.002		0.001	0.003	0.002		0.002	0.009	0.004	
11:30	0.003	0.005	0.003		0.001	0.002	0.002		0.000	0.004	0.003		0.002	0.005	0.003	
11:45	0.002	0.006	0.004		0.000	0.002	0.002		0.001	0.004	0.003		0.001	0.004	0.003	
12:00	0.002	0.050	0.008	0.005	0.000	0.024	0.004	0.002	0.001	0.007	0.003	0.003	0.000	0.044	0.006	0.004
12:15	0.002	0.045	0.010		0.001	0.022	0.006		0.001	0.004	0.002		0.000	0.023	0.004	
12:30	0.002	0.032	0.007		0.001	0.014	0.004		0.002	0.007	0.004		0.001	0.017	0.004	
12:45	0.004	0.025	0.009		0.003	0.005	0.004		0.004	0.007	0.006		0.002	0.034	0.007	
13:00	0.003	0.005	0.005	0.007	0.002	0.012	0.005	0.005	0.003	0.006	0.005	0.004	0.002	0.005	0.003	0.005
13:15	0.003	0.013	0.006		0.002	0.007	0.004		0.003	0.007	0.004		0.002	0.010	0.004	
13:30	0.003	0.012	0.005		0.002	0.005	0.002		0.002	0.005	0.003		0.002	0.012	0.007	
13:45	0.004	0.008	0.005		0.002	0.005	0.003		0.003	0.007	0.005		0.002	0.007	0.004	
14:00	0.003	0.008	0.004	0.005	0.000	0.005	0.003	0.003	0.003	0.008	0.005	0.004	0.002	0.005	0.003	0.005
14:15	0.003	0.006	0.004		0.000	0.005	0.003		0.005	0.007	0.006		0.002	0.010	0.004	
14:30	0.003	0.005	0.004		0.002	0.005	0.003		0.004	0.030	0.008		0.002	0.006	0.003	
14:45	0.004	0.007	0.005		0.002	0.011	0.006		0.003	0.007	0.006		0.002	0.009	0.005	
15:00	0.004	0.009	0.006	0.005	0.000	0.005	0.001	0.003	0.003	0.009	0.006	0.006	0.003	0.010	0.006	0.004
15:15	0.004	0.006	0.005		0.000	0.003	0.002		0.003	0.008	0.006		0.003	0.015	0.005	
15:30	0.004	0.005	0.005		0.000	0.006	0.002		0.000	0.007	0.006		0.003	0.005	0.004	
15:45	0.004	0.006	0.005		0.002	0.003	0.002		0.004	0.010	0.007		0.003	0.005	0.004	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, May 24, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.004	0.006	0.006	0.005	0.002	0.005	0.003	0.002	0.005	0.009	0.007	0.006	0.003	0.005	0.004	0.004
16:15	0.005	0.006	0.006		0.002	0.005	0.004		0.006	0.009	0.008		0.003	0.006	0.004	
16:30	0.002	0.006	0.005		0.002	0.003	0.002		0.002	0.008	0.005		0.003	0.006	0.005	
16:45	0.003	0.006	0.005		0.002	0.005	0.004		0.000	0.008	0.005		0.003	0.007	0.005	
17:00	0.003	0.005	0.004	0.005	0.003	0.005	0.004	0.003	0.002	0.008	0.006	0.006	0.003	0.005	0.004	0.004
17:15	0.002	0.005	0.004		0.002	0.005	0.003		0.002(b)	0.007(b)	0.004(b)		0.003	0.005	0.004	
17:30	0.003(b)	0.003(b)	0.003(b)		0.002(b)	0.003(b)	0.002(b)		(c)	(c)	(c)		0.003(b)	0.003(b)	0.003(b)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	0.004(b)	(c)	(c)	(c)	0.003(b)	(c)	(c)	(c)	0.004(b)	(c)	(c)	(c)	0.003(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.005**				**0.003**				**0.004**				**0.005**			
Sampler Start Time	7:10 AM				7:16 AM				7:22 AM				7:04 AM			
Sampler End Time	5:18 PM				5:21 PM				5:13 PM				5:16 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, May 24, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	31.3(b)	22.6(b)	25.5(b)	22.7(b)
7:00	40.8	32.1	46.9	32.6
7:30	40.1	22.0	48.9	29.2
8:00	25.5	10.4	54.8	24.7
8:30	16.6	6.2	61.0	17.1
9:00	16.7	5.2	53.4	17.9
9:30	26.1	4.6	44.7	23.0
10:00	11.5	3.3	31.5	13.1
10:30	10.8	3.9	25.6	13.3
11:00	14.6	5.7	17.7	14.6
11:30	17.8	5.5	13.2	18.5
12:00	26.2	7.7	21.0	21.1
12:30	22.8	7.0	23.3	18.7
13:00	13.7	2.6	10.6	12.9
13:30	15.8	1.3	12.7	17.3
14:00	14.1	2.5	15.6	13.7
14:30	11.9	4.7	11.1	12.6
15:00	14.0	5.5	14.3	14.4
15:30	16.3	4.6	14.5	14.8
16:00	13.7	2.0	12.3	12.5
16:30	14.6	5.3	12.2	13.3
17:00	23.7	3.3	17.7	16.6
17:30	22.3(b)	1.8(b)	13.8(b)	19.1
18:00	(c)	(c)	(c)	(c)
Daily Average	**19.9**	**7.2**	**26.5**	**17.9**
Sampler Start Time	6:08 AM	6:10 AM	6:12 AM	6:04 AM
Sampler End Time	17:19 PM	17:22 PM	17:13 PM	17:16 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, May 25, 2004**

1) Exceedances:
There was an exceedance of the Particulate Matter Action Limit during the 10:01-10:30 averaging period at DR3. The 30 minute TWA for this period at DR3, a downwind monitor, was 71.1 ug/m3. The upwind monitor 30 minute TWA for this same period was 7.2 ug/m3. This represents a difference of 63.9 ug/m3, which exceeds the Action Limit (downwind monitor greater than 52 ug/m3 above upwind monitor). The cause of this exceedance was due to cement escaping from the hood. The process was shut down until the situation was remedied.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 65 °F
Average wind speed: 1.8 meters/second
Predominant wind direction: North, see note below.

5) Site Activity:
Start Time: 8:00 AM (Began applying cement at 6:30 am)
Stop Time: 4:30 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
The NOAA forecast for the day predicted the wind would be from the south, so the monitors were set up with Station 3 being the "upwind" station. However, the wind was actually from the north and Station 1 ended up being the actual upwind location. Field data sheets reflect the predicted wind direction, while this report reflects the actual wind direction.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 25, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind (e)			Downwind			Downwind (e)			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.000(b)	0.021(b)	0.000(b)	0.082(b)	0.172(b)	0.136(b)	(a)	(a)	(a)	0.000	0.412	0.008
7:30	0.000	0.005	0.000	0.163	0.278	0.228	0.000(b)	0.424(b)	0.181(b)	0.000	0.431	0.029
7:45	0.000	0.002	0.000	0.202	0.333	0.275	0.000	0.374	0.160	0.000	0.472	0.066
8:00	0.000	0.002	0.000	0.093	0.280	0.216	0.000	0.408	0.168	0.000	0.431	0.081
8:15	0.000	0.000	0.000	0.000	0.341	0.173	0.000	0.407	0.160	0.000	0.403	0.100
8:30	0.000	0.000	0.000	0.000	0.228	0.091	0.000	0.367	0.147	0.000	0.417	0.117
8:45	0.000	0.000	0.000	0.000	0.235	0.047	0.000	0.365	0.154	0.000	0.487	0.142
9:00	0.000	0.000	0.000	0.000	0.259	0.062	0.000	0.343	0.145	0.000	0.453	0.160
9:15	0.000	0.000	0.000	0.000	0.397	0.129	0.000	0.835	0.165	0.000	0.521	0.170
9:30	0.000	0.000	0.000	0.000	0.408	0.154	0.000	0.659	0.155	0.000	0.572	0.189
9:45	0.000	0.000	0.000	0.000	0.585	0.161	0.000	0.369	0.152	0.000	0.498	0.181
10:00	0.000	0.000	0.000	0.000	0.737	0.220	0.000	0.402	0.154	0.000	0.432	0.161
10:15	0.000	0.000	0.000	0.000	0.567	0.295	0.000	0.370	0.162	0.000	0.427	0.141
10:30	0.000	0.000	0.000	0.000	0.510	0.335	0.000	0.381	0.167	0.000	0.435	0.131
10:45	0.000	0.000	0.000	0.084	0.393	0.271	0.000	0.478	0.160	0.000	0.423	0.137
11:00	0.000	0.000	0.000	0.000	0.381	0.221	0.000	0.787	0.176	0.000	0.443	0.143
11:15	0.000	0.000	0.000	0.000	0.484	0.237	0.006	0.573	0.187	0.000	0.429	0.144
11:30	0.000	0.000	0.000	0.000	0.352	0.252	0.000	0.509	0.171	0.011	0.466	0.148
11:45	0.000	0.000	0.000	0.106	0.340	0.264	0.000	0.410	0.169	0.013	0.457	0.151
12:00	0.000	0.000	0.000	0.011	0.319	0.230	0.000	0.399	0.167	0.003	0.502	0.161
12:15	0.000	0.000	0.000	0.104	0.238	0.167	0.000	0.372	0.159	0.000	0.606	0.155
12:30	0.000	0.000	0.000	0.114	0.204	0.161	0.000	0.403	0.161	0.022	0.503	0.158
12:45	0.000	0.000	0.000	0.070	0.165	0.114	0.000	0.528	0.170	0.011	0.432	0.148
13:00	0.000	0.000	0.000	0.013	0.145	0.078	0.000	0.438	0.170	0.000	0.526	0.168
13:15	0.000	0.000	0.000	0.000	0.137	0.064	0.000	0.672	0.185	0.042	0.581	0.193
13:30	0.000	0.000	0.000	0.000	0.099	0.036	0.000	0.595	0.189	0.000	0.550	0.187
13:45	0.000	0.000	0.000	0.000	0.162	0.017	0.000	0.360	0.146	0.051	0.544	0.218
14:00	0.000	0.000	0.000	0.000	0.026	0.004	0.000	0.874	0.221	0.029	0.591	0.228
14:15	0.000	0.000	0.000	0.000	0.208	0.019	0.000	0.400	0.169	0.049	0.757	0.246
14:30	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.438	0.162	0.000	0.610	0.252
14:45	0.000	0.000	0.000	0.000	0.250	0.020	0.000	0.515	0.160	0.008	0.739	0.229
15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.638	0.188	0.000	0.629	0.218

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 25, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind (e)			Downwind			Downwind (e)			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:15	0.000	0.000	0.000	0.000	0.884	0.041	0.000	0.636	0.190	0.055	0.641	0.233
15:30	0.000	0.000	0.000	0.000	0.562	0.029	0.000	0.523	0.190	0.017	0.659	0.241
15:45	0.000	0.000	0.000	0.000	2.042	0.053	0.000	0.409	0.157	0.051	0.647	0.236
16:00	0.000	0.000	0.000	0.000	0.625	0.052	0.000	1.848	0.242	0.000	0.727	0.226
16:15	0.000	0.030	0.000	0.000	1.070	0.107	0.001	0.493	0.189	0.000	0.630	0.212
16:30	0.000	0.176	0.012	0.000	0.099	0.023	0.000	0.341	0.156	0.000	0.521	0.192
16:45	0.000	0.031	0.000	0.008	0.061	0.034	0.000	0.386	0.146	0.000	0.510	0.192
17:00	0.000	0.003	0.000	0.005	0.053	0.029	0.000	0.369	0.148	0.034	0.796	0.231
17:15	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.032(b)	0.004(b)	(c)	(c)	(c)	0.075(b)	0.477(b)	0.205(b)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**			**0.125**			**0.169**			**0.168**		
Sampler Start Time	7:07 AM			7:13 AM			7:22 AM			7:01 AM		
Sampler End Time	17:04 PM			17:07 PM			17:00 PM			17:01 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) The NOAA forecast for the day predicted the wind would be from the south, so the monitors were set up with Station 3 being the "upwind" station. However, the wind was actually from the north and Station 1 ended up being the actual upwind location. Field data sheets reflect the predicted wind direction, while this report reflects the actual wind direction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 25, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind (g)				Downwind				Downwind (g)				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.002(b)	0.003(b)	0.003(b)		0.000(b)	0.002(b)	0.001(b)		0.002(b)	0.003(b)	0.003(b)		0.001(b)	0.003(b)	0.002(b)	
7:30	0.002	0.003	0.003		0.002	0.003	0.002		0.002	0.003	0.003		0.001	0.003	0.002	
7:45	0.003	0.003	0.003		0.002	0.003	0.002		0.003	0.003	0.003		0.002	0.002	0.002	
8:00	0.002	0.003	0.003	0.003(b)	0.002	0.003	0.002	0.002(b)	0.002	0.003	0.003	0.003(b)	0.001	0.002	0.002	0.002(b)
8:15	0.002	0.006	0.003		0.002	0.003	0.003		0.002	0.006	0.003		0.002	0.009	0.002	
8:30	0.002	0.003	0.003		0.002	0.003	0.003		0.002	0.003	0.003		0.001	0.002	0.002	
8:45	0.003	0.004	0.003		0.002	0.003	0.002		0.003	0.004	0.003		0.002	0.002	0.002	
9:00	0.002	0.003	0.003	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.003	0.003	0.002	0.002	0.002	0.002
9:15	0.002	0.003	0.003		0.002	0.004	0.002		0.002	0.003	0.003		0.002	0.002	0.002	
9:30	0.002	0.003	0.003		0.002	0.003	0.002		0.002	0.003	0.003		0.002	0.002	0.002	
9:45	0.002	0.004	0.003		0.002	0.003	0.002		0.002	0.004	0.003		0.002	0.002	0.002	
10:00	0.002	0.003	0.003	0.003	0.000	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.002	0.003	0.002	0.002
10:15	0.002	0.004	0.003		0.001	0.003	0.002		0.002	0.004	0.003		0.002	0.003	0.002	
10:30	0.002	0.004	0.003		0.000	0.003	0.002		0.002	0.004	0.003		0.002	0.003	0.002	
10:45	0.002	0.004	0.003		0.000	0.003	0.002		0.002	0.004	0.003		0.002	0.003	0.002	
11:00	0.002	0.004	0.003	0.003	0.003	0.004	0.003	0.002	0.002	0.004	0.003	0.003	0.002	0.003	0.002	0.002
11:15	0.002	0.005	0.004		0.001	0.004	0.003		0.002	0.005	0.004		0.002	0.004	0.003	
11:30	0.003	0.007	0.005		0.000	0.004	0.003		0.003	0.007	0.005		0.002	0.004	0.003	
11:45	0.004	0.005	0.005		0.000	0.004	0.003		0.004	0.005	0.005		0.003	0.005	0.004	
12:00	0.005	0.006	0.005	0.005	0.002	0.004	0.004	0.003	0.005	0.006	0.005	0.005	0.004	0.005	0.005	0.004
12:15	0.004	0.006	0.005		0.003	0.005	0.004		0.004	0.006	0.005		0.004	0.009	0.005	
12:30	0.004	0.006	0.005		0.002	0.005	0.004		0.004	0.006	0.005		0.004	0.006	0.005	
12:45	0.005	0.006	0.005		0.000	0.005	0.003		0.005	0.006	0.005		0.004	0.010	0.005	
13:00	0.005	0.007	0.006	0.005	0.000	0.005	0.004	0.004	0.005	0.007	0.006	0.005	0.004	0.005	0.004	0.005
13:15	0.005	0.006	0.005		0.003	0.005	0.004		0.005	0.006	0.005		0.003	0.005	0.005	
13:30	0.005	0.007	0.006		0.004	0.005	0.004		0.005	0.007	0.006		0.004	0.005	0.005	
13:45	0.005	0.007	0.006		0.004	0.007	0.005		0.005	0.007	0.006		0.004	0.006	0.005	
14:00	0.005	0.007	0.006	0.006	0.005	0.007	0.005	0.005	0.005	0.007	0.006	0.006	0.004	0.007	0.004	0.005
14:15	0.005	0.006	0.005		0.000	0.005	0.004		0.005	0.006	0.005		0.004	0.006	0.005	
14:30	0.005	0.007	0.006		0.002	0.005	0.004		0.005	0.007	0.006		0.005	0.010	0.006	
14:45	0.005	0.008	0.006		0.002	0.005	0.004		0.005	0.008	0.006		0.004	0.005	0.005	
15:00	0.005	0.006	0.005	0.006	0.002	0.005	0.004	0.004	0.005	0.006	0.005	0.006	0.004	0.005	0.004	0.005
15:15	0.005	0.008	0.006		0.004	0.005	0.005		0.005	0.008	0.006		0.004	0.005	0.004	
15:30	0.004	0.007	0.006		0.002	0.005	0.004		0.004	0.007	0.006		0.004	0.005	0.005	
15:45	0.004	0.007	0.005		0.003	0.005	0.004		0.004	0.007	0.005		0.004	0.005	0.005	
16:00	0.005	0.006	0.005	0.006	0.002	0.004	0.003	0.004	0.005	0.006	0.005	0.006	0.003	0.005	0.005	0.005

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 25, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind (g)				Downwind				Downwind (g)				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				**ppm**				**ppm**				**ppm**			
16:15	0.004	0.006	0.005		0.000	0.003	0.002		0.004	0.006	0.005		0.003	0.033	0.007	
16:30	0.003	0.006	0.004		0.000	0.001	0.000		0.003	0.006	0.004		0.002	0.005	0.004	
16:45	0.002	0.004	0.003		0.000	0.000	0.000		0.002	0.004	0.003		0.002	0.004	0.002	
17:00	0.001	0.002	0.002	0.004	0.000	0.001	0.000	0.001	0.001	0.002	0.002	0.004	0.000	0.002	0.000	0.003
17:15	0.001(b)	0.002(b)	0.002(b)		0.000(b)	0.000(b)	0.000(b)		0.001(b)	0.002(b)	0.002(b)		0.000(b)	0.000(b)	0.000(b)	
17:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	0.002(b)	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.002(b)	(c)	(c)	(c)	0.000(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.004**				**0.003**				**0.004**				**0.003**			
Sampler Start Time	7:08 AM				7:13 AM				7:08 AM				7:04 AM			
Sampler End Time	5:05 PM				5:07 PM				5:05 PM				5:02 PM			

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

1-hour TWA is calculated as an average of the 1-minute logged data within the hour

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

(g) The NOAA forecast for the day predicted the wind would be from the south, so the monitors were set up with Station 3 being the "upwind" station. However, the wind was actually from the north and Station 1 ended up being the actual upwind location. Field data sheets reflect the predicted wind direction, while this report reflects the actual wind direction.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, May 25, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind (f)	**Downwind**	**Downwind (f)**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	23.4(b)	12.1(b)	63.4(b)	17.9(b)
7:00	22.1	7.8	20.6	16.6
7:30	22.5	7.5	19.8	17.0
8:00	17.6	5.8	24.9	14.4
8:30	21.5	5.3	18.3	17.0
9:00	14.5	4.3	15.1	12.2
9:30	11.4	2.8	12.1	10.1
10:00	9.0	2.1	19.3	8.6
10:30	7.2	1.9	**71.1(e)**	7.2
11:00	6.6	1.5	18.7	6.8
11:30	5.9	1.1	27.7	5.9
12:00	4.9	0.4	41.3	4.8
12:30	5.5	0.4	5.8	5.9
13:00	4.6	0.3	6.4	4.7
13:30	4.0	0.1	24.6	3.7
14:00	5.5	0.4	51.2	4.6
14:30	4.5	0.1	9.1	5.1
15:00	4.8	0.4	7.5	3.3
15:30	4.8	0.5	10.9	3.9
16:00	5.2	0.2	7.0	4.2
16:30	9.7	0.8	10.7	5.8
17:00	7.2	0.0	6.6	7.4
17:30	8.4(b)	0.1(b)	5.8(b)	7.2(b)
18:00	(c)	(c)	(c)	(c)
Daily Average	**9.8**	**2.3**	**20.5**	**8.3**
Sampler Start Time	6:17 AM	6:17 AM	6:29 AM	6:15 AM
Sampler End Time	17:05 PM	17:09 PM	17:02 PM	17:02 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to cement escaping from the hood. Process was shut down until problem was fixed.

(f) The NOAA forecast for the day predicted the wind would be from the south, so the monitors were set up with Station 3 being the "upwind" station. However, the wind was actually from the north and Station 1 ended up being the actual upwind location. Field data sheets reflect the predicted wind direction, while this report reflects the actual wind direction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, May 26, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 57 °F
Average wind speed: 7.4 meters/second
Predominant wind direction: South

5) Site Activity:
Start Time: 8:00 AM (Began applying cement at 6:30 am)
Stop Time: 5:30 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 26, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.392(b)	0.152(b)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)	(a)	0.000	0.347	0.134	(a)	(a)	(a)
7:30	(a)	(a)	(a)	(a)	(a)	(a)	0.000	0.376	0.140	(a)	(a)	(a)
7:45	0.000(b)	0.009(b)	0.000(b)	(a)	(a)	(a)	0.000	0.379	0.135	0.000(b)	0.479(b)	0.085(b)
8:00	0.000	0.021	0.000	0.000(b)	0.209(b)	0.072(b)	0.000	0.387	0.136	0.000	0.466	0.144
8:15	0.000	0.019	0.000	0.191	0.538	0.352	0.000	0.345	0.138	0.000	0.571	0.159
8:30	0.000	0.010	0.000	0.400	0.698	0.510	0.000	0.402	0.139	0.000	0.487	0.168
8:45	0.000	0.011	0.000	0.552	0.739	0.620	0.000	0.350	0.125	0.000	0.488	0.179
9:00	0.000	0.011	0.000	0.438	0.675	0.505	0.000	0.350	0.136	0.000	0.518	0.191
9:15	0.000	0.031	0.000	0.189	1.140	0.402	0.000	0.311	0.126	0.000	0.545	0.208
9:30	0.000	0.032	0.001	0.100	0.386	0.233	0.000	0.371	0.122	0.000	0.561	0.222
9:45	0.000	0.008	0.000	0.132	0.436	0.272	0.000	0.303	0.114	0.000	0.567	0.236
10:00	0.000	0.021	0.000	0.075	0.532	0.281	0.000	0.317	0.120	0.009	0.588	0.249
10:15	0.000	0.026	0.001	0.087	0.509	0.255	0.000	0.320	0.111	0.000	0.614	0.260
10:30	0.000	0.032	0.001	0.000	0.423	0.229	0.000	0.304	0.110	0.000	0.625	0.281
10:45	0.000	0.010	0.000	0.058	0.421	0.246	0.000	0.276	0.108	0.003	0.673	0.286
11:00	0.000	0.009	0.000	0.000	1.943	0.163	0.000	0.312	0.113	0.000	0.644	0.307
11:15	0.000	0.009	0.000	0.000	0.286	0.092	0.000	0.290	0.116	0.004	0.715	0.319
11:30	0.000	0.009	0.000	0.000	0.189	0.018	0.000	0.285	0.109	0.010	0.729	0.346
11:45	0.000	0.012	0.000	0.000	0.070	0.002	0.000	0.318	0.111	0.003	0.735	0.356
12:00	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.305	0.111	0.030	0.781	0.404
12:15	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.316	0.104	0.020	0.858	0.478
12:30	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.296	0.107	0.071	0.886	0.473
12:45	0.000	0.014	0.000	0.000	0.120	0.002	0.000	0.298	0.114	0.040	0.925	0.513
13:00	0.000	0.010	0.000	0.000	0.300	0.021	0.000	0.328	0.130	0.036	0.871	0.468
13:15	0.000	0.024	0.000	0.000	0.381	0.058	0.000	0.334	0.130	0.014	0.856	0.419
13:30	0.000	0.007	0.000	0.000	0.399	0.097	0.000	0.330	0.139	0.003	0.759	0.381
13:45	0.000	0.052	0.001	0.000	0.323	0.054	0.001	0.345	0.139	0.009	0.750	0.341
14:00	0.000	0.003	0.000	0.000	0.378	0.133	0.000	0.332	0.148	0.032	0.706	0.321
14:15	0.000	0.042	0.001	0.000	0.325	0.108	0.013	0.330	0.144	0.000	0.574	0.271
14:30	0.000	0.002	0.000	0.000	0.304	0.116	0.000	0.334	0.142	0.036	0.549	0.241
14:45	0.000	0.042	0.001	0.000	0.385	0.159	0.000	0.331	0.147	0.009	0.586	0.219
15:00	0.000	0.000	0.000	0.000	0.268	0.105	0.000	0.308	0.131	0.000	0.542	0.194

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 26, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:15	0.000	0.098	0.004	0.000	0.303	0.081	0.000	0.331	0.142	0.004	0.456	0.174
15:30	0.000	0.054	0.003	0.000	0.246	0.038	0.000	0.330	0.129	0.032	0.524	0.176
15:45	0.000	0.456	0.017	0.000	0.181	0.039	0.000	0.329	0.133	0.001	0.685	0.227
16:00	0.000	0.415	0.029	0.000	0.223	0.011	0.000	0.304	0.126	0.061	0.912	0.230
16:15	0.000	0.222	0.032	0.000	0.182	0.003	0.000	0.304	0.127	0.000	0.698	0.229
16:30	0.000	0.277	0.010	0.000	0.073	0.001	0.000	0.320	0.134	0.000	0.694	0.236
16:45	0.000	0.097	0.012	0.000	0.004	0.000	0.000	0.371	0.133	0.000	0.620	0.219
17:00	0.000	0.058	0.004	0.000	0.053	0.001	0.000	0.288	0.127	0.014	0.631	0.201
17:15	0.000	0.106	0.003	0.000	0.027	0.001	0.000(d)	0.336(d)	0.141(d)	0.011	0.498	0.194
17:30	0.000	0.031	0.000	0.000	0.019	0.001	0.000	0.322	0.124	0.055	0.645	0.217
17:45	0.000	0.027	0.000	0.000	0.044	0.003	0.000	0.307	0.126	0.000	0.537	0.216
18:00	0.000(b)	0.023(b)	0.001(b)	0.000	0.036	0.002	0.000	0.311	0.130	0.045(b)	0.648(b)	0.246(b)
18:15	(c)	(c)	(c)	(c)	(c)	(c)	0.000(b)	0.159(b)	0.000(b)	(c)	(c)	(c)
Daily Average	**0.003**			**0.129**			**0.128**			**0.271**		
Sampler Start Time	7:43 AM			7:47 AM			6:54 AM			7:38 AM		
Sampler End Time	17:55 PM			18:00 PM			18:06 PM			17:56 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 26, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.004(b)	0.005(b)	0.004(b)	0.004(b)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)		(a)	(a)	(a)		0.004	0.005	0.004		(a)	(a)	(a)	
7:30	(a)	(a)	(a)		(a)	(a)	(a)		0.004	0.006	0.005		(a)	(a)	(a)	
7:45	0.006(b)	0.006(b)	0.006(b)		(a)	(a)	(a)		0.005	0.006	0.005		0.004(b)	0.005(b)	0.005(b)	
8:00	0.005	0.021	0.007	0.007(b)	0.003(b)	0.006(b)	0.004(b)	0.004(b)	0.004	0.005	0.005	0.005	0.003	0.026	0.008	0.006(b)
8:15	0.005	0.012	0.006		0.002	0.006	0.004		0.004	0.005	0.004		0.002	0.043	0.009	
8:30	0.005	0.013	0.006		0.002	0.005	0.004		0.004	0.005	0.004		0.002	0.037	0.009	
8:45	0.004	0.009	0.006		0.002	0.011	0.004		0.003	0.004	0.004		0.002	0.037	0.009	
9:00	0.004	0.011	0.007	0.006	0.002	0.011	0.005	0.004	0.001	0.004	0.003	0.004	0.001	0.047	0.015	0.010
9:15	0.003	0.015	0.007		0.002	0.009	0.004		0.003	0.004	0.003		0.001	0.027	0.008	
9:30	0.002	0.026	0.008		0.002	0.013	0.004		0.003	0.004	0.003		0.000	0.042	0.011	
9:45	0.002	0.005	0.003		0.002	0.008	0.004		0.003	0.003	0.003		0.001	0.023	0.006	
10:00	0.001	0.005	0.002	0.005	0.002	0.006	0.003	0.004	0.003	0.004	0.003	0.003	0.000	0.022	0.005	0.008
10:15	0.002	0.010	0.005		0.002	0.007	0.003		0.003	0.003	0.003		0.001	0.013	0.007	
10:30	0.002	0.006	0.004		0.000	0.006	0.003		0.003	0.003	0.003		0.000	0.035	0.008	
10:45	0.000	0.003	0.002		0.000	0.020	0.003		0.002	0.003	0.003		0.000	0.007	0.001	
11:00	0.001	0.003	0.002	0.003	0.000	0.002	0.001	0.002	0.003	0.003	0.003	0.003	0.000	0.002	0.001	0.004
11:15	0.000	0.004	0.002		0.000	0.002	0.000		0.003	0.003	0.003		0.000	0.014	0.003	
11:30	0.000	0.005	0.003		0.000	0.005	0.001		0.002	0.003	0.003		0.000	0.011	0.003	
11:45	0.000	0.003	0.001		0.000	0.001	0.000		0.002	0.003	0.003		0.000	0.011	0.003	
12:00	0.000	0.002	0.001	0.002	0.000	0.000	0.000	0.000	0.002	0.003	0.003	0.003	0.000	0.028	0.004	0.003
12:15	0.001	0.010	0.003		0.000	0.002	0.001		0.003	0.003	0.003		0.000	0.012	0.002	
12:30	0.000	0.004	0.002		0.000	0.000	0.000		0.003	0.003	0.003		0.000	0.011	0.004	
12:45	0.000	0.017	0.002		0.000	0.004	0.001		0.003	0.003	0.003		0.000	0.012	0.004	
13:00	0.000	0.008	0.003	0.002	0.000	0.002	0.000	0.000	0.002	0.003	0.003	0.003	0.000	0.015	0.003	0.003
13:15	0.000	0.007	0.003		0.000	0.002	0.000		0.003	0.004	0.003		0.000	0.010	0.002	
13:30	0.000	0.005	0.001		0.000	0.004	0.000		0.003	0.003	0.003		0.000	0.007	0.002	
13:45	0.000	0.006	0.001		0.000	0.004	0.000		0.003	0.006	0.004		0.000	0.012	0.002	
14:00	0.000	0.002	0.000	0.001	0.000	0.000	0.000	0.000	0.002	0.004	0.003	0.003	0.000	0.012	0.003	0.003
14:15	0.001	0.003	0.002		0.000	0.006	0.000		0.003	0.005	0.004		0.000	0.011	0.004	
14:30	0.001	0.003	0.002		0.000	0.000	0.000		0.003	0.005	0.004		0.001	0.026	0.006	
14:45	0.001	0.005	0.002		0.000	0.000	0.000		0.003	0.005	0.004		0.000	0.011	0.005	
15:00	0.002	0.009	0.003	0.002	0.000	0.001	0.000	0.000	0.003	0.007	0.005	0.004	0.000	0.006	0.002	0.004
15:15	0.002	0.007	0.003		0.000	0.000	0.000		0.003	0.005	0.004		0.001	0.026	0.007	
15:30	0.002	0.035	0.006		0.000	0.010	0.001		0.003	0.006	0.005		0.002	0.027	0.006	
15:45	0.002	0.021	0.007		0.000	0.041	0.005		0.004	0.006	0.005		0.002	0.017	0.008	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 26, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.002	0.006	0.003	0.005	0.000	0.010	0.001	0.002	0.004	0.006	0.005	0.005	0.003	0.008	0.004	0.006
16:15	0.002	0.012	0.004		0.000	0.002	0.000		0.003	0.005	0.005		0.003	0.012	0.007	
16:30	0.002	0.004	0.002		0.000	0.006	0.001		0.004	0.006	0.005		0.002	0.006	0.003	
16:45	0.002	0.027	0.006		0.000	0.005	0.001		0.004	0.006	0.005		0.003	0.041	0.009	
17:00	0.002	0.004	0.002	0.004	0.000	0.001	0.000	0.000	0.004(b)	0006(b)	0.005(b)	0.005(b)	0.003	0.009	0.004	0.006
17:15	0.002	0.003	0.002		0.000	0.001	0.000		(c)	(c)	(c)		0.002	0.006	0.004	
17:30	0.002	0.003	0.002		0.000	0.001	0.000		(c)	(c)	(c)		0.002	0.006	0.003	
17:45	0.002	0.003	0.002		0.000	0.001	0.000		(c)	(c)	(c)		0.002	0.009	0.003	
18:00	0.002(b)	0.005(b)	0.002(b)	0.002(b)	0.000	0.000	0.000	0.000	(c)	(c)	(c)	(c)	0.001(b)	0.038(b)	0.006(b)	0.004(b)
18:15	(c)	(c)	(c)		0.00(b)	0.000(b)	0.000(b)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.003**				**0.001**				**0.004**				**0.005**			
Sampler Start Time	7:44 AM				7:49 AM				6:55 AM				7:40 AM			
Sampler End Time	5:56 PM				6:01 PM				4:50 PM				5:58 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, May 26, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	9.9(b)	1.9(b)	6.9(b)	8.8(b)
7:00	14.1	3.6	7.8	15.9
7:30	23.6	4.7	8.1	26.6
8:00	15.3	7.8	8.4	13.2
8:30	16.9	7.0	8.4	15.8
9:00	15.8	5.3	8.5	17.6
9:30	12.5	3.9	8.1	15.3
10:00	10.4	3.7	8.6	13.4
10:30	16.6	2.9	9.8	18.1
11:00	16.6	6.1	15.0	16.6
11:30	22.3	9.7	15.7	18.9
12:00	23.9	12.3	18.4	23.8
12:30	27.8	9.3	20.0	27.9
13:00	24.9	8.0	16.5	24.1
13:30	24.5	10.1	15.1	21.4
14:00	17.9	10.5	13.7	20.6
14:30	17.6	9.4	12.5	17.6
15:00	16.4	8.4	12.2	15.7
15:30	18.6	4.4	12.0	22.2
16:00	23.4	2.9	11.6	21.1
16:30	21.0	4.7	11.1	23.5
17:00	16.5	4.7	10.7	13.5
17:30	14.1	6.5	10.7	12.2
18:00	15.1(b)	5.8	11.1	12.6(b)
18:30	(c)	4.7(b)	9.7(b)	(c)
Daily Average	**18.3**	**6.5**	**11.8**	**18.3**
Sampler Start Time	6:09 AM	6:13 AM	6:19 AM	6:07 AM
Sampler End Time	17:57 PM	18:03 PM	18:10 PM	17:58 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, May 27, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 68 °F
Average wind speed: 2 meters/second
Predominant wind direction: North, see note below.

5) Site Activity:
Start Time: 8:00 AM (Began applying cement at 6:30 am)
Stop Time: 4:30 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:

Morning observation and NOAA forecast for the day predicted the wind would be from the South, so the monitors were set up with station 3 being the "upwind" station. However, the wind varied throughout the day and the predominant wind ended up coming from the North and station 1 ended up being the predominant upwind location. Field data sheets reflect the predicted wind direction, while this report reflects the actual wind direction.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 27, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind (e)			Downwind			Downwind (e)			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.000(b)	0.044(b)	0.012(b)	0.000(b)	0.102(b)	0.019(b)	(a)	(a)	(a)	0.000	0.420	0.034
7:15	0.000	0.018	0.001	0.000	0.138	0.065	0.020(b)	0.387(b)	0.187(b)	0.000	0.675	0.143
7:30	0.000	0.013	0.001	0.000	0.000	0.000	0.000	0.358	0.133	0.008	0.794	0.337
7:45	0.000	0.016	0.002	0.000	0.000	0.000	0.000	0.292	0.112	0.093	1.241	0.716
8:00	0.000	0.023	0.002	0.000	0.000	0.000	0.000	0.243	0.086	0.484	2.260	1.323
8:15	0.000	0.022	0.002	0.000	2.379	0.012	0.000	0.246	0.086	0.672	2.280	1.446
8:30	0.000	0.031	0.003	0.000	0.000	0.000	0.000	0.256	0.096	0.449	2.024	1.289
8:45	0.000	0.035	0.006	0.000	0.000	0.000	0.000	0.259	0.104	0.600	2.376	1.392
9:00	0.000	0.037	0.006	0.000	0.000	0.000	0.000	0.558	0.145	1.447	3.150	2.451
9:15	0.000	0.039	0.008	0.000	0.105	0.001	0.005	0.407	0.155	0.890	2.682	1.791
9:30	0.000	0.047	0.010	0.000	0.000	0.000	0.000	1.942	0.176	0.276	1.769	0.956
9:45	0.000	0.047	0.009	0.000	0.000	0.000	0.000	0.339	0.140	0.043	1.091	0.577
10:00	0.000	0.032	0.009	0.000	0.086	0.004	0.011	0.771	0.177	0.036	1.130	0.477
10:15	0.000	0.046	0.010	0.000	0.052	0.001	0.004	1.286	0.204	0.010	0.616	0.215
10:30	0.000	0.036	0.011	0.000	0.003	0.000	0.000	1.558	0.225	0.004	0.528	0.180
10:45	0.000	0.085	0.010	0.000	0.064	0.003	0.000	0.974	0.151	0.000	0.617	0.161
11:00	0.000	0.079	0.012	0.000	0.040	0.002	0.000	0.433	0.126	0.021	0.491	0.143
11:15	0.000	0.042	0.010	0.000	0.112	0.002	0.000	0.386	0.136	0.023	0.510	0.164
11:30	0.000	0.036	0.010	0.000	0.000	0.000	0.000	0.403	0.144	0.032	0.529	0.171
11:45	0.000	0.043	0.011	0.000	0.009	0.000	0.000	0.612	0.181	0.033	0.576	0.176
12:00	0.000	0.046	0.010	0.000	0.015	0.000	0.000	0.707	0.222	0.000	0.561	0.179
12:15	0.000	0.056	0.010	0.000	0.000	0.000	0.000	0.563	0.211	0.000	0.553	0.181
12:30	0.000	0.044	0.010	0.000	0.007	0.000	0.000	0.506	0.213	0.015	0.529	0.187
12:45	0.000	0.035	0.010	0.000	0.001	0.000	0.000	0.374	0.140	0.059	1.679	0.272
13:00	0.000	0.046	0.010	0.000	0.000	0.000	0.009	0.455	0.174	0.000	0.519	0.208
13:15	0.000	0.043	0.010	0.000	0.000	0.000	0.000	0.443	0.176	0.024	0.688	0.238
13:30	0.000	0.043	0.009	0.000	0.000	0.000	0.000	0.488	0.163	0.077	0.747	0.255
13:45	0.000	0.050	0.009	0.000	0.000	0.000	0.000	0.782	0.196	0.000	0.680	0.267
14:00	0.000	0.040	0.009	0.000	0.000	0.000	0.000	0.938	0.261	0.031	0.761	0.271
14:15	0.000	0.038	0.009	0.000	0.000	0.000	0.000	1.215	0.307	0.064	0.695	0.304
14:30	0.000	0.052	0.009	0.000	0.000	0.000	0.000	0.782	0.236	0.048	0.668	0.334
14:45	0.000	0.044	0.008	0.000	0.084	0.002	0.003	0.656	0.177	0.014	0.724	0.382

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 27, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind (e)			Downwind			Downwind (e)			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.000	0.043	0.008	0.000	0.000	0.000	0.000	1.358	0.257	0.090	0.877	0.456
15:15	0.000	0.038	0.008	0.000	0.036	0.000	0.009	0.942	0.269	0.191	0.849	0.510
15:30	0.000	0.024	0.008	0.000	0.000	0.000	0.011	1.064	0.247	0.129	0.896	0.534
15:45	0.000	0.022	0.007	0.000	0.000	0.000	0.000	1.076	0.217	0.225	0.887	0.603
16:00	0.000	0.039	0.008	0.000	0.041	0.000	0.000	0.483	0.137	0.263	1.082	0.682
16:15	0.000	0.024	0.008	0.000	0.000	0.000	0.000	0.651	0.147	0.360	1.046	0.611
16:30	0.000	0.025	0.006	0.000	0.000	0.000	0.000	0.557	0.173	0.307	1.029	0.685
16:45	0.000	0.023	0.007	0.000	0.120	0.003	0.008	0.714	0.185	0.503	1.068	0.773
17:00	0.000	0.024	0.007	0.000	0.000	0.000	0.000	0.674	0.148	0.394	1.097	0.847
17:15	0.000	0.063	0.011	0.000	0.139	0.008	0.000	0.656	0.150	1.047(d)	1.349(d)	1.149(d)
17:30	0.000	0.173	0.029	0.000	0.192	0.037	0.000(b)	0.301(b)	0.126(b)	0.938	1.112	1.034
17:45	0.012(b)	0.099(b)	0.062(b)	0.000(b)	0.192(b)	0.064(b)	(c)	(c)	(c)	0.938(b)	0.961(b)	0.948(b)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.009**			**0.004**			**0.174**			**0.581**		
Sampler Start Time	6:51 AM			6:57 AM			7:14 AM			6:46 AM		
Sampler End Time	17:34 PM			17:36 PM			17:29 PM			17:31 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) The NOAA forecast for the day predicted the wind would be from the south, so the monitors were set up with Station 3 being the "upwind" station. However, the wind was variable though the day and the predominant wind direction was from the north. As a result Station 1 ended up being the predominant upwind location. Field data sheets reflect the predicted wind direction, while this report reflects the predominant wind direction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 27, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind (g)				Downwind				Downwind (g)				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	0.000(b)	0.005(b)	0.001(b)	0.001(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	(a)	(a)	(a)	(a)	0.001(b)	0.005(b)	0.002(b)	0.002(b)
7:15	0.000	0.001	0.001		0.000	0.002	0.001		0.000(b)	0.001(b)	0.001(b)		0.000	0.002	0.001	
7:30	0.000	0.002	0.001		0.000	0.002	0.001		0.000	0.001	0.001		0.000	0.002	0.002	
7:45	0.000	0.006	0.002		0.000	0.013	0.002		0.000	0.001	0.001		0.001	0.005	0.002	
8:00	0.000	0.002	0.001	0.001	0.000	0.001	0.000	0.001	0.000	0.002	0.001	0.001(b)	0.001	0.009	0.003	0.002
8:15	0.000	0.006	0.003		0.000	0.003	0.002		0.000	0.003	0.001		0.001	0.006	0.003	
8:30	0.001	0.011	0.003		0.000	0.002	0.001		0.000	0.002	0.001		0.001	0.004	0.002	
8:45	0.001	0.013	0.003		0.000	0.002	0.001		0.001	0.003	0.002		0.001	0.006	0.002	
9:00	0.001	0.003	0.002	0.003	0.000	0.002	0.000	0.001	0.000	0.014	0.004	0.002	0.002	0.004	0.002	0.002
9:15	0.003	0.004	0.003		0.000	0.002	0.001		0.002	0.007	0.004		0.002	0.004	0.003	
9:30	0.002	0.005	0.003		0.000	0.002	0.001		0.003	0.006	0.004		0.003	0.010	0.004	
9:45	0.002	0.007	0.004		0.001	0.003	0.002		0.001	0.022	0.005		0.002	0.008	0.004	
10:00	0.004	0.006	0.005	0.004	0.000	0.004	0.002	0.002	0.002	0.011	0.006	0.005	0.002	0.017	0.005	0.004
10:15	0.004	0.006	0.005		0.000	0.004	0.002		0.003	0.025	0.010		0.004	0.015	0.007	
10:30	0.005	0.006	0.006		0.000	0.004	0.002		0.006	0.033	0.011		0.004	0.007	0.005	
10:45	0.005	0.009	0.006		0.000	0.005	0.004		0.007	0.010	0.008		0.005	0.006	0.005	
11:00	0.005	0.008	0.006	0.006	0.001	0.006	0.004	0.003	0.004	0.014	0.007	0.009	0.005	0.007	0.006	0.006
11:15	0.006	0.007	0.007		0.000	0.010	0.003		0.006	0.009	0.008		0.005	0.009	0.006	
11:30	0.006	0.008	0.007		0.000	0.006	0.004		0.007	0.009	0.008		0.005	0.007	0.006	
11:45	0.006	0.007	0.006		0.005	0.006	0.005		0.007	0.010	0.008		0.004	0.007	0.005	
12:00	0.006	0.008	0.007	0.007	0.000	0.007	0.005	0.004	0.008	0.011	0.009	0.008	0.004	0.007	0.006	0.006
12:15	0.006	0.008	0.007		0.004	0.007	0.005		0.007	0.014	0.011		0.005	0.007	0.006	
12:30	0.007	0.009	0.008		0.000	0.007	0.005		0.008	0.012	0.010		0.006	0.007	0.007	
12:45	0.006	0.009	0.007		0.000	0.007	0.004		0.006	0.017	0.010		0.006	0.007	0.006	
13:00	0.006	0.007	0.007	0.007	0.000	0.006	0.003	0.004	0.008	0.017	0.010	0.010	0.005	0.007	0.006	0.007
13:15	0.006	0.010	0.007		0.005	0.007	0.006		0.009	0.011	0.010		0.006	0.010	0.007	
13:30	0.006	0.008	0.007		0.005	0.007	0.006		0.009	0.016	0.010		0.005	0.007	0.006	
13:45	0.007	0.008	0.007		0.005	0.007	0.006		0.009	0.011	0.010		0.006	0.010	0.007	
14:00	0.006	0.008	0.008	0.007	0.005	0.009	0.006	0.006	0.008	0.012	0.010	0.010	0.005	0.008	0.007	0.007
14:15	0.004	0.010	0.007		0.002	0.007	0.005		0.009	0.015	0.012		0.006	0.011	0.007	
14:30	0.004	0.008	0.007		0.005	0.006	0.005		0.009	0.014	0.011		0.005	0.007	0.007	
14:45	0.007	0.008	0.007		0.005	0.006	0.006		0.009	0.026	0.011		0.006	0.007	0.007	
15:00	0.006	0.008	0.007	0.007	0.005	0.007	0.007	0.005	0.009	0.019	0.013	0.011	0.006	0.007	0.007	0.007
15:15	0.007	0.008	0.007		0.005	0.007	0.006		0.008	0.090	0.020		0.006	0.007	0.007	
15:30	0.007	0.008	0.007		0.005	0.007	0.006		0.009	0.047	0.020		0.005	0.007	0.007	
15:45	0.007	0.008	0.007		0.005	0.007	0.006		0.008	0.013	0.010		0.005	0.008	0.007	
16:00	0.007	0.008	0.008	0.008	0.000	0.007	0.005	0.006	0.007	0.029	0.011	0.015	0.005	0.008	0.007	0.007

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 27, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind (g)				Downwind				Downwind (g)				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:15	0.007	0.008	0.008		0.005	0.007	0.006		0.007	0.010	0.008		0.006	0.008	0.007	
16:30	0.007	0.008	0.008		0.000	0.006	0.002		0.008	0.011	0.009		0.005	0.007	0.007	
16:45	0.007	0.008	0.008		0.000	0.005	0.003		0.008	0.009	0.008		0.006	0.008	0.007	
17:00	0.007	0.008	0.008	0.008	0.000	0.006	0.005	0.004	0.007	0.008	0.008	0.008	0.006	0.008	0.007	0.007
17:15	0.007	0.008	0.007		0.004	0.007	0.006		0.007	0.009	0.008		0.004	0.009	0.007	
17:30	0.005	0.008	0.006		0.000	0.005	0.004		0.003(b)	0.008(b)	0.006(b)		0.001	0.008	0.005	
17:45	0.006(b)	0.006(b)	0.006(b)		0.002(b)	0.005(b)	0.003(b)		(c)	(c)	(c)		0.001(b)	0.006(b)	0.003(b)	
18:00	(c)	(c)	(c)	0.007(b)	(c)	(c)	(c)	0.005(b)	(c)	(c)	(c)	0.007(b)	(c)	(c)	(c)	0.005(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.006**				**0.004**				**0.008**				**0.005**			
Sampler Start Time	6:52 AM				6:59 AM				7:12 AM				6:48 AM			
Sampler End Time	5:34 PM				5:37 PM				5:27 PM				5:33 PM			

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

1-hour TWA is calculated as an average of the 1-minute logged data within the hour

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

(g) The NOAA forecast for the day predicted the wind would be from the south, so the monitors were set up with Station 3 being the "upwind" station. However, the wind was variable though the day and the predominant wind direction was from the north. As a result Station 1 ended up being the predominant upwind location. Field data sheets reflect the predicted wind direction, while this report reflects the predominant wind direction.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, May 27, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind (e)	**Downwind**	**Downwind (e)**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	13.6(b)	5.6(b)	12.6(b)	11.1(b)
7:00	20.1	7.5	9.9	23.8
7:30	16.8	6.8	13.2	17.4
8:00	20.9	6.8	14.8	20.0
8:30	29.1	6.8	16.3	29.2
9:00	27.3	8.1	19.2	22.2
9:30	33.7	11.7	29.6	28.3
10:00	33.8	10.9	34.0	26.3
10:30	28.1	9.2	44.9	29.8
11:00	30.1	10.9	29.3	28.7
11:30	31.5	12.4	28.8	22.7
12:00	29.9	11.4	52.5	21.2
12:30	23.6	8.2	51.8	16.7
13:00	21.6	6.3	36.2	14.7
13:30	23.7	2.8	57.9	16.4
14:00	19.2	2.3	33.9	11.9
14:30	20.6	5.8	25.6	12.2
15:00	18.6	4.9	48.7	10.8
15:30	17.6	4.3	31.3	9.7
16:00	17.2	4.5	18.3	10.5
16:30	18.7	5.2	18.3	11.2
17:00	19.1	5.7	17.1	9.5
17:30	22.8	5.0	16.2	11.8
18:00	28.3(b)	5.3(b)	17.4(b)	15.2(b)
Daily Average	**23.6**	**7.1**	**29.1**	**18.2**
Sampler Start Time	6:12 AM	6:14 AM	6:16 PM	6:09 AM
Sampler End Time	17:36 PM	17:38 PM	17:31 PM	17:32 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) The NOAA forecast for the day predicted the wind would be from the south, so the monitors were set up with Station 3 being the "upwind" station. However, the wind was variable though the day and the predominant wind direction was from the north. As a result Station 1 ended up being the predominant upwind location. Field data sheets reflect the predicted wind direction, while this report reflects the predominant wind direction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, May 28, 2004**

1) Exceedances:
There were two exceedances of the VOC Action Limit at Station 4, V4, for the 9:46 - 10:00 am, and 10:01 - 10:15 averaging periods. The values for these periods were 6.423 ppm, and 5.891 ppm respectively. The Action Limit for VOC is 5 ppm. The exceedances were related to dump trucks idling within 20 feet of the monitoring station, while waiting to unload in the northeast corner of the lagoon. After instructing drivers not to park next to monitors while waiting to unload, VOC levels decreased.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 67 °F
Average wind speed: 3 meters/second
Predominant wind direction: South

5) Site Activity:
Start Time: 8:00 AM (Began applying cement at 6:30 am)
Stop Time: 2:45 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, May 28, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.000(b)	0.000(b)
7:00	0.000(b)	0.006(b)	0.000(b)	0.000(b)	0.090(b)	0.021(b)	(a)	(a)	(a)	0.000	0.430	0.032
7:15	0.000	0.000	0.000	0.091	0.568	0.382	0.004(b)	0.339(b)	0.158(b)	0.000	0.508	0.066
7:30	0.000	0.000	0.000	0.000	1.037	0.355	0.000	0.311	0.111	0.026	0.607	0.211
7:45	0.000	0.000	0.000	0.322	1.173	0.824	0.000	0.248	0.077	0.046	0.842	0.380
8:00	0.000	0.021	0.000	0.000	0.877	0.174	0.000	0.166	0.041	0.183	1.447	0.846
8:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.010	0.651	2.125	1.380
8:30	0.000	3.116	0.092	0.000	0.000	0.000	0.000	0.058	0.003	0.966	2.213	1.588
8:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.001	0.705	2.806	1.952
9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.141	0.002	1.403	2.901	2.291
9:15	0.000	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.780	3.792	2.686
9:30	0.000	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.474	4.065	3.428
9:45	0.000	0.041	0.001	0.000	0.000	0.000	0.000	0.000	0.000	3.143	6.782	4.784
10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.537	7.194	6.423(e)
10:15	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.601	7.015	5.891(e)
10:30	0.000	0.063	0.001	0.000	0.000	0.000	0.000	0.000	0.000	4.026	5.400	4.738
10:45	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.028	0.001	2.349	5.255	3.924
11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.159	0.002	2.088	3.415	2.887
11:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.001	2.436	3.873	3.205
11:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	1.793	4.019	3.032
11:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.086	0.003	0.916	2.733	1.916
12:00	0.000	0.003	0.000	0.000	0.780	0.003	0.000	0.400	0.038	0.567	1.840	1.342
12:15	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.541	0.021	0.656	1.867	1.438
12:30	0.000	0.017	0.000	0.000	0.000	0.000	0.000	0.489	0.090	0.490	1.898	1.307
12:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.348	0.159	0.302	1.653	1.047
13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.878	0.210	0.183	1.262	0.754
13:15	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.341	0.134	0.000	0.803	0.347
13:30	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.312	0.138	0.000	0.715	0.313
13:45	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.604	0.170	0.041	0.614	0.258
14:00	0.000	0.001	0.000	0.000	0.045	0.005	0.000	0.649	0.207	0.000	0.626	0.215
14:15	0.000(b)	0.000(b)	0.000(b)	0.000	0.013	0.000	0.000	1.002	0.163	0.000	0.564	0.210
14:30	(c)	(c)	(c)	0.000	0.001	0.000	0.003	0.784	0.215	0.024	0.623	0.186
14:45	(c)	(c)	(c)	0.000	0.002	0.000	0.000	0.702	0.204	0.000	0.588	0.197

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, May 28, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	(c)	(c)	(c)	0.000	0.000	0.000	0.000	0.708	0.196	0.000	0.627	0.210
15:15	(c)	(c)	(c)	0.000	0.007	0.000	0.000	0.685	0.201	0.001	0.673	0.227
15:30	(c)	(c)	(c)	0.000(b)	0.005(b)	0.000(b)	(c)	(c)	(c)	0.029(b)	0.507(b)	0.225(b)
15:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.003**			**0.051**			**0.076**			**1.741**		
Sampler Start Time	6:50 AM			6:55 AM			7:10 AM			6:45 AM		
Sampler End Time	14:12 PM			15:28 PM			15:15 PM			15:19 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to dump trucks idling within 20 feet of the station.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, May 28, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	0.003(b)	0.003(b)	0.003(b)	0.003(b)	0.001(b)	0.003(b)	0.002(b)	0.002(b)	(a)	(a)	(a)	(a)	0.002	0.012	0.004	0.004(b)
7:15	0.000	0.005	0.003		0.001	0.003	0.002		0.002	0.006	0.004		0.000	0.009	0.003	
7:30	0.002	0.005	0.004		0.000	0.002	0.002		0.004	0.007	0.006		0.002	0.009	0.007	
7:45	0.002	0.004	0.003		0.002	0.004	0.003		0.003	0.006	0.005		0.004	0.013	0.007	
8:00	0.003	0.006	0.004	0.003	0.001	0.005	0.003	0.002	0.003	0.015	0.006	0.005	0.006	0.020	0.009	0.006
8:15	0.003	0.046	0.008		0.002	0.005	0.004		0.004	0.007	0.005		0.004	0.010	0.007	
8:30	0.003	0.020	0.007		0.001	0.013	0.004		0.003	0.006	0.004		0.004	0.025	0.011	
8:45	0.002	0.027	0.006		0.001	0.012	0.004		0.003	0.006	0.004		0.004	0.035	0.010	
9:00	0.002	0.007	0.004	0.006	0.000	0.004	0.001	0.003	0.003	0.009	0.005	0.005	0.002	0.014	0.005	0.008
9:15	0.002	0.007	0.003		0.000	0.004	0.001		0.003	0.031	0.006		0.002	0.033	0.006	
9:30	0.002	0.023	0.006		0.002	0.005	0.004		0.003	0.019	0.005		0.002	0.017	0.006	
9:45	0.003	0.035	0.009		0.000	0.024	0.005		0.002	0.004	0.003		0.003	0.018	0.006	
10:00	0.001	0.007	0.004	0.005	0.000	0.007	0.002	0.003	0.002	0.005	0.004	0.004	0.002	0.007	0.004	0.006
10:15	0.002	0.005	0.003		0.000	0.004	0.002		0.000	0.008	0.003		0.002	0.007	0.004	
10:30	0.002	0.005	0.003		0.000	0.003	0.001		0.002	0.004	0.003		0.002	0.008	0.005	
10:45	0.000	0.007	0.004		0.000	0.003	0.001		0.001	0.006	0.003		0.004	0.009	0.006	
11:00	0.001	0.014	0.003	0.003	0.000	0.006	0.001	0.001	0.001	0.006	0.002	0.003	0.002	0.007	0.003	0.004
11:15	0.000	0.002	0.001		0.000	0.000	0.000		0.001	0.005	0.003		0.002	0.010	0.005	
11:30	0.001	0.005	0.003		0.000	0.010	0.002		0.001	0.003	0.002		0.002	0.051	0.010	
11:45	0.001	0.005	0.002		0.000	0.002	0.001		0.001	0.007	0.003		0.002	0.015	0.005	
12:00	0.000	0.002	0.001	0.002	0.000	0.000	0.000	0.001	0.002	0.018	0.005	0.003	0.001	0.003	0.002	0.005
12:15	0.000	0.002	0.001		0.000	0.000	0.000		0.001	0.009	0.004		0.001	0.003	0.002	
12:30	0.001	0.002	0.001		0.000	0.000	0.000		0.004	0.013	0.007		0.001	0.004	0.002	
12:45	0.001	0.003	0.002		0.000	0.001	0.000		0.004	0.021	0.010		0.001	0.002	0.002	
13:00	0.001	0.003	0.002	0.002	0.000	0.002	0.001	0.000	0.007	0.029	0.012	0.008	0.001	0.005	0.003	0.002
13:15	0.004	0.010	0.005		0.002	0.005	0.003		0.006	0.011	0.009		0.004	0.019	0.006	
13:30	0.003	0.006	0.004		0.000	0.004	0.002		0.001	0.008	0.006		0.003	0.008	0.005	
13:45	0.004	0.005	0.005		0.001	0.004	0.003		0.004	0.009	0.007		0.003	0.007	0.005	
14:00	0.005	0.007	0.005	0.005	0.003	0.005	0.004	0.003	0.005	0.012	0.009	0.008	0.005	0.008	0.005	0.005
14:15	0.005	0.007	0.006		0.003	0.005	0.004		0.006	0.011	0.008		0.005	0.007	0.005	
14:30	0.005	0.007	0.006		0.004	0.005	0.004		0.008	0.010	0.009		0.005	0.006	0.005	
14:45	0.005	0.007	0.006		0.004	0.005	0.004		0.008	0.011	0.009		0.005	0.008	0.005	
15:00	0.005	0.007	0.006	0.006	0.004	0.005	0.005	0.004	0.008	0.023	0.009	0.009	0.005	0.006	0.005	0.005
15:15	0.005	0.007	0.006		0.004	0.005	0.005		0.008(b)	0.010(b)	0.009(b)		0.005	0.012	0.006	
15:30	0.006(b)	0.007(b)	0.006(b)		0.005(b)	0.005(b)	0.005(b)		(c)	(c)	(c)		0.005(b)	0.007(b)	0.007(b)	
15:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, May 28, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	(c)	(c)	(c)	0.006(b)	(c)	(c)	(c)	0.005(b)	(c)	(c)	(c)	0.009(b)	(c)	(c)	(c)	0.006(b)
16:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
16:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
16:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.004**				**0.002**				**0.006**				**0.005**			
Sampler Start Time	6:50 AM				6:55 AM				7:08 AM				6:46 AM			
Sampler End Time	3:23 PM				3:29 PM				3:12 PM				3:19 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, May 28, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	70.0(b)	18.3(b)	61.0(b)	54.0(b)
7:00	72.8	24.6	90.2	54.4
7:30	77.2	18.3	66.7	58.5
8:00	86.1	22.2	52.6	73.9
8:30	83.8	24.2	52.8	61.8
9:00	74.7	21.6	53.8	54.0
9:30	61.2	19.5	46.4	45.8
10:00	64.8	14.2	30.8	52.7
10:30	43.8	15.6	30.9	36.2
11:00	39.8	14.0	26.3	31.1
11:30	36.7	10.7	22.1	35.4
12:00	38.7	10.8	27.3	33.5
12:30	39.4	10.1	32.9	31.3
13:00	34.4	8.9	41.4	27.3
13:30	38.2	14.2	30.2	33.1
14:00	41.9	14.2	36.8	33.2
14:30	34.1	9.8	28.7	26.6
15:00	28.6	8.6	28.9	22.1
15:30	30.1(b)	8.5	25.4(b)	24.7(b)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**52.3**	**15.1**	**40.9**	**41.6**
Sampler Start Time	6:13 AM	6:16 AM	6:23 AM	6:11 AM
Sampler End Time	15:24 PM	15:30 PM	15:16 PM	15:21 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, June 1, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 53.6 °F
Average wind speed: 7 meters/second
Predominant wind direction: South

5) Site Activity:
Start Time: 8:00 AM (Began applying cement at 6:30 am)
Stop Time: 4:30 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 1, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.000(b)	0.146(b)	0.016(b)	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.348(b)	0.034(b)
7:30	0.000	0.060	0.004	0.000(b)	0.053(b)	0.013(b)	0.009(b)	0.266(b)	0.124(b)	0.000	0.561	0.074
7:45	0.000	0.029	0.001	0.000	0.093	0.007	0.000	0.297	0.123	0.000	0.519	0.146
8:00	0.000	0.016	0.001	0.000	0.115	0.007	0.000	0.299	0.119	0.000	0.572	0.197
8:15	0.000	0.029	0.001	0.000	0.210	0.021	0.000	0.347	0.115	0.000	0.537	0.216
8:30	0.000	0.061	0.004	0.000	0.437	0.014	0.000	0.348	0.126	0.000	0.538	0.222
8:45	0.000	0.051	0.006	0.000	0.117	0.002	0.000	0.344	0.119	0.000	0.622	0.229
9:00	0.000	0.100	0.009	0.000	0.034	0.000	0.000	0.297	0.109	0.000	0.643	0.230
9:15	0.000	0.059	0.008	0.000	0.000	0.000	0.000	0.305	0.116	0.000	0.620	0.236
9:30	0.000	0.070	0.012	0.000	0.000	0.000	0.000	0.322	0.116	0.000	0.592	0.228
9:45	0.000	0.049	0.006	0.000	0.000	0.000	0.000	0.306	0.117	0.000	0.566	0.240
10:00	0.000	0.105	0.010	0.000	0.000	0.000	0.000	0.300	0.119	0.000	0.581	0.236
10:15	0.000	0.109	0.013	0.000	0.236	0.002	0.000	0.284	0.107	0.000	0.540	0.239
10:30	0.000	0.085	0.010	0.000	0.017	0.000	0.000	0.281	0.112	0.000	0.558	0.235
10:45	0.000	0.074	0.008	0.000	0.010	0.000	0.000	0.286	0.110	0.000	0.573	0.231
11:00	0.000	0.076	0.007	0.000	0.058	0.001	0.000	0.332	0.114	0.000	0.524	0.219
11:15	0.000	0.087	0.012	0.000	0.226	0.007	0.000	0.281	0.111	0.000	0.560	0.239
11:30	0.000	0.068	0.012	0.000	0.078	0.000	0.000	0.267	0.106	0.000	0.564	0.240
11:45	0.000	0.070	0.006	0.000	0.590	0.017	0.000	0.307	0.108	0.000	0.578	0.229
12:00	0.000	0.097	0.013	0.000	1.737	0.056	0.000	0.301	0.118	0.000	0.621	0.230
12:15	0.000	0.074	0.006	0.000	0.002	0.000	0.000	0.263	0.104	0.000	0.529	0.216
12:30	0.000	0.083	0.009	0.000	0.000	0.000	0.000	0.293	0.108	0.000	0.553	0.245
12:45	0.000	0.101	0.009	0.000	0.003	0.000	0.000	0.252	0.105	0.000	0.570	0.223
13:00	0.000	0.095	0.007	0.000	0.000	0.000	0.000	0.279	0.110	0.000	0.552	0.230
13:15	0.000	0.086	0.007	0.000	0.016	0.000	0.000	0.287	0.111	0.000	0.499	0.204
13:30	0.000	0.079	0.009	0.000	0.297	0.012	0.000	0.300	0.112	0.000	0.536	0.240
13:45	0.000	0.057	0.006	0.000	0.072	0.002	0.000	0.278	0.115	0.000	0.569	0.219
14:00	0.000	0.051	0.006	0.000	0.107	0.003	0.000	0.295	0.113	0.000	0.522	0.206
14:15	0.000	0.063	0.007	0.000	0.077	0.002	0.000	0.290	0.109	0.000	0.537	0.213
14:30	0.000	0.093	0.007	0.000	0.017	0.000	0.000	0.301	0.115	0.000	0.489	0.208
14:45	0.000	0.082	0.011	0.000	0.148	0.002	0.000	0.309	0.116	0.000	0.540	0.229

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 1, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.000	0.093	0.006	0.000	0.041	0.001	0.000	0.291	0.112	0.000	0.543	0.204
15:15	0.000	0.130	0.014	0.000	0.480	0.004	0.000	0.304	0.113	0.000	0.537	0.228
15:30	0.000	0.121	0.017	0.000	0.009	0.000	0.000	0.302	0.120	0.007(d)	0.514(d)	0.187(d)
15:45	0.000	1.110	0.014	0.000	0.029	0.000	0.000	0.300	0.107	0.000	0.564	0.239
16:00	0.000(d)	0.047(d)	0.005(d)	0.000	0.000	0.000	0.000	0.273	0.114	0.000	0.656	0.252
16:15	0.000(d)	0.118(d)	0.019(d)	0.000	0.086	0.001	0.000	0.275	0.103	0.000	0.610	0.273
16:30	0.000	0.121	0.013	0.000	0.000	0.000	0.001	0.318	0.115	0.000	0.622	0.270
16:45	0.000	0.028	0.002	0.000	0.000	0.000	0.000	0.243	0.100	0.000	0.579	0.267
17:00	0.000	0.050	0.002	0.000	0.000	0.000	0.000	0.280	0.124	0.000	0.622	0.301
17:15	0.000	0.025	0.001	0.000	0.000	0.000	0.000	0.249	0.100	0.001	0.680	0.330
17:30	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000	0.216	0.090	0.000(b)	0.595(b)	0.338(b)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	0.000(b)	0.199(b)	0.065(b)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.008**			**0.004**			**0.112**			**0.226**		
Sampler Start Time	7:13 AM			7:18 AM			7:29 AM			7:08 AM		
Sampler End Time	17:19 PM			17:24 PM			17:32 PM			17:17 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 1, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.005(b)	0.007(b)	0.006(b)		(a)	(a)	(a)		(a)	(a)	(a)		0.005(b)	0.006(b)	0.005(b)	
7:30	0.005(e)	0.008(e)	0.006(e)		0.004(b)	0.006(b)	0.005(b)		(a)	(a)	(a)		0.005	0.008	0.006	
7:45	(f)	(f)	(f)		0.005	0.009	0.007		0.005	0.008	0.006		0.006	0.020	0.011	
8:00	0.008(e)	0.011(e)	0.009(e)	0.007 (b)(e)	0.005	0.008	0.006	0.006(b)	0.007	0.008	0.007	0.007(b)	0.005	0.033	0.014	0.009(b)
8:15	0.007	0.010	0.008		0.006	0.007	0.006		0.007	0.008	0.007		0.005	0.019	0.009	
8:30	0.007	0.010	0.008		0.005	0.006	0.006		0.006	0.007	0.007		0.005	0.015	0.008	
8:45	0.007	0.011	0.008		0.005	0.006	0.006		0.006	0.008	0.007		0.005	0.017	0.007	
9:00	0.005	0.013	0.008	0.008	0.005	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.004	0.009	0.006	0.008
9:15	0.006	0.014	0.008		0.004	0.008	0.005		0.006	0.007	0.007		0.004	0.010	0.006	
9:30	0.005	0.011	0.007		0.004	0.009	0.006		0.006	0.007	0.007		0.004	0.015	0.007	
9:45	0.004	0.008	0.006		0.004	0.008	0.005		0.005	0.007	0.007		0.004	0.007	0.004	
10:00	0.004	0.006	0.005	0.006	0.004	0.007	0.005	0.005	0.005	0.007	0.006	0.007	0.002	0.012	0.005	0.005
10:15	0.003	0.008	0.005		0.004	0.005	0.004		0.005	0.007	0.006		0.002	0.015	0.005	
10:30	0.003	0.007	0.004		0.003	0.011	0.004		0.006	0.007	0.006		0.002	0.010	0.003	
10:45	0.002	0.007	0.004		0.004	0.012	0.005		0.004	0.007	0.006		0.002	0.007	0.003	
11:00	0.002	0.009	0.003	0.004	0.002	0.007	0.004	0.004	0.005	0.007	0.006	0.006	0.002	0.009	0.003	0.004
11:15	0.002	0.004	0.002		0.002	0.005	0.003		0.005	0.006	0.006		0.002	0.007	0.003	
11:30	0.002	0.006	0.003		0.002	0.005	0.003		0.005	0.006	0.006		0.001	0.006	0.003	
11:45	0.001	0.003	0.002		0.002	0.004	0.003		0.005	0.006	0.006		0.001	0.004	0.002	
12:00	0.000	0.003	0.002	0.002	0.001	0.002	0.002	0.003	0.005	0.007	0.006	0.006	0.000	0.004	0.001	0.002
12:15	0.000	0.002	0.001		0.001	0.003	0.002		0.003	0.007	0.005		0.000	0.003	0.001	
12:30	0.000	0.005	0.002		0.000	0.009	0.002		0.004	0.006	0.006		0.001	0.007	0.002	
12:45	0.001	0.007	0.002		0.000	0.004	0.000		0.005	0.006	0.006		0.001	0.009	0.003	
13:00	0.000	0.004	0.001	0.002	0.000	0.002	0.000	0.001	0.004	0.007	0.006	0.006	0.000	0.008	0.002	0.002
13:15	0.001	0.004	0.002		0.000	0.000	0.000		0.004	0.007	0.006		0.002	0.004	0.003	
13:30	0.000	0.004	0.002		0.000	0.009	0.001		0.005	0.007	0.006		0.001	0.007	0.003	
13:45	0.000	0.005	0.002		0.000	0.000	0.000		0.005	0.007	0.006		0.001	0.002	0.002	
14:00	0.001	0.007	0.003	0.002	0.000	0.000	0.000	0.000	0.003	0.006	0.005	0.006	0.001	0.003	0.002	0.002
14:15	0.002	0.005	0.003		0.000	0.001	0.000		0.004	0.006	0.005		0.002	0.017	0.004	
14:30	0.001	0.010	0.003		0.000	0.002	0.000		0.003	0.006	0.005		0.001	0.009	0.003	
14:45	0.002	0.021	0.004		0.000	0.004	0.001		0.004	0.006	0.005		0.001	0.032	0.005	
15:00	0.001	0.011	0.003	0.003	0.000	0.005	0.001	0.001	0.004	0.006	0.005	0.005	0.001	0.012	0.003	0.004
15:15	0.002	0.013	0.006		0.000	0.004	0.001		0.003	0.005	0.004		0.001	0.037	0.006	
15:30	0.001	0.022	0.007		0.000	0.007	0.002		0.004	0.006	0.005		0.001	0.022	0.006	
15:45	0.000	0.002	0.001		0.000	0.000	0.000		0.004	0.005	0.004		0.000	0.005	0.002	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 1, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.000	0.004	0.002	0.004	0.000	0.000	0.000	0.001	0.003	0.005	0.004	0.004	0.000	0.011	0.003	0.004
16:15	0.000	0.002	0.001		0.000	0.009	0.001		0.003	0.005	0.004		0.000	0.002	0.001	
16:30	0.000	0.001	0.000		0.000	0.000	0.000		0.003	0.005	0.004		0.000	0.000	0.000	
16:45	0.000	0.000	0.000		0.000	0.000	0.000		0.003	0.004	0.004		0.000	0.000	0.000	
17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.006	0.004	0.004	0.000	0.000	0.000	0.000
17:15	0.000	0.002	0.001		0.000	0.000	0.000		0.002	0.004	0.003		0.000	0.000	0.000	
17:30	0.000(b)	0.001(b)	0.000(b)		0.000(b)	0.000(b)	0.000(b)		0.003(b)	0.0004(b)	0.003(b)		0.000(b)	0.000(b)	0.000(b)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	0.001(b)	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.003(b)	(c)	(c)	(c)	0.000(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.004**				**0.002**				**0.005**				**0.004**			
Sampler Start Time	7:14 AM				7:19 AM				7:31 AM				7:09 AM			
Sampler End Time	5:20 PM				5:23 PM				5:29 PM				5:18 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 1, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	3.4(b)	1.5(b)	(a)	2.1(b)
7:00	15.6	0.4	21.8	14.3
7:30	16.0	1.1	2.5	12.7
8:00	13.4	1.5	3.4	8.7
8:30	9.3	3.2	5.4	17.8
9:00	16.8	5.0	7.7	18.7
9:30	25.6	6.9	8.6	27.6
10:00	19.9	7.1	8.4	22.0
10:30	21.5	5.8	7.9	20.1
11:00	15.1	6.0	8.0	14.0
11:30	13.6	7.2	8.2	20.1
12:00	13.9	7.8	9.0	16.3
12:30	16.8	7.9	9.8	17.7
13:00	22.3	9.3	10.1	21.4
13:30	15.2	8.5	10.8	16.5
14:00	16.0	9.0	10.5	14.3
14:30	22.2	9.5	11.4	22.9
15:00	21.0	8.7	12.4	19.7
15:30	23.6	10.4	13.5	20.4
16:00	21.0	13.1	13.7	19.8
16:30	21.9	10.3	13.1	19.6
17:00	20.0	10.3	16.1	18.4
17:30	27.6(b)	8.2(b)	17.4	23.7(b)
18:00	(c)	(c)	12.8(b)	(c)
Daily Average	**18.3**	**7.1**	**10.4**	**18.1**
Sampler Start Time	6:23 AM	6:26 AM	6:31 AM	6:20 AM
Sampler End Time	17:21 PM	17:25 PM	17:33 PM	17:18 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, June 2, 2004**

1) Exceedances:
There were two exceedances of the Particulate Matter Action Limit at Station 3, DR3, for the 3:01 - 3:30 pm, and 3:31 - 4:00 pm averaging periods. The 30 minute TWA for the 3:01 - 3:30 period at DR1, a downwind monitor, was 149.2 ug/m3. The upwind monitor 30 minute TWA for this same period was 17.0 ug/m3. This represents a difference of 132.2 ug/m3, which exceeds the 30 minute TWA Action Limit (downwind monitor greater than 52 ug/m3 above upwind monitor). For the period of 3:31-4:00 pm at DR3, the average was 77.7 ug/m3. The upwind monitor 30 minute TWA for the same period was 14.9 ug/m3. This represents a difference of 62.8 ug/m3, which also exceeds the Action Limit. Both exceedances were related to dust escaping from the hood. Dust suppression methods were in place. The operation was shut down until the situation was remedied.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 65 °F
Average wind speed: 4 meters/second
Predominant wind direction: North, see note below.

5) Site Activity:
Start Time: 8:00 AM (Began applying cement at 6:30 am)
Stop Time: 5:00 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
Morning observations and NOAA forecast for the day predicted the wind would be from the south, so the monitors were set up with Station 3 being the upwind station. However, the wind varied through the day and the predominant wind direction ended up coming from the north, resulting in Station 1 being the predominant upwind location. Field data sheets reflect the predicted wind direction (south), while this report reflects the actual predominant wind direction (north).

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 2, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind (e)			Downwind			Downwind (e)			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.000(b)	0.034(b)	0.004(b)	(a)	(a)	(a)	(a)	(a)	(a)	0.042(b)	0.258(b)	0.085(b)
7:00	0.000	0.049	0.002	0.075(b)	0.385(b)	0.277(b)	0.063(b)	0.639(b)	0.295(b)	0.087	0.207	0.131
7:15	0.000	0.003	0.000	0.000	0.428	0.013	0.000	0.990	0.221	0.121	0.218	0.168
7:30	0.000	0.009	0.000	0.000	0.013	0.000	0.000	0.315	0.119	0.174	0.323	0.235
7:45	0.000	0.016	0.000	0.000	1.220	0.013	0.000	0.401	0.107	0.240	1.052	0.322
8:00	0.000	0.056	0.003	0.000	0.000	0.000	0.000	0.251	0.070	0.193	0.827	0.313
8:15	0.000	0.128	0.002	0.000	0.096	0.001	0.000	0.314	0.100	0.235	0.874	0.382
8:30	0.000	0.131	0.014	0.000	0.000	0.000	0.000	0.322	0.111	0.157	0.760	0.358
8:45	0.000	0.106	0.005	0.000	0.000	0.000	0.000	0.314	0.107	0.153	0.691	0.290
9:00	0.000	0.091	0.009	0.000	0.000	0.000	0.000	0.300	0.101	0.198	0.717	0.343
9:15	0.000	0.082	0.004	0.000	0.000	0.000	0.000	0.516	0.088	0.215	0.761	0.449
9:30	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.423	0.170	0.216	0.646	0.496
9:45	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.994	0.215	0.299	0.472	0.384
10:00	0.000	0.055	0.001	0.000	0.000	0.000	0.000	1.065	0.164	0.125	0.832	0.398
10:15	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.550	0.204	0.119	0.706	0.325
10:30	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.368	0.134	0.187	0.446	0.311
10:45	0.000	0.005	0.000	0.000	0.041	0.000	0.000	0.453	0.172	0.163	0.314	0.231
11:00	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.853	0.190	0.143	0.267	0.207
11:15	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.531	0.172	0.146	0.239	0.188
11:30	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.472	0.177	0.131	0.215	0.173
11:45	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.647	0.193	0.114	0.193	0.162
12:00	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.891	0.234	0.108	0.195	0.148
12:15	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.755	0.236	0.112	0.197	0.151
12:30	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.733	0.213	0.077	0.142	0.113
12:45	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.835	0.218	0.077	0.140	0.111
13:00	0.000	0.002	0.000	0.000	0.000	0.000	0.001	0.728	0.219	0.100	0.181	0.134
13:15	0.000	0.004	0.000	0.000	0.002	0.000	0.000	0.654	0.224	0.097	0.198	0.142
13:30	0.000	0.003	0.000	0.000	0.000	0.000	0.000	1.122	0.181	0.069	0.184	0.133
13:45	0.000	0.047	0.001	0.000	0.000	0.000	0.000	0.552	0.166	0.078	0.213	0.147
14:00	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.921	0.222	0.098	0.211	0.148
14:15	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.914	0.284	0.123	0.216	0.161
14:30	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.648	0.166	0.078	0.190	0.121
14:45	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.968	0.255	0.070	0.160	0.116
15:00	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.727	0.150	0.070	0.222	0.120

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 2, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind (e)			Downwind			Downwind (e)			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:15	0.000	0.005	0.000	0.000	0.000	0.000	0.000	1.023	0.149	0.077	0.167	0.115
15:30	0.000	0.005	0.000	0.000	0.007	0.000	0.000	1.180	0.308	0.061	0.179	0.108
15:45	0.000	0.003	0.000	0.000	0.000	0.000	0.000	1.703	0.272	0.046	0.132	0.089
16:00	0.000	0.004	0.000	0.000	0.000	0.000	0.000	1.370	0.339	0.040	0.118	0.077
16:15	0.000	0.004	0.000	0.000	0.000	0.000	0.000	1.532	0.224	0.033	0.094	0.064
16:30	0.000	0.002	0.000	0.000	0.000	0.000	0.000	1.186	0.272	0.041(d)	0.117(d)	0.076(d)
16:45	0.000	0.001	0.000	0.000	0.000	0.000	0.000	2.360	0.366	0.043	0.117	0.077
17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.714	0.235	0.003	0.134	0.066
17:15	0.000	0.003	0.000	0.000	0.000	0.000	0.000	2.050	0.293	0.008	0.091	0.048
17:30	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.766	0.222	0.004(b)	0.112(b)	0.045(b)
17:45	(c)	(c)	(c)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.599(b)	0.186(b)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.001**			**0.007**			**0.197**			**0.194**		
Sampler Start Time	6:39 AM			6:47 AM			7:00 AM			6:32 AM		
Sampler End Time	17:30 PM			17:32 PM			17:41 PM			17:27 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) Morning observations and NOAA forecast for the day predicted the wind would be from the south, so the monitors were set up with Station 3 being the upwind station. However, the wind varied through the day and the predominant wind direction ended up coming from the north, resulting in Station 1 being the predominant upwind location. Field data sheets reflect the predicted wind direction (south), while this report reflects the actual predominant wind direction (north).

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 2, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind (g)				Downwind				Downwind (g)				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	0.002(b)	0.003(b)	0.003(b)		(a)	(a)	(a)		(a)	(a)	(a)		0.002(b)	0.005(b)	0.004(b)	
7:00	0.003	0.004	0.003	0.003(b)	0.002(b)	0.003(b)	0.002(b)	0.002(b)	0.005(b)	0.005(b)	0.005(b)	0.005(b)_	0.003	0.004	0.004	0.004(b)
7:15	0.001	0.005	0.004		0.002	0.003	0.002		0.000	0.005	0.002		0.002	0.004	0.003	
7:30	0.002	0.005	0.004		0.000	0.004	0.003		0.002	0.006	0.003		0.003	0.009	0.004	
7:45	0.002	0.018	0.004		0.000	0.002	0.002		0.002	0.018	0.006		0.002	0.005	0.003	
8:00	0.001	0.013	0.006	0.004	0.000	0.006	0.002	0.002	0.000	0.006	0.004	0.004	0.002	0.018	0.007	0.004
8:15	0.004	0.010	0.006		0.002	0.004	0.004		0.003	0.008	0.005		0.005	0.008	0.007	
8:30	0.002	0.005	0.004		0.001	0.004	0.002		0.002	0.009	0.004		0.004	0.009	0.006	
8:45	0.001	0.014	0.005		0.000	0.004	0.002		0.003	0.007	0.005		0.005	0.024	0.008	
9:00	0.002	0.015	0.008	0.006	0.000	0.004	0.003	0.003	0.003	0.006	0.004	0.005	0.004	0.025	0.009	0.008
9:15	0.002	0.005	0.003		0.000	0.003	0.002		0.001	0.011	0.005		0.003	0.006	0.004	
9:30	0.001	0.005	0.004		0.000	0.002	0.002		0.003	0.011	0.007		0.002	0.005	0.004	
9:45	0.003	0.006	0.004		0.001	0.003	0.002		0.001	0.009	0.006		0.004	0.014	0.005	
10:00	0.002	0.010	0.004	0.004	0.002	0.003	0.002	0.002	0.003	0.009	0.006	0.006	0.003	0.011	0.005	0.005
10:15	0.002	0.005	0.004		0.001	0.003	0.002		0.005	0.011	0.007		0.004	0.007	0.005	
10:30	0.003	0.005	0.004		0.000	0.003	0.002		0.002	0.009	0.006		0.004	0.007	0.005	
10:45	0.003	0.006	0.005		0.000	0.003	0.002		0.004	0.010	0.008		0.003	0.005	0.004	
11:00	0.004	0.006	0.004	0.004	0.002	0.004	0.003	0.002	0.006	0.018	0.008	0.007	0.004	0.005	0.004	0.005
11:15	0.005	0.005	0.005		0.002	0.004	0.003		0.000	0.011	0.007		0.004	0.005	0.004	
11:30	0.005	0.005	0.005		0.000	0.003	0.002		0.003	0.009	0.007		0.004	0.005	0.005	
11:45	0.005	0.006	0.005		0.002	0.004	0.004		0.007	0.010	0.008		0.004	0.005	0.005	
12:00	0.004	0.005	0.005	0.005	0.000	0.004	0.003	0.003	0.007	0.043	0.011	0.008	0.004	0.006	0.005	0.005
12:15	0.004	0.006	0.005		0.000	0.004	0.002		0.007	0.010	0.008		0.004	0.007	0.005	
12:30	0.005	0.007	0.006		0.003	0.005	0.004		0.007	0.016	0.009		0.005	0.006	0.005	
12:45	0.005	0.007	0.006		0.004	0.005	0.004		0.008	0.013	0.010		0.005	0.006	0.005	
13:00	0.005	0.006	0.005	0.006	0.003	0.004	0.004	0.004	0.008	0.013	0.010	0.009	0.004	0.006	0.005	0.005
13:15	0.005	0.006	0.006		0.003	0.005	0.004		0.007	0.012	0.009		0.005	0.006	0.005	
13:30	0.005	0.007	0.006		0.002	0.005	0.004		0.007	0.013	0.009		0.005	0.008	0.006	
13:45	0.005	0.007	0.006		0.003	0.005	0.004		0.008	0.015	0.009		0.005	0.027	0.007	
14:00	0.005	0.006	0.005	0.006	0.003	0.005	0.004	0.004	0.007	0.011	0.009	0.009	0.004	0.008	0.005	0.006
14:15	0.004	0.006	0.005		0.003	0.004	0.004		0.008	0.019	0.011		0.004	0.005	0.004	
14:30	0.005	0.007	0.006		0.003	0.004	0.004		0.006	0.011	0.008		0.004	0.008	0.005	
14:45	0.005	0.007	0.005		0.003	0.004	0.004		0.008	0.018	0.010		0.004	0.005	0.005	
15:00	0.005	0.006	0.005	0.005	0.003	0.005	0.004	0.004	0.005	0.042	0.010	0.010	0.005	0.011	0.006	0.005
15:15	0.005	0.006	0.005		0.003	0.005	0.004		0.007	0.009	0.008		0.004	0.010	0.006	
15:30	0.005	0.006	0.005		0.003	0.004	0.004		0.008	0.051	0.012		0.004	0.006	0.005	
15:45	0.005	0.007	0.006		0.002	0.004	0.004		0.007	0.020	0.010		0.005	0.007	0.005	
16:00	0.005	0.006	0.006	0.005	0.002	0.004	0.003	0.004	0.008	0.021	0.011	0.010	0.005	0.007	0.005	0.005

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 2, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind (g)				Downwind				Downwind (g)				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				**ppm**				**ppm**				**ppm**			
16:15	0.005	0.007	0.006		0.002	0.004	0.004		0.008	0.015	0.008		0.005	0.008	0.005	
16:30	0.005	0.007	0.006		0.002	0.005	0.004		0.007	0.046	0.015		0.005	0.008	0.005	
16:45	0.005	0.007	0.006		0.002	0.004	0.003		0.007	0.014	0.008		0.004	0.006	0.005	
17:00	0.004	0.006	0.005	0.006	0.003	0.004	0.004	0.004	0.005	0.008	0.007	0.010	0.004	0.010	0.005	0.005
17:15	0.005	0.007	0.005		0.003	0.005	0.005		0.008	0.008	0.008		0.005	0.006	0.005	
17:30	0.005	0.006	0.005		0.003	0.005	0.004		0.007	0.008	0.008		0.005(b)	0.014(b)	0.006(b)	
17:45	0.005(b)	0.005(b)	0.005(b)		0.003(b)	0.005(b)	0.004(b)		0.007(b)	0.008(b)	0.008(b)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	0.005(b)	(c)	(c)	(c)	0.004(b)	(c)	(c)	(c)	0.008(b)	(c)	(c)	(c)	0.005(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.005**				**0.003**				**0.008**				**0.005**			
Sampler Start Time	6:41 AM				6:48 AM				7:00 AM				6:35 AM			
Sampler End Time	5:31 PM				5:32 PM				5:39 PM				5:29 PM			

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

1-hour TWA is calculated as an average of the 1-minute logged data within the hour

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

(g) Morning observations and NOAA forecast for the day predicted the wind would be from the south, so the monitors were set up with Station 3 being the upwind station. However, the wind varied through the day and the predominant wind direction ended up coming from the north, resulting in Station 1 being the predominant upwind location. Field data sheets reflect the predicted wind direction (south), while this report reflects the actual predominant wind direction (north).

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 2, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind (f)	**Downwind**	**Downwind (f)**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	25.6(b)	8.9(b)	16.6(b)	16.6(b)
7:00	30.9	11.1	20.2	23.4
7:30	27.1	13.5	36.8	24.6
8:00	28.1	11.6	21.1	21.6
8:30	17.6	5.5	11.1	22.0
9:00	15.2	5.4	9.2	13.5
9:30	11.9	4.7	12.8	9.9
10:00	10.8	3.8	13.1	8.6
10:30	8.4	3.0	9.0	6.8
11:00	9.1	1.4	9.9	5.6
11:30	10.2	1.3	10.3	5.8
12:00	10.5	1.9	14.9	6.9
12:30	10.9	3.0	14.3	6.0
13:00	13.8	3.3	31.8	6.9
13:30	15.2	2.7	33.7	8.7
14:00	16.9	4.0	39.4	13.4
14:30	14.9	2.6	42.7	8.8
15:00	17.6	2.8	20.7	14.3
15:30	17.0	3.1	**149.2(e)**	9.7
16:00	14.9	2.0	**77.7(e)**	7.1
16:30	13.8	1.3	26.1	6.2
17:00	13.6	2.9	13.5	6.2
17:30	13.2	2.1	10.9	6.9
18:00	12.5(b)	2.3(b)	9.5(b)	(c)
Daily Average	**15.8**	**4.3**	**28.0**	**11.2**
Sampler Start Time	6:09 AM	6:13 AM	6:22 AM	6:07 AM
Sampler End Time	17:31 PM	17:34 PM	17:43 PM	17:30 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to dust escaping from the hood. Operation was shut down until problem was fixed.

(f) Morning observations and NOAA forecast for the day predicted the wind would be from the south, so the monitors were set up with Station 3 being the upwind station. However, the wind varied through the day and the predominant wind direction ended up coming from the north, resulting in Station 1 being the predominant upwind location. Field data sheets reflect the predicted wind direction (south), while this report reflects the actual predominant wind direction (north).

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, June 3, 2004**

1) Exceedances:
There was an exceedance of the Particulate Matter Action Limit during the 11:31-12:00 pm averaging period at DR3. The 30 minute TWA for this period at DR3, a downwind monitor, was 61.6 ug/m3. The upwind monitor 30 minute TWA for this same period was 4.9 ug/m3. This represents a difference of 56.7 ug/m3, which exceeds the Action Limit (downwind monitor greater than 52 ug/m3 above upwind monitor). The cause of this exceedance was due to blowing cement in close proximity to the monitor.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 63 °F
Average wind speed: 3 meters/second
Predominant wind direction: North

5) Site Activity:
Start Time: 7:45 AM (Began applying cement at 6:30 am)
Stop Time: 4:30 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 3, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.000	0.073	0.012	0.000(b)	0.049(b)	0.005(b)	(a)	(a)	(a)	(a)	(a)	(a)
7:30	0.000	0.044	0.008	0.000	0.033	0.001	0.000(b)	0.398(b)	0.155(b)	0.000(b)	0.333(b)	0.054(b)
7:45	0.000	0.049	0.007	0.000	0.201	0.025	0.000	0.337	0.129	0.000	0.326	0.090
8:00	0.000	0.037	0.006	0.000	0.238	0.023	0.000	0.330	0.115	0.000	0.421	0.146
8:15	0.000	0.050	0.008	0.000	0.208	0.015	0.000	1.113	0.151	0.015	0.498	0.244
8:30	0.000	0.046	0.010	0.000	0.158	0.025	0.000	0.503	0.137	0.000	0.490	0.248
8:45	0.000	0.041	0.007	0.000	0.279	0.014	0.000	0.672	0.163	0.008	0.504	0.230
9:00	0.000	0.038	0.007	0.000	0.242	0.032	0.000	0.936	0.220	0.025	0.426	0.184
9:15	0.000	0.048	0.007	0.000	0.308	0.023	0.000	1.095	0.309	0.000	0.445	0.180
9:30	0.000	0.036	0.008	0.000	0.255	0.011	0.000	1.395	0.280	0.000	0.500	0.195
9:45	0.000	0.040	0.009	0.000	0.089	0.008	0.000	1.631	0.363	0.019	0.465	0.185
10:00	0.000	0.055	0.009	0.000	0.037	0.001	0.000	1.768	0.352	0.000	0.407	0.161
10:15	0.000	0.054	0.011	0.000	0.052	0.002	0.000	0.801	0.165	0.000	0.446	0.153
10:30	0.000	0.035	0.009	0.000	0.034	0.003	0.038	1.713	0.524	0.000	0.383	0.138
10:45	0.000	0.041	0.010	0.000	0.171	0.010	0.000	1.883	0.481	0.000	0.371	0.129
11:00	0.000	0.053	0.013	0.000	0.305	0.017	0.000	2.441	0.581	0.001	0.432	0.144
11:15	0.000	0.037	0.012	0.000	0.604	0.048	0.004	1.926	0.466	0.007	0.557	0.165
11:30	0.000	0.089	0.013	0.000	0.600	0.078	0.000	1.673	0.471	0.000	0.440	0.146
11:45	0.000	0.143	0.021	0.000	0.281	0.025	0.000	2.429	0.498	0.025	0.550	0.183
12:00	0.000	0.082	0.021	0.000	0.862	0.032	0.003	2.359	0.582	0.003	0.509	0.159
12:15	0.000	0.067	0.019	0.000	0.143	0.018	0.000	2.581	0.454	0.000	0.454	0.133
12:30	0.000	0.059	0.017	0.000	0.347	0.030	0.000	2.098	0.458	0.020	0.480	0.154
12:45	0.000	0.089	0.019	0.000	0.407	0.028	0.000	1.486	0.247	0.000	0.614	0.159
13:00	0.000	0.080	0.022	0.000	0.530	0.035	0.004	1.551	0.289	0.011	0.416	0.131
13:15	0.000	0.091	0.019	0.000	0.439	0.039	0.002	1.966	0.404	0.009	0.487	0.152
13:30	0.000	0.256	0.030	0.000	0.579	0.048	0.000	1.356	0.272	0.000	0.529	0.155
13:45	0.000	0.087	0.021	0.000	0.574	0.075	0.014	2.599	0.449	0.011	0.462	0.164
14:00	0.000	0.065	0.016	0.000	0.127	0.029	0.000	1.872	0.297	0.022	0.450	0.172
14:15	0.000	0.091	0.024	0.000	0.183	0.006	0.000	1.955	0.276	0.003	0.383	0.141
14:30	0.000	0.104	0.020	0.000	0.112	0.003	0.000	0.550	0.142	0.002	0.407	0.148

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 3, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
14:45	0.000	0.111	0.040	0.000	0.568	0.015	0.000	0.458	0.151	0.000	0.377	0.153
15:00	0.000	0.085	0.016	0.000	0.150	0.010	0.000	0.545	0.179	0.000	0.374	0.155
15:15	0.000	0.115	0.031	0.000	0.081	0.002	0.000	1.233	0.243	0.000	0.414	0.151
15:30	0.000	0.120	0.022	0.000	0.091	0.003	0.000	2.113	0.194	0.000(d)	0.431(d)	0.157(d)
15:45	0.000	0.107	0.024	0.000	0.154	0.005	0.000	0.773	0.193	0.000	0.382	0.083
16:00	0.000	0.070	0.010	0.000	0.565	0.101	0.014	2.922	0.519	0.007	0.400	0.096
16:15	0.000	0.082	0.010	0.000	0.351	0.045	0.000	1.952	0.413	0.000	0.347	0.093
16:30	0.000	0.057	0.011	0.000	0.631	0.049	0.002	1.328	0.304	0.000	0.381	0.096
16:45	0.000	0.077	0.009	0.000	0.104	0.018	0.000	1.642	0.308	0.000	0.347	0.103
17:00	0.000	0.049	0.009	0.000	0.115	0.016	0.000	0.993	0.234	0.018	0.463	0.133
17:15	0.000(b)	0.037(b)	0.006(b)	0.000(b)	0.188(b)	0.050(b)	0.005(b)	0.548(b)	0.220(b)	0.000(b)	0.330(b)	0.128(b)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.015**			**0.025**			**0.312**			**0.151**		
Sampler Start Time	7:01 AM			7:10 AM			7:19 AM			7:22 AM		
Sampler End Time	17:07 PM			17:03 PM			17:08 PM			17:09 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 3, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.000	0.001	0.000		0.000(b)	0.001(b)	0.000(b)		(a)	(a)	(a)		(a)	(a)	(a)	
7:30	0.000	0.002	0.001		0.000	0.002	0.001		0.00(b)	0.005(b)	0.003(b)		0.000(b)	0.001(b)	0.001(b)	
7:45	0.001(e)	0.003(e)	0.002(e)		0.001	0.008	0.003		0.004	0.006	0.005		0.000	0.001	0.001	
8:00	(f)	(f)	(f)	0.001(b)(e)	0.001	0.011	0.003	0.001(b)	0.003	0.007	0.005	0.004(b)	0.000	0.002	0.001	0.001(b)
8:15	0.001(e)	0.010(e)	0.003(e)		0.001	0.004	0.002		0.003	0.022	0.007		0.001	0.006	0.002	
8:30	0.002	0.003	0.003		0.002	0.010	0.003		0.004	0.030	0.008		0.002	0.003	0.003	
8:45	0.003	0.004	0.003		0.001	0.004	0.002		0.005	0.013	0.007		0.002	0.007	0.003	
9:00	0.003	0.006	0.004	0.003(e)	0.000	0.003	0.001	0.002	0.005	0.013	0.008	0.007	0.003	0.017	0.005	0.003
9:15	0.003	0.005	0.004		0.000	0.002	0.002		0.006	0.007	0.007		0.004	0.037	0.007	
9:30	0.003	0.005	0.004		0.001	0.004	0.002		0.006	0.040	0.014		0.005	0.012	0.007	
9:45	0.004	0.005	0.004		0.001	0.004	0.003		0.007	0.038	0.013		0.004	0.012	0.006	
10:00	0.004	0.005	0.004	0.004	0.000	0.007	0.002	0.002	0.008	0.027	0.013	0.012	0.005	0.009	0.006	0.007
10:15	0.004	0.005	0.005		0.002	0.004	0.003		0.008	0.028	0.012		0.005	0.012	0.008	
10:30	0.005	0.006	0.005		0.001	0.006	0.003		0.011	0.038	0.020		0.004	0.009	0.007	
10:45	0.005	0.006	0.005		0.001	0.004	0.004		0.012	0.032	0.017		0.004	0.011	0.007	
11:00	0.005	0.006	0.006	0.005	0.002	0.004	0.004	0.003	0.015	0.027	0.019	0.017	0.004	0.007	0.005	0.007
11:15	0.005	0.006	0.005		0.003	0.005	0.004		0.015	0.023	0.017		0.004	0.008	0.005	
11:30	0.005	0.006	0.005		0.003	0.004	0.004		0.015	0.021	0.017		0.004	0.078	0.011	
11:45	0.005	0.008	0.006		0.004	0.004	0.004		0.013	0.134	0.033		0.004	0.042	0.013	
12:00	0.005	0.007	0.006	0.006	0.002	0.004	0.004	0.004	0.013	0.250	0.060	0.032	0.004	0.028	0.008	0.009
12:15	0.006	0.007	0.006		0.002	0.004	0.004		0.013	0.076	0.022		0.003	0.039	0.009	
12:30	0.006	0.007	0.006		0.002	0.005	0.004		0.011	0.048	0.021		0.003	0.022	0.006	
12:45	0.006	0.007	0.007		0.002	0.005	0.004		0.010	0.140	0.024		0.004	0.007	0.005	
13:00	0.005	0.007	0.007	0.007	0.003	0.005	0.004	0.004	0.009	0.066	0.020	0.022	0.002	0.006	0.004	0.006
13:15	0.006	0.007	0.007		0.002	0.004	0.004		0.009	0.097	0.018		0.002	0.007	0.004	
13:30	0.005	0.009	0.007		0.003	0.004	0.004		0.008	0.014	0.010		0.002	0.045	0.006	
13:45	0.006	0.007	0.007		0.002	0.004	0.003		0.009	0.011	0.010		0.002	0.010	0.005	
14:00	0.005	0.006	0.005	0.006	0.001	0.003	0.002	0.003	0.007	0.013	0.009	0.012	0.000	0.004	0.002	0.004
14:15	0.005	0.006	0.005		0.000	0.002	0.001		0.006	0.011	0.007		0.000	0.012	0.003	
14:30	0.004	0.005	0.005		0.000	0.002	0.000		0.003	0.007	0.006		0.000	0.006	0.002	
14:45	0.004	0.008	0.005		0.000	0.002	0.001		0.004	0.018	0.007		0.000	0.003	0.002	
15:00	0.004	0.005	0.005	0.005	0.000	0.004	0.002	0.001	0.005	0.014	0.008	0.007	0.002	0.003	0.002	0.002
15:15	0.002	0.005	0.005		0.000	0.002	0.000		0.003	0.014	0.005		0.001	0.005	0.002	
15:30	0.005	0.006	0.005		0.000	0.003	0.002		0.004	0.019	0.007		0.002	0.018	0.005	
15:45	0.005	0.006	0.006		0.001	0.004	0.003		0.005	0.020	0.007		0.001	0.004	0.002	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 3, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.005	0.007	0.006	0.005	0.002	0.004	0.002	0.002	0.005	0.035	0.011	0.007	0.001	0.008	0.002	0.003
16:15	0.005	0.007	0.006		0.002	0.004	0.003		0.006	0.011	0.007		0.000	0.003	0.000	
16:30	0.005	0.006	0.005		0.000	0.004	0.002		0.007	0.010	0.008		0.000	0.001	0.001	
16:45	0.005	0.006	0.005		0.000	0.002	0.001		0.006	0.010	0.007		0.000	0.001	0.000	
17:00	0.005	0.005	0.005	0.005	0.000	0.002	0.002	0.002	0.006	0.008	0.007	0.007	0.000	0.000	0.000	0.000
17:15	0.005(b)	0.005(b)	0.005(b)		0.001(b)	0.002(b)	0.002(b)		0.006(b)	0.006(b)	0.006(b)		0.000(b)	0.000(b)	0.000(b)	
17:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	0.005(b)	(c)	(c)	(c)	0.002(b)	(c)	(c)	(c)	0.006(b)	(c)	(c)	(c)	0.000(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.005**				**0.002**				**0.013**				**0.004**			
Sampler Start Time	7:01 AM				7:11 AM				7:17 AM				7:22 AM			
Sampler End Time	5:07 PM				5:02 PM				5:04 PM				5:10 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 3, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	17.5(b)	1.2(b)	5.8(b)	20.0
7:00	15.2	3.5	4.2	11.7
7:30	9.2	2.6	7.3	13.9
8:00	9.3	2.6	8.4	8.3
8:30	7.1	2.4	20.0	7.8
9:00	5.3	2.8	7.7	6.1
9:30	5.1	1.8	9.3	8.3
10:00	4.6	1.5	24.5	8.3
10:30	4.8	0.6	14.8	7.7
11:00	4.8	0.8	10.1	10.3
11:30	5.0	0.7	14.7	17.9
12:00	4.9	0.6	**61.6(e)**	48.5
12:30	4.9	0.7	23.6	9.2
13:00	5.4	0.7	6.8	7.3
13:30	9.6	0.8	7.9	15.9
14:00	9.4	0.9	34.6	25.2
14:30	9.2	1.4	38.6	8.9
15:00	10.5	0.9	7.2	5.2
15:30	8.7	0.0	7.1	6.6
16:00	7.6	0.1	8.1	6.9
16:30	9.1	0.4	9.2	6.4
17:00	10.8	0.3	10.1	7.6
17:30	8.3(b)	0.1(b)	7.4(b)	4.3(b)
18:00	(c)	(c)	(c)	(c)
Daily Average	**7.9**	**1.2**	**15.8**	**11.9**
Sampler Start Time	6:14 AM	6:16 AM	6:24 AM	6:12 AM
Sampler End Time	17:08 PM	17:04 PM	17:09 PM	17:10 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to cement blowing.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, June 4, 2004**

1) Exceedances:
There were six exceedances of the Particulate Matter Action Limit at Station 4, DR4. They were as follows:

Time Period	Downwind TWA (ug/m3)	Upwind TWA (ug/m3)	Difference (ug/m3)
6:00 - 6:30	159.5	10.9	148.6
6:31 - 7:00	83.5	12.6	70.9
7:01 - 7:30	139.0	17.7	121.3
7:31 - 8:00	171.8	30.4	141.4
8:01 - 8:30	88.9	18.2	70.7
8:31 - 9:00	83.4	7.0	76.4

These exceedances are due to ground level fog at the site in the morning. The particulate monitors at Station 4 were DR2000s, which are not capable of correcting for relative humidity.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 61 °F
Average wind speed: 2.75 meters/second
Predominant wind direction: North

5) Site Activity:
Start Time: 7:45 AM (Began applying cement at 6:30 am)
Stop Time: 4:30 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, June 4, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.336(b)	0.044(b)
7:00	(a)	(a)	(a)	0.000(b)	0.003(b)	0.000(b)	(a)	(a)	(a)	0.000	0.406	0.117
7:15	0.000(b)	0.077(b)	0.009(b)	0.000	0.039	0.005	0.000(b)	0.767(b)	0.206(b)	0.000	0.465	0.165
7:30	0.000	0.044	0.008	0.036	0.407	0.188	0.000	0.403	0.150	0.000	0.436	0.173
7:45	0.000	0.026	0.005	0.353	1.276	0.796	0.000	0.393	0.148	0.003	0.412	0.178
8:00	0.000	0.016	0.001	0.000	2.314	1.214	0.000	0.385	0.135	0.074	0.623	0.321
8:15	0.000	0.028	0.001	0.000	0.313	0.007	0.002	0.392	0.148	0.209	0.836	0.549
8:30	0.000	0.038	0.002	0.000	0.192	0.022	0.000	0.687	0.177	0.368	1.358	0.790
8:45	0.000	0.034	0.003	0.000	0.193	0.020	0.000	2.940	0.228	0.601	1.270	0.927
9:00	0.000	0.037	0.005	0.000	0.043	0.002	0.010	1.546	0.320	0.690	1.529	1.082
9:15	0.000	0.055	0.011	0.000	0.278	0.032	0.021	2.426	0.549	0.191	1.451	0.678
9:30	0.000	0.075	0.011	0.000	0.443	0.053	0.008	1.163	0.260	0.011	0.690	0.322
9:45	0.000	0.067	0.011	0.000	0.801	0.076	0.007	0.702	0.241	0.007	0.669	0.277
10:00	0.000	0.062	0.011	0.000	0.289	0.053	0.001	0.845	0.292	0.000	0.530	0.230
10:15	0.000	0.050	0.011	0.000	0.756	0.059	0.020	1.133	0.346	0.000	0.535	0.220
10:30	0.000	0.061	0.011	0.000	0.756	0.114	0.029	0.841	0.300	0.000	0.532	0.215
10:45	0.000	0.049	0.012	0.000	0.543	0.084	0.013	0.709	0.240	0.000	0.528	0.237
11:00	0.000	0.090	0.012	0.000	0.611	0.021	0.007	0.764	0.202	0.000	0.529	0.206
11:15	0.000	0.061	0.012	0.000	0.514	0.056	0.000	0.742	0.234	0.000	0.584	0.215
11:30	0.000	0.052	0.012	0.000	0.335	0.052	0.039	2.734	0.391	0.000	0.527	0.237
11:45	0.000	0.066	0.015	0.000	0.286	0.028	0.000	0.817	0.215	0.000	0.535	0.228
12:00	0.000	0.053	0.012	0.000	1.411	0.221	0.013	1.084	0.300	0.000	0.730	0.237
12:15	0.000	0.055	0.013	0.000	0.553	0.045	0.017	1.206	0.266	0.000	0.604	0.242
12:30	0.000	0.055	0.014	0.001	0.727	0.149	0.019	1.487	0.316	0.000	0.630	0.213
12:45	0.000	0.073	0.016	0.000	0.471	0.048	0.007	1.833	0.381	0.000	0.609	0.222
13:00	0.000	0.073	0.015	0.000	0.987	0.105	0.000	0.894	0.277	0.000	0.717	0.259
13:15	0.000	0.095	0.016	0.002	1.057	0.160	0.014	1.064	0.368	0.002	1.076	0.334
13:30	0.000	0.084	0.017	0.003	0.824	0.105	0.000	1.348	0.299	0.000	0.592	0.244
13:45	0.000	0.040	0.011	0.012	1.081	0.180	0.014	0.941	0.265	0.024	0.566	0.235
14:00	0.000	0.039	0.011	0.010	1.086	0.191	0.000	3.339	0.308	0.000	0.796	0.268
14:15	0.000	0.032	0.011	0.005	0.574	0.149	0.006	1.445	0.404	0.000	0.793	0.238
14:30	0.000	0.040	0.012	0.011	0.832	0.138	0.000	1.854	0.317	0.000	0.612	0.247

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, June 4, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
14:45	0.000	0.040	0.011	0.011	0.634	0.087	0.051	6.191	0.447	0.000	0.985	0.314
15:00	0.000	0.042	0.012	0.016	1.109	0.240	0.019	1.945	0.507	0.006	0.643	0.248
15:15	0.000	0.046	0.014	0.021	1.187	0.280	0.066(d)	1.453(d)	0.523(d)	0.048(d)	0.636(d)	0.255(d)
15:30	0.000	0.034	0.013	0.022	0.509	0.145	0.000	1.327	0.379	0.059	0.789	0.282
15:45	0.000	0.060	0.016	0.008	0.411	0.080	0.020	1.329	0.381	0.004	0.682	0.221
16:00	0.000	0.038	0.013	0.010	0.598	0.157	0.005	1.883	0.375	0.013	0.778	0.274
16:15	0.000	0.035	0.012	0.013	0.370	0.096	0.053	4.702	0.660	0.000	0.895	0.237
16:30	0.000	0.366	0.013	0.005	0.281	0.062	0.074	7.909	1.363	0.051	1.156	0.287
16:45	0.000	0.191	0.016	0.001	0.248	0.052	0.021	3.699	0.656	0.122	3.449	0.970
17:00	0.006(b)	0.055(b)	0.026(b)	0.000(b)	0.151(b)	0.024(b)	0.024(b)	5.328(b)	1.069(b)	0.065(b)	1.694(b)	0.680(b)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.011**			**0.139**			**0.362**			**0.335**		
Sampler Start Time	7:05 AM			6:53 AM			7:02 AM			6:42 AM		
Sampler End Time	16:47 PM			16:53 PM			16:58 PM			16:56 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, June 4, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		0.001(b)	0.001(b)	0.001(b)	
7:00	(a)	(a)	(a)	(a)	0.000(b)	0.002(b)	0.001(b)	0.001(b)	0.001(b)	0.003(b)	0.002(b)	0.002(b)	0.002	0.007	0.003	0.002(b)
7:15	0.001(b)	0.002(b)	0.002(b)		0.000	0.002	0.001		0.005	0.008	0.007		0.001	0.003	0.002	
7:30	0.000	0.003	0.001		0.000	0.001	0.001		0.007	0.010	0.008		0.001	0.002	0.001	
7:45	0.001	0.003	0.002		0.000	0.001	0.001		0.006	0.008	0.007		0.001	0.003	0.002	
8:00	0.000	0.003	0.001	0.002(b)	0.000	0.001	0.000	0.001	0.006	0.007	0.006	0.007	0.001	0.003	0.002	0.002
8:15	0.000	0.002	0.001		0.000	0.003	0.001		0.004	0.009	0.007		0.001	0.002	0.002	
8:30	0.001	0.003	0.002		0.000	0.002	0.001		0.005	0.009	0.007		0.001	0.002	0.002	
8:45	0.001	0.002	0.002		0.000	0.001	0.000		0.005	0.015	0.008		0.002	0.003	0.002	
9:00	0.001	0.003	0.002	0.002	0.000	0.002	0.001	0.001	0.007	0.027	0.011	0.008	0.001	0.012	0.003	0.002
9:15	0.002	0.003	0.003		0.001	0.002	0.002		0.009	0.016	0.012		0.002	0.020	0.007	
9:30	0.002	0.004	0.003		0.002	0.003	0.002		0.012	0.013	0.013		0.005	0.019	0.009	
9:45	0.002	0.009	0.004		0.001	0.003	0.002		0.011	0.015	0.012		0.005	0.014	0.008	
10:00	0.002	0.004	0.003	0.003	0.001	0.002	0.002	0.002	0.011	0.014	0.012	0.012	0.003	0.009	0.005	0.007
10:15	0.003	0.004	0.003		0.000	0.003	0.001		0.010	0.013	0.012		0.004	0.014	0.007	
10:30	0.003	0.005	0.003		0.000	0.002	0.001		0.011	0.013	0.012		0.003	0.020	0.006	
10:45	0.002	0.014	0.006		0.000	0.002	0.000		0.010	0.013	0.011		0.003	0.008	0.005	
11:00	0.004	0.010	0.006	0.005	0.000	0.001	0.000	0.001	0.007	0.012	0.010	0.011	0.003	0.007	0.004	0.005
11:15	0.003	0.015	0.005		0.000	0.002	0.000		0.009	0.011	0.010		0.003	0.010	0.004	
11:30	0.004	0.005	0.004		0.000	0.002	0.000		0.009	0.011	0.010		0.002	0.016	0.006	
11:45	0.003	0.005	0.005		0.000	0.001	0.000		0.008	0.011	0.009		0.002	0.017	0.005	
12:00	0.004	0.005	0.005	0.005	0.000	0.001	0.000	0.000	0.009	0.012	0.010	0.010	0.002	0.027	0.007	0.006
12:15	0.004	0.005	0.005		0.000	0.000	0.000		0.009	0.010	0.009		0.002	0.019	0.005	
12:30	0.003	0.006	0.005		0.000	0.000	0.000		0.009	0.011	0.009		0.002	0.016	0.006	
12:45	0.004	0.006	0.005		0.000	0.001	0.000		0.010	0.012	0.010		0.002	0.012	0.004	
13:00	0.003	0.006	0.005	0.005	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.010	0.002	0.021	0.005	0.005
13:15	0.005	0.006	0.005		0.000	0.000	0.000		0.009	0.011	0.010		0.002	0.026	0.006	
13:30	0.005	0.006	0.005		0.000	0.000	0.000		0.007	0.010	0.010		0.000	0.028	0.007	
13:45	0.004	0.006	0.005		0.000	0.000	0.000		0.009	0.010	0.010		0.001	0.020	0.005	
14:00	0.005	0.006	0.005	0.005	0.000	0.000	0.000	0.000	0.009	0.011	0.010	0.010	0.000	0.046	0.014	0.008
14:15	0.005	0.006	0.005		0.000	0.000	0.000		0.009	0.011	0.010		0.001	0.036	0.007	
14:30	0.005	0.006	0.005		0.000	0.000	0.000		0.009	0.011	0.010		0.001	0.021	0.007	
14:45	0.005	0.006	0.005		0.000	0.000	0.000		0.009	0.014	0.010		0.000	0.019	0.005	
15:00	0.005	0.006	0.006	0.005	0.000	0.000	0.000	0.000	0.009	0.010	0.010	0.010	0.000	0.013	0.003	0.006
15:15	0.005	0.007	0.006		0.000	0.000	0.000		0.009	0.010	0.010		0.000	0.007	0.002	
15:30	0.006	0.007	0.006		0.000	0.000	0.000		0.009	0.011	0.010		0.000	0.003	0.001	
15:45	0.005	0.007	0.007		0.000	0.000	0.000		0.009	0.043	0.012		0.000	0.008	0.002	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, June 4, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.006	0.007	0.007	0.006	0.000	0.000	0.000	0.000	0.009	0.032	0.012	0.011	0.000	0.004	0.001	0.002
16:15	0.005	0.007	0.006		0.000	0.000	0.000		0.010	0.014	0.011		0.000	0.005	0.000	
16:30	0.005	0.007	0.006		0.000	0.000	0.000		0.011	0.015	0.013		0.000	0.003	0.000	
16:45	0.005	0.007	0.006		0.000	0.000	0.000		0.012	0.013	0.013		0.000	0.000	0.000	
17:00	0.006(b)	0.006(b)	0.006(b)	0.006(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.012(b)	0.018(b)	0.014(b)	0.013(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)
17:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.004**				**0.000**				**0.010**				**0.004**			
Sampler Start Time	7:06 AM				6:53 AM				6:59 AM				6:45 AM			
Sampler End Time	4:47 PM				4:52 PM				4:54 PM				4:56 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, June 4, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	10.9(b)	4.1(b)	19.7(b)	**159.5(b)(e)**
7:00	12.6	1.1	12.1	**83.5(e)**
7:30	17.7	1.7	18.3	**139.0(e)**
8:00	30.4	7.5	44.2	**171.8(e)**
8:30	18.2	17.5	53.4	**88.9(e)**
9:00	7.0	3.4	18.9	**83.4(e)**
9:30	4.3	1.3	8.3	52.8
10:00	3.4	0.9	5.0	18.7
10:30	3.9	0.9	7.0	14.6
11:00	4.0	1.0	5.8	25.7
11:30	2.8	0.4	4.3	46.5
12:00	2.8	0.8	4.6	16.0
12:30	3.0	0.3	4.6	12.2
13:00	3.5	0.6	5.5	17.3
13:30	3.7	0.6	4.7	43.6
14:00	3.5	0.4	7.6	48.8
14:30	4.0	0.3	4.6	26.1
15:00	3.5	0.3	4.7	13.4
15:30	3.1	0.2	4.7	13.2
16:00	3.4	0.1	6.8	8.8
16:30	3.1	0.4	6.4	6.5
17:00	3.1(b)	0.4(b)	3.1	10.1(b)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**6.9**	**2.0**	**11.4**	**49.1**
Sampler Start Time	6:18 AM	6:14 AM	6:16 AM	6:08 AM
Sampler End Time	16:48 PM	16:54 PM	17:00 PM	16:56 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to foggy weather conditions.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, June 7, 2004**

1) Exceedances:
There were three exceedances of the Particulate Matter Action Limit at Station 3, DR3, during the 7:01-7:30, 1:31-2:00 pm, and 2:31-3:00 pm averaging periods. The 30 minute TWA for the 7:01-7:30 period at DR3, a downwind monitor, was 133.7 ug/m3. The upwind monitor 30 minute TWA for the same period was 10.6 ug/m3, which represents a difference of 123.1 ug/m3. The 30 minute TWA for the 1:31-2:00 period at DR3, a downwind monitor, was 200.2 ug/m3. The upwind monitor 30 minute TWA for this same period was 55.0 ug/m3. This represents a difference of 145.2 ug/m3. For the period of 2:31-3:00 pm at DR3, the average was 138.7 ug/m3. The upwind monitor 30 minute TWA for the same period was 68.4 ug/m3. This represents a difference of 70.3 ug/m3. All of these exceed the 30 minute TWA Action Limit (downwind monitor greater than 52 ug/m3 above upwind monitor). These exceedances are due to cement trucks idling and pumping cement in front of station and work being performed less than 100 feet directly upwind of station.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 70 °F
Average wind speed: 2 meters/second
Predominant wind direction: Variable, however, generally from the south until approximately 11:15, then generally from the north.

5) Site Activity:
Start Time: 7:15 AM (Began applying cement at 6:30 am)
Stop Time: 4:30 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, June 7, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind/Downwind (e)			Downwind			Upwind/Downwind (e)			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.000(b)	0.155(b)	0.027(b)	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.293(b)	0.019(b)
7:00	0.000	0.083	0.023	0.051(b)	0.082(b)	0.062(b)	0.005(b)	0.406(b)	0.175(b)	0.000	0.315	0.030
7:15	0.000	0.074	0.024	0.035	0.122	0.050	0.000	0.384	0.163	0.000	0.347	0.056
7:30	0.000	0.051	0.012	0.033	0.221	0.093	0.000	0.410	0.168	0.000	0.421	0.077
7:45	0.000	0.063	0.014	0.022	0.041	0.028	0.000	0.397	0.154	0.000	0.317	0.096
8:00	0.000	0.053	0.008	0.020	0.030	0.025	0.000	0.364	0.157	0.000	0.336	0.105
8:15	0.000	0.106	0.017	0.023	0.100	0.033	0.002	0.372	0.148	0.000	0.319	0.116
8:30	0.000	0.426	0.098	0.019	0.042	0.030	0.000	0.336	0.147	0.000	0.382	0.110
8:45	0.000	0.084	0.016	0.022	0.361	0.066	0.000	0.376	0.150	0.000	0.398	0.119
9:00	0.000	0.064	0.007	0.032	0.474	0.108	0.002	0.482	0.161	0.000	0.377	0.120
9:15	0.000	0.055	0.009	0.020	0.196	0.047	0.000	0.393	0.157	0.000	0.410	0.128
9:30	0.000	0.084	0.024	0.021	0.133	0.045	0.000	0.394	0.165	0.000	0.373	0.112
9:45	0.000	0.052	0.011	0.019	0.122	0.039	0.000	0.381	0.179	0.000	0.439	0.119
10:00	0.000	0.081	0.012	0.030	0.249	0.059	0.000	0.381	0.156	0.000	0.413	0.104
10:15	0.000	0.103	0.019	0.022	0.085	0.050	0.000	0.386	0.178	0.000	0.359	0.089
10:30	0.000	0.120	0.027	0.037	0.079	0.050	0.001	0.413	0.175	0.000	0.392	0.090
10:45	0.000	0.042	0.013	0.037	0.138	0.078	0.007	0.656	0.205	0.000	0.353	0.093
11:00	0.000	0.046	0.012	0.041	0.093	0.057	0.007	0.510	0.209	0.000	0.353	0.092
11:15	0.000	0.039	0.011	0.036	0.127	0.061	0.014	2.091	0.344	0.009	0.642	0.126
11:30	0.000	0.037	0.012	0.037	0.089	0.059	0.000	0.734	0.217	0.008	0.400	0.115
11:45	0.000	0.048	0.015	0.043	0.094	0.065	0.020	2.162	0.370	0.029	0.628	0.179
12:00	0.000	0.081	0.022	0.046	0.143	0.082	0.000	0.480	0.219	0.017	0.446	0.109
12:15	0.003	0.097	0.035	0.016	0.238	0.106	0.011	3.473	0.396	0.000	0.497	0.148
12:30	0.005	0.056	0.027	0.058	0.188	0.093	0.091	2.431	0.591	0.000	0.752	0.154
12:45	0.004	0.056	0.027	0.061	0.120	0.088	0.025	1.209	0.315	0.000	0.556	0.151
13:00	0.000	0.051	0.025	0.051	0.365	0.095	0.032	1.920	0.396	0.000	0.827	0.230
13:15	0.004	0.048	0.025	0.042	0.129	0.072	0.026	1.224	0.355	0.072	0.930	0.306
13:30	0.003	0.049	0.025	0.054	0.314	0.111	0.093	1.657	0.490	0.094	1.327	0.376
13:45	0.003	0.050	0.022	0.063	0.242	0.105	0.059	1.637	0.504	0.034	1.035	0.401
14:00	0.003	0.052	0.021	0.063	0.432	0.111	0.109	1.429	0.609	0.163	1.311	0.482
14:15	0.000	0.047	0.020	0.078	0.736	0.183	0.087	1.754	0.631	0.141	1.715	0.623
14:30	0.000	0.043	0.019	0.080	0.456	0.141	0.080	2.550	0.823	0.075	1.720	0.561
14:45	0.000	0.042	0.019	0.082	0.525	0.167	0.195	2.329	0.747	0.046	1.298	0.529

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, June 7, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind/Downwind (e)			Downwind			Upwind/Downwind (e)			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.001	0.066	0.024	0.078	0.164	0.097	0.027	3.850	0.439	0.052	4.229	0.508
15:15	0.000	0.045	0.019	0.088	1.027	0.232	0.028	2.630	0.570	0.052	3.969	0.662
15:30	0.002	0.083	0.022	0.076	0.489	0.131	0.065	2.192	0.701	0.684	6.312	2.147
15:45	0.000	0.066	0.019	0.083	0.422	0.151	0.065	2.049	0.720	0.831	6.698	2.992
16:00	0.000	0.073	0.019	0.075	0.362	0.140	0.042	2.006	0.581	0.561	7.173	2.718
16:15	0.000	0.077	0.030	0.075	0.264	0.103	0.022	2.367	0.558	0.199	6.824	1.537
16:30	0.000	0.144	0.032	0.072	0.167	0.092	0.037	1.500	0.406	0.386	5.038	2.222
16:45	0.001	0.091	0.026	0.071	0.278	0.100	0.026	2.902	0.610	0.145	3.425	0.987
17:00	0.000	0.167	0.031	0.075	0.386	0.104	0.003	2.898	0.430	0.214	3.548	1.158
17:15	0.000	0.163	0.031	0.064	0.340	0.102	0.015	1.881	0.446	0.206	2.108	0.759
17:30	0.002(b)	0.070(b)	0.025(b)	0.064	0.629	0.169	0.048	2.450	0.569	0.244	2.280	0.888
17:45	(c)	(c)	(c)	0.070	0.218	0.096	0.006	2.227	0.573	0.257	1.986	0.648
18:00	(c)	(c)	(c)	0.068(b)	0.101(b)	0.077(b)	0.019(b)	0.992(b)	0.258(b)	0.175(b)	0.845(b)	0.382(b)
Daily Average	**0.022**			**0.090**			**0.375**			**0.522**		
Sampler Start Time	6:41 AM			6:47 AM			6:55 AM			6:36 AM		
Sampler End Time	17:19 PM			17:50 PM			17:56 PM			17:54 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) The wind varied throughtout the day, however was generally from the south until 11:15, then generally from the north.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, June 7, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

Time of Day	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind/Downwind (g)				Downwind				Upwind/Downwind (g)				Downwind			
	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	0.003(b)	0.005(b)	0.004(b)		(a)	(a)	(a)		(a)	(a)	(a)		0.001(b)	0.005(b)	0.004(b)	
7:00	0.000	0.003	0.003	0.003(b)	0.000(b)	0.002(b)	0.001(b)	0.001(b)	0.002(b)	0.013(b)	0.010(b)	0.010(b)	0.002	0.005	0.003	0.004(b)
7:15	0.003	0.008	0.004		0.001	0.003	0.002		0.012	0.014	0.013		0.002	0.003	0.003	
7:30	0.002	0.005	0.003		0.001	0.006	0.003		0.010	0.013	0.011		0.001	0.003	0.002	
7:45	0.003	0.005	0.004		0.001	0.002	0.001		0.008	0.012	0.010		0.002	0.003	0.003	
8:00	0.003	0.008	0.004	0.004	0.000	0.002	0.001	0.002	0.007	0.010	0.009	0.011	0.002	0.003	0.003	0.003
8:15	0.002	0.012	0.005		0.000	0.004	0.001		0.007	0.014	0.008		0.002	0.003	0.002	
8:30	0.004	0.020	0.009		0.001	0.002	0.002		0.006	0.008	0.007		0.002	0.003	0.002	
8:45	0.002	0.004	0.003		0.002	0.006	0.002		0.006	0.008	0.007		0.002	0.003	0.002	
9:00	0.002	0.005	0.003	0.005	0.001	0.018	0.004	0.002	0.006	0.009	0.007	0.007	0.002	0.003	0.002	0.002
9:15	0.002	0.005	0.003		0.001	0.004	0.002		0.005	0.006	0.006		0.002	0.004	0.003	
9:30	0.002	0.010	0.005		0.000	0.005	0.002		0.003	0.034	0.008		0.002	0.004	0.003	
9:45	0.003	0.005	0.004		0.001	0.002	0.002		0.003	0.007	0.005		0.002	0.004	0.003	
10:00	0.002	0.005	0.004	0.004	0.001	0.003	0.002	0.002	0.000	0.007	0.004	0.006	0.002	0.004	0.003	0.003
10:15	0.003	0.008	0.005		0.000	0.003	0.001		0.000	0.009	0.005		0.003	0.004	0.004	
10:30	0.003	0.008	0.005		0.000	0.002	0.001		0.002	0.012	0.005		0.003	0.004	0.004	
10:45	0.003	0.005	0.004		0.002	0.004	0.003		0.003	0.009	0.006		0.003	0.004	0.004	
11:00	0.003	0.005	0.004	0.004	0.002	0.003	0.002	0.002	0.005	0.008	0.006	0.005	0.004	0.006	0.004	0.004
11:15	0.003	0.005	0.004		0.002	0.004	0.003		0.003	0.015	0.007		0.003	0.012	0.005	
11:30	0.003	0.005	0.004		0.000	0.004	0.002		0.006	0.007	0.006		0.004	0.015	0.007	
11:45	0.004	0.005	0.005		0.003	0.004	0.004		0.006	0.010	0.007		0.004	0.013	0.006	
12:00	0.004	0.005	0.005	0.004	0.002	0.006	0.004	0.003	0.007	0.009	0.008	0.007	0.002	0.005	0.004	0.005
12:15	0.002	0.005	0.005		0.003	0.004	0.004		0.007	0.043	0.013		0.002	0.011	0.005	
12:30	0.005	0.007	0.005		0.004	0.005	0.004		0.008	0.063	0.016		0.002	0.007	0.005	
12:45	0.005	0.006	0.006		0.003	0.005	0.004		0.007	0.010	0.009		0.003	0.005	0.004	
13:00	0.004	0.006	0.005	0.005	0.003	0.005	0.004	0.004	0.008	0.012	0.009	0.012	0.004	0.013	0.007	0.005
13:15	0.005	0.006	0.005		0.004	0.005	0.004		0.008	0.010	0.009		0.003	0.014	0.005	
13:30	0.003	0.006	0.005		0.004	0.005	0.004		0.008	0.029	0.011		0.003	0.012	0.005	
13:45	0.005	0.007	0.006		0.004	0.006	0.004		0.009	0.012	0.011		0.003	0.005	0.004	
14:00	0.006	0.007	0.007	0.006	0.004	0.006	0.005	0.004	0.010	0.043	0.017	0.012	0.004	0.008	0.005	0.005
14:15	0.005	0.008	0.007		0.005	0.006	0.005		0.010	0.014	0.012		0.003	0.007	0.004	
14:30	0.007	0.008	0.007		0.005	0.006	0.006		0.012	0.023	0.014		0.003	0.009	0.004	
14:45	0.007	0.012	0.008		0.004	0.006	0.005		0.015	0.037	0.019		0.003	0.044	0.007	
15:00	0.006	0.009	0.008	0.008	0.002	0.006	0.005	0.005	0.010	0.035	0.016	0.015	0.002	0.008	0.004	0.005
15:15	0.007	0.008	0.008		0.004	0.012	0.005		0.011	0.042	0.016		0.002	0.035	0.009	
15:30	0.007	0.009	0.008		0.004	0.005	0.005		0.010	0.048	0.018		0.000	0.019	0.002	
15:45	0.007	0.009	0.008		0.004	0.005	0.005		0.013	0.024	0.016		0.000	0.015	0.002	
16:00	0.007	0.009	0.008	0.008	0.003	0.005	0.004	0.005	0.013	0.027	0.016	0.016	0.000	0.004	0.000	0.003

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, June 7, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind/Downwind (g)				Downwind				Upwind/Downwind (g)				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				**ppm**				**ppm**				**ppm**			
16:15	0.007	0.009	0.008		0.002	0.005	0.004		0.011	0.018	0.013		0.000	0.020	0.003	
16:30	0.007	0.008	0.008		0.002	0.005	0.004		0.004	0.043	0.015		0.000	0.000	0.000	
16:45	0.007	0.009	0.008		0.002	0.005	0.004		0.004	0.014	0.010		0.000	0.001	0.000	
17:00	0.006	0.008	0.008	0.008	0.002	0.005	0.004	0.004	0.008	0.018	0.012	0.013	0.000	0.001	0.000	0.001
17:15	0.006	0.008	0.008		0.005	0.006	0.005		0.009	0.013	0.011		0.000	0.002	0.000	
17:30	0.007(b)	0.008(b)	0.007(b)		0.005	0.005	0.005		0.011	0.013	0.012		0.000	0.002	0.000	
17:45	(c)	(c)	(c)		0.002	0.005	0.004		0.011	0.013	0.012		0.000	0.003	0.001	
18:00	(c)	(c)	(c)	0.008(b)	0.002(b)	0.005(b)	0.004(b)	0.004(b)	0.010(b)	0.012(b)	0.011(b)	0.012(b)	0.001(b)	0.005(b)	0.003(b)	0.001(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.006**				**0.003**				**0.010**				**0.003**			
Sampler Start Time	6:41 AM				6:47 AM				6:51 AM				6:36 AM			
Sampler End Time	5:18 PM				5:49 PM				5:51 PM				5:55 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

(g) The wind varied throughtout the day, however was generally from the south until 11:15, then generally from the north.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, June 7, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind/Downwind	**Downwind**	**Downwind/Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	10.2(b)	0.5(b)	5.5(b)	5.3(b)
7:00	12.5	0.9	52.6	6.2
7:30	10.6	4.4	**133.7(e)**	6.0
8:00	13.3	2.2	43.2	6.0
8:30	17.0	2.2	6.1	5.5
9:00	10.5	5.2	9.7	6.2
9:30	17.2	3.6	9.1	8.0
10:00	21.6	4.2	9.0	9.3
10:30	20.4	5.1	13.1	11.4
11:00	27.5	4.5	37.2	20.0
11:30	33.7	7.3	61.2	28.2
12:00	35.5	7.5	34.1	29.7
12:30	40.3	11.0	65.2	40.3
13:00	42.6	11.0	51.1	60.9
13:30	40.9	10.4	65.3	48.8
14:00	55.0	18.5	**200.2(e)**	51.6
14:30	62.0	27.0	76.7	69.3
15:00	68.4	31.2	**138.7(e)**	62.9
15:30	64.7	29.8	74.7	57.3
16:00	64.5	27.9	69.1	56.1
16:30	79.0	21.1	61.1	59.2
17:00	71.0	18.7	62.9	51.9
17:30	66.8(b)	15.0	55.0	45.4
18:00	(c)	15.2(b)	55.9(b)	48.9(b)
Daily Average	**38.7**	**12.0**	**58.8**	**33.2**
Sampler Start Time	6:17 AM	6:12 AM	6:13 AM	6:07 AM
Sampler End Time	17:20 PM	17:51 PM	17:57 PM	17:55 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to cement trucks idling and pumping cement in front of station and work being performed less than 100 feet directly upwind of station..

(f) The wind varied throughtout the day, however was generally from the south until 11:15, then generally from the north.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: Tuesday, June 8, 2004

1) Exceedances:
There was one exceedance of the Particulate Matter Action Limit at Station 3 during the 8:01-8:30 averaging period. The 30 minute TWA for the this period at DR3, a downwind monitor, was 198.9 ug/m3. The upwind monitor 30 minute TWA for the same period was 96.9 ug/m3, which represents a difference of 102.0 ug/m3, and is an exceedance of the 30 minute TWA Action Limit (downwind monitor greater than 52 ug/m3 above upwind monitor). The exceedance appears to be related to high humidity and trucks blowing cement in close proximity to the monitor.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 80 °F
Average wind speed: 1.6 meters/second
Predominant wind direction: Highly variable between north and south. Monitors set up with Station 3 upwind.

5) Site Activity:
Start Time: 6:45 AM (Began applying cement at 6:30 am)
Stop Time: 4:45 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 8, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	0.000(b)	0.621(b)	0.048(b)	0.016(b)	0.063(b)	0.031(b)	(a)	(a)	(a)	0.000(b)	0.170(b)	0.039(b)
6:45	0.000	0.281	0.062	0.002	0.658	0.093	0.000(b)	0.291(b)	0.095(b)	0.000	0.483	0.055
7:00	0.000	0.007	0.000	0.025	0.501	0.133	0.000	0.298	0.098	0.000	0.412	0.049
7:15	0.000	0.175	0.016	0.195	0.804	0.420	0.000	0.273	0.074	0.000	0.533	0.213
7:30	0.000	0.069	0.003	0.000	0.313	0.123	0.000	0.177	0.043	0.068	0.852	0.451
7:45	0.000	0.060	0.003	0.050	0.674	0.293	0.000	0.172	0.045	0.160	0.962	0.626
8:00	0.000	0.068	0.004	0.561	1.130	0.849	0.000	0.245	0.042	0.226	1.262	0.756
8:15	0.000	0.033	0.001	0.229	0.594	0.383	0.000	1.387	0.202	0.300	1.152	0.819
8:30	0.000	0.055	0.005	0.135	0.373	0.225	0.000	0.913	0.172	0.126	0.986	0.620
8:45	0.000	0.066	0.006	0.048	0.489	0.165	0.000	0.798	0.171	0.189	1.090	0.577
9:00	0.000	0.109	0.006	0.000	0.119	0.022	0.000	0.516	0.123	0.059	0.796	0.405
9:15	0.000	2.584	0.097	0.000	0.177	0.045	0.000	0.265	0.090	0.030	0.689	0.284
9:30	0.000	0.203	0.035	0.000	0.217	0.041	0.000	0.280	0.093	0.047	0.607	0.256
9:45	0.000	0.205	0.014	0.000	0.051	0.013	0.000	2.592	0.247	0.001	0.592	0.240
10:00	0.000	0.058	0.003	0.000	0.070	0.012	0.000	1.685	0.276	0.041	0.636	0.248
10:15	0.000	0.029	0.001	0.000	0.034	0.002	0.000	1.687	0.302	0.030	0.527	0.256
10:30	0.000	0.112	0.003	0.000	0.099	0.008	0.000	1.419	0.228	0.045	0.711	0.293
10:45	0.000	9.554	0.324	0.000	0.128	0.031	0.000	0.927	0.127	0.087	0.695	0.338
11:00	0.000	0.116	0.004	0.000	0.367	0.021	0.000	0.348	0.118	0.112	0.671	0.361
11:15	0.000	0.055	0.001	0.000	0.349	0.043	0.000	1.367	0.174	0.173	0.758	0.434
11:30	0.000	0.019	0.000	0.001	0.104	0.011	0.000	1.800	0.395	0.432	0.472	0.455
11:45	0.000	0.016	0.000	0.002	0.040	0.013	0.004	1.966	0.420	0.466	0.565	0.514
12:00	0.000	0.030	0.001	0.010	0.160	0.042	0.000	0.398	0.135	0.559	0.728	0.632
12:15	0.000	0.025	0.001	0.002	0.024	0.010	0.000	4.662	0.432	0.680	0.791	0.742
12:30	0.000	2.115	0.028	0.005	0.229	0.052	0.000	2.177	0.277	0.777	1.081	0.844
12:45	0.000	0.038	0.002	0.000	0.764	0.044	0.000	2.452	0.324	0.811	0.879	0.843
13:00	0.000	0.137	0.011	0.003	0.197	0.055	0.000	2.091	0.214	0.844	1.185	0.908
13:15	0.000	0.220	0.019	0.003	1.086	0.123	0.000	4.488	0.547	0.841	1.147	0.894
13:30	0.000	0.079	0.002	0.000	0.306	0.018	0.000	3.873	0.954	0.801	1.582	0.849
13:45	0.000	0.009	0.000	0.000	0.341	0.014	0.008	4.547	0.883	0.827	0.901	0.863
14:00	0.000	0.010	0.000	0.000	0.200	0.011	0.037	5.978	1.064	0.857	0.966	0.905
14:15	0.000	0.036	0.001	0.000	0.649	0.039	0.000	4.333	0.585	0.784	1.119	1.020
14:30	0.000	0.139	0.010	0.000	2.090	0.098	0.000	2.203	0.270	1.041	1.246	1.125

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 8, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
14:45	0.000	0.174	0.007	0.000	3.194	0.165	0.007	2.720	0.509	1.043	1.209	1.087
15:00	0.000	0.142	0.013	0.000	0.790	0.061	0.000	3.659	0.383	1.102	1.398	1.181
15:15	0.000	0.144	0.006	0.000	1.546	0.053	0.000	2.800	0.605	1.068	1.413	1.237
15:30	0.000	0.656	0.034	0.000	4.492	0.293	0.000	2.297	0.245	1.252	1.786	1.498
15:45	0.000	0.098	0.005	0.001	1.591	0.176	0.000	3.347	0.555	1.510	2.208	1.815
16:00	0.000	0.238	0.025	0.015	3.928	0.401	0.006	3.587	0.575	1.991	2.972	2.321
16:15	0.000	0.129	0.021	0.006	4.352	0.346	0.000	3.221	0.504	2.301	3.485	2.958
16:30	0.000(d)	1.016(d)	0.080(d)	0.000	5.520	0.345	0.000	3.581	0.332	1.556	2.329	1.819
16:45	0.000(d)	0.101(d)	0.013(d)	0.000	1.601	0.212	0.000	1.056	0.153	1.237	1.594	1.443
17:00	0.000	0.101	0.006	0.000	1.077	0.115	0.000	3.226	0.564	1.127	1.236	1.190
17:15	0.000	0.302	0.031	0.000	0.775	0.101	0.000	2.798	0.457	1.000	1.421	1.105
17:30	0.000	0.184	0.020	0.000	1.003	0.116	0.000	2.861	0.364	0.832	1.288	0.953
17:45	0.000(b)	3.885(b)	0.087(b)	0.000(b)	1.278(b)	0.210(b)	0.000	1.653	0.221	0.775(b)	0.833(b)	0.794(b)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	0.000(b)	2.021(b)	0.426(b)	(c)	(c)	(c)
Daily Average	**0.022**			**0.134**			**0.329**			**0.817**		
Sampler Start Time	6:24 AM			6:29 AM			6:38 AM			6:21 AM		
Sampler End Time	17:38 PM			17:41 PM			17:49 PM			17:35 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 8, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	0.000(b)	0.005(b)	0.001(b)		0.000(b)	0.000(b)	0.000(b)		(a)	(a)	(a)		0.000(b)	0.006(b)	0.004(b)	
6:45	0.000	0.003	0.001		0.000	0.006	0.002		0.000(b)	0.006(b)	0.004(b)		0.003	0.005	0.004	
7:00	0.000	0.001	0.000	0.001(b)	0.000	0.005	0.002	0.001(b)	0.006	0.008	0.007	0.006(b)	0.001	0.003	0.002	0.003(b)
7:15	0.000	0.005	0.003		0.001	0.003	0.002		0.006	0.008	0.008		0.000	0.007	0.004	
7:30	0.002	0.005	0.003		0.002	0.006	0.002		0.006	0.008	0.008		0.002	0.010	0.004	
7:45	0.002	0.008	0.004		0.001	0.003	0.002		0.005	0.009	0.007		0.003	0.007	0.004	
8:00	0.002	0.005	0.003	0.003	0.000	0.002	0.002	0.002	0.006	0.008	0.007	0.007	0.003	0.007	0.004	0.004
8:15	0.002	0.005	0.004		0.000	0.004	0.002		0.006	0.041	0.010		0.003	0.010	0.004	
8:30	0.003	0.004	0.004		0.000	0.003	0.002		0.003	0.031	0.009		0.003	0.005	0.004	
8:45	0.004	0.011	0.006		0.000	0.005	0.003		0.001	0.02	0.008		0.002	0.005	0.004	
9:00	0.005	0.008	0.006	0.005	0.000	0.007	0.003	0.003	0.003	0.030	0.009	0.009	0.004	0.010	0.005	0.004
9:15	0.005	0.007	0.006		0.003	0.008	0.004		0.003	0.012	0.006		0.004	0.017	0.007	
9:30	0.005	0.020	0.008		0.003	0.032	0.006		0.000	0.012	0.006		0.004	0.013	0.006	
9:45	0.005	0.010	0.007		0.002	0.007	0.004		0.002	0.043	0.012		0.004	0.010	0.006	
10:00	0.005	0.007	0.006	0.007	0.002	0.004	0.004	0.004	0.003	0.044	0.014	0.010	0.004	0.008	0.005	0.006
10:15	0.005	0.007	0.006		0.003	0.004	0.004		0.006	0.025	0.012		0.004	0.005	0.005	
10:30	0.006	0.008	0.007		0.004	0.006	0.004		0.007	0.014	0.010		0.004	0.019	0.007	
10:45	0.006	0.008	0.007		0.004	0.005	0.005		0.008	0.016	0.011		0.004	0.012	0.006	
11:00	0.005	0.008	0.007	0.007	0.004	0.006	0.005	0.004	0.007	0.023	0.012	0.011	0.005	0.007	0.006	0.006
11:15	0.006	0.007	0.007		0.004	0.006	0.005		0.008	0.016	0.010		0.005	0.008	0.006	
11:30	0.005	0.008	0.007		0.004	0.005	0.004		0.009	0.028	0.012		0.004	0.007	0.006	
11:45	0.006	0.008	0.007		0.004	0.006	0.005		0.008	0.051	0.014		0.005	0.007	0.006	
12:00	0.006	0.008	0.007	0.007	0.004	0.007	0.006	0.005	0.008	0.013	0.010	0.012	0.005	0.008	0.007	0.006
12:15	0.005	0.008	0.007		0.005	0.006	0.006		0.009	0.020	0.012		0.004	0.007	0.006	
12:30	0.005	0.016	0.009		0.005	0.007	0.006		0.000	0.016	0.011		0.006	0.021	0.009	
12:45	0.005	0.010	0.007		0.005	0.007	0.006		0.008	0.015	0.012		0.005	0.015	0.007	
13:00	0.006	0.008	0.007	0.008	0.006	0.007	0.006	0.006	0.000	0.012	0.010	0.011	0.007	0.010	0.008	0.008
13:15	0.005	0.008	0.007		0.005	0.007	0.006		0.008	0.015	0.011		0.007	0.011	0.008	
13:30	0.005	0.008	0.007		0.005	0.007	0.006		0.004	0.019	0.013		0.006	0.010	0.007	
13:45	0.005	0.008	0.007		0.005	0.007	0.006		0.011	0.037	0.018		0.006	0.008	0.007	
14:00	0.006	0.008	0.007	0.007	0.000	0.006	0.005	0.006	0.009	0.026	0.016	0.014	0.006	0.007	0.007	0.007
14:15	0.006	0.008	0.008		0.000	0.005	0.003		0.004	0.114	0.026		0.005	0.007	0.007	
14:30	0.006	0.008	0.007		0.002	0.007	0.005		0.010	0.013	0.011		0.000	0.010	0.005	
14:45	0.005	0.008	0.007		0.005	0.008	0.006		0.009	0.016	0.012		0.000	0.009	0.006	
15:00	0.006	0.008	0.007	0.007	0.000	0.006	0.005	0.005	0.009	0.014	0.011	0.015	0.005	0.011	0.007	0.006
15:15	0.004	0.007	0.006		0.004	0.006	0.005		0.009	0.016	0.011		0.006	0.010	0.008	
15:30	0.005	0.009	0.007		0.005	0.006	0.005		0.009	0.012	0.011		0.006	0.010	0.008	
15:45	0.007	0.009	0.008		0.004	0.006	0.005		0.005	0.017	0.011		0.007	0.013	0.008	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 8, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.008	0.009	0.008	0.007	0.003	0.005	0.005	0.005	0.007	0.012	0.010	0.011	0.006	0.011	0.008	0.008
16:15	0.006	0.009	0.008		0.000	0.004	0.002		0.003	0.013	0.010		0.006	0.010	0.008	
16:30	0.005	0.008	0.007		0.000	0.003	0.002		0.008	0.014	0.010		0.007	0.011	0.008	
16:45	0.005	0.007	0.006		0.000	0.003	0.002		0.006	0.010	0.009		0.006	0.010	0.007	
17:00	0.006	0.008	0.007	0.007	0.002	0.003	0.003	0.002	0.008	0.014	0.010	0.010	0.007	0.008	0.008	0.008
17:15	0.006	0.008	0.008		0.001	0.004	0.003		0.003	0.009	0.007		0.006	0.008	0.007	
17:30	0.003	0.008	0.007		0.000	0.003	0.001		0.005	0.010	0.008		0.007	0.008	0.008	
17:45	0.005(b)	0.007(b)	0.006(b)		0.000(b)	0.004(b)	0.001(b)		0.005	0.009	0.007		0.006(b)	0.008(b)	0.007(b)	
18:00	(c)	(c)	(c)	0.007(b)	(c)	(c)	(c)	0.001(b)	(c)	(c)	(c)	0.007(b)	(c)	(c)	(c)	0.007(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.006**				**0.004**				**0.011**				**0.006**			
Sampler Start Time	6:24 AM				6:28 AM				6:35 AM				6:21 AM			
Sampler End Time	5:37 PM				5:40 PM				5:45 PM				5:35 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 8, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	84.9(b)	62.4(b)	61.8(b)	51.1(b)
6:30	90.8	70.9	63.2	55.3
7:00	106.1	57.7	68.4	73.4
7:30	99.6	65.2	78.7	69.8
8:00	104.0	63.4	91.2	66.3
8:30	96.9	56.0	**198.9 (e)**	62.9
9:00	98.2	46.8	83.6	65.9
9:30	98.7	43.4	74.4	66.2
10:00	96.8	43.3	102.8	76.7
10:30	90.3	42.2	102.1	65.7
11:00	96.6	47.8	90.1	77.8
11:30	95.8	53.9	96.6	65.5
12:00	91.9	47.9	88.7	61.6
12:30	83.9	37.7	78.4	58.1
13:00	83.3	42.6	69.8	58.6
13:30	71.9	35.1	62.4	55.4
14:00	71.6	37.5	77.2	42.6
14:30	72.8	47.8	76.2	51.0
15:00	85.3	52.9	72.5	61.7
15:30	105.4	64.4	85.5	61.9
16:00	105.3	67.8	87.2	61.3
16:30	112.9	60.1	92.9	67.0
17:00	106.1	56.6	93.5	62.8
17:30	100.4	52.0	89.0	57.6
18:00	106.9(b)	52.5(b)	95.6(b)	59.2(b)
Daily Average	**94.1**	**52.0**	**88.0**	**62.7**
Sampler Start Time	5:50 AM	5:53 AM	5:57 AM	5:59 AM
Sampler End Time	17:38 PM	17:42 PM	17:48 PM	17:47 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) Exceedance of the Action Limit related to work conducted in close proximity to Station 3.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, June 9, 2004**

1) Exceedances:
There were three apparent exceedances from at DR1, however these exceedances may be related to abnormally high readings from the monitor (see Other Section below). The apparent exceedances were as follows:

Averaging Period	Downwind (ug/m3)	Upwind (ug/m3)	Difference (ug/m3)
7:01 - 7:30	170.6	91.3	79.3
7:31 - 8:00	167.3	90.5	76.8
8:01 - 8:30	146.1	92.7	53.4

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 83 °F
Average wind speed: 2.75 meters/second
Predominant wind direction: North, however variable throughout day.

5) Site Activity:
Start Time: 7:15 AM (Began applying cement at 6:30 am)
Stop Time: 4:30 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
- Readings from DR1 were questioned at the beginning of the day, because they seemed abnormally high. A spare D1 was set out to measure concurrent with DR1 to assess the DR1 readings. DR1 and D1 monitored in unison from 8:35 to 11:48. Data from the spare showed that DR1 was in fact reading high. As a result data from the start of sampling until 8:35 is from DR1 and data after 8:35 is from the spare D1. The apparent exceedances discussed above occurred when DR1 appears to have been reading abnormally high, possibly due to very high humidity (60%)

- There was an abnormally high H2S reading of 36 ppm at 12:02 at HS1, the upwind monitor. This reading was a one-minute average, and since it was such a high number, when it was averaged with the rest of the one minute values to determine the 1 hour TWA, the one hour TWA was 0.608, which is an apparent exceedance of the H2S Action Limit. However, this value occurred at the upwind monitor, and was not related to site activities.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 9, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind/Upwind (e)			Downwind			Upwind/Downwind (e)			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.000(b)	0.387(b)	0.142(b)	0.004(b)	0.083(b)	0.024(b)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0	9.229	0.4435333	0.029	0.337	0.1119333	0.000(b)	0.781(b)	0.075(b)	(a)	(a)	(a)
7:15	0	0.525	0.1190667	0.154	0.672	0.3648667	0.000	0.011	0.000	(a)	(a)	(a)
7:30	0.000	0.482	0.125	0.348	0.666	0.474	0.000	0.000	0.000	0.000(b)	0.044(b)	0.001(b)
7:45	0.000	0.319	0.088	0.253	0.382	0.309	0.000	0.003	0.000	0.000	0.000	0.000
8:00	0.000	0.255	0.062	0.258	0.552	0.362	0.000	0.009	0.000	0.000	0.007	0.000
8:15	0.000(d)	0.363(d)	0.106(d)	0.225	0.678	0.346	0.000	0.032	0.000	0.000	0.000	0.000
8:30	0.000(d)	0.444(d)	0.086(d)	0.101	0.596	0.234	0.000	0.881	0.061	0.000	0.000	0.000
8:45	0.000	0.497	0.120	0.111	0.803	0.209	0.000	1.364	0.095	0.000	0.000	0.000
9:00	0.000	0.497	0.122	0.087	0.883	0.196	0.000	1.099	0.025	0.000	0.000	0.000
9:15	0.000	0.353	0.086	0.089	1.395	0.189	0.000	0.681	0.028	0.000	0.000	0.000
9:30	0.000	0.436	0.108	0.096	3.438	0.423	0.000	0.180	0.011	0.000	0.344	0.030
9:45	0.000	0.423	0.091	0.015	0.261	0.073	0.000	4.464	0.582	0.000	0.177	0.008
10:00	0.000	0.238	0.055	0.009	0.046	0.026	0.005	2.663	0.674	0.000	0.033	0.000
10:15	0.000	0.229	0.062	0.010	0.035	0.021	0.021	2.219	0.758	0.000	0.000	0.000
10:30	0.000	0.205	0.054	0.012	0.034	0.022	0.036	1.802	0.633	0.000	0.011	0.000
10:45	0.000	0.235	0.055	0.012	0.034	0.022	0.046	2.375	0.735	0.000	0.000	0.000
11:00	0.000	0.184	0.054	0.016	0.039	0.028	0.025	2.632	0.689	0.000	0.000	0.000
11:15	0.000	0.256	0.058	0.015	0.048	0.029	0.058	2.380	0.678	0.000	0.598	0.016
11:30	0.000	0.204	0.060	0.015	0.049	0.032	0.058	2.434	0.763	0.000	0.000	0.000
11:45	0.000	0.241	0.056	0.029	0.558	0.060	0.080	6.300	0.948	0.000	0.000	0.000
12:00	0.000	0.235	0.064	0.027	0.318	0.069	0.042	3.535	0.760	0.000	0.000	0.000
12:15	0.000	0.258	0.064	0.025	0.453	0.078	0.041	2.475	0.579	0.000	0.000	0.000
12:30	0.000	0.365	0.063	0.028	1.046	0.087	0.015	4.408	0.388	0.000	0.059	0.000
12:45	0.000	0.670	0.081	0.031	1.010	0.111	0.000	2.645	0.302	0.000	0.000	0.000
13:00	0.000	0.258	0.077	0.019	0.166	0.061	0.000	3.638	0.503	0.000	0.000	0.000
13:15	0.000	0.571	0.104	0.034	1.484	0.251	0.000	1.493	0.070	0.000	0.000	0.000
13:30	0.000	0.359	0.084	0.023	0.285	0.070	0.000	1.874	0.546	0.000	1.170	0.079
13:45	0.000	0.251	0.076	0.002	1.129	0.088	0.009	2.453	0.614	0.000	1.491	0.076
14:00	0.000	0.324	0.076	0.009	0.686	0.088	0.009	2.977	0.396	0.000	0.988	0.119
14:15	0.000	0.257	0.072	0.016	0.721	0.084	0.000	7.489	0.477	0.000	2.937	0.149
14:30	0.000	0.296	0.065	0.014	0.651	0.075	0.034	3.622	0.699	0.000	1.089	0.086
14:45	0.000	0.473	0.097	0.029	2.885	0.302	0.000	2.085	0.284	0.000	0.722	0.035

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 9, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind/Upwind (e)			Downwind			Upwind/Downwind (e)			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.000	0.542	0.107	0.034	1.718	0.341	0.000	2.428	0.279	0.000	1.158	0.079
15:15	0.000	0.663	0.121	0.024	0.645	0.120	0.002	3.631	0.670	0.000	0.931	0.079
15:30	0.000	0.344	0.076	0.018	1.367	0.144	0.003	3.186	0.547	0.000	0.798	0.044
15:45	0.000	0.591	0.092	0.019	12.623	0.535	0.000	1.721	0.292	0.000	0.359	0.018
16:00	0.000	0.781	0.152	0.060	1.882	0.344	0.000	10.653	0.754	0.000	0.582	0.020
16:15	0.000	0.728	0.091	0.028	2.426	0.276	0.000	4.566	0.518	0.000	0.662	0.017
16:30	0.000	0.603	0.162	0.046	2.323	0.414	0.000	3.555	0.431	0.000(b)	0.540(b)	0.024(b)
16:45	0.000	0.635	0.092	0.028	2.466	0.203	0.000	3.228	0.218	(c)	(c)	(c)
17:00	0.000	0.582	0.099	0.018	2.718	0.250	0.004	3.594	0.532	(c)	(c)	(c)
17:15	0.000	0.393	0.055	0.017	2.528	0.235	0.000	3.214	0.382	(c)	(c)	(c)
17:30	0.000(b)	1.052(b)	0.174(b)	0.038(b)	4.834(b)	0.526(b)	0.000	2.040	0.286	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	0.000(b)	0.006(b)	0.000(b)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.097**			**0.190**			**0.403**			**0.024**		
Sampler Start Time	6:40 AM			6:40 AM			6:50 AM			7:23 AM		
Sampler End Time	17:29 PM			17:28 PM			17:31 PM			16:26 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Southerly wind until 9:30 (DR1 upwind). Northerly wind from 9:31 to end time (DR1 upwind).

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) Wind shifted from the south to the north at approximately 9:30 am.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 9, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind/Downwind (g)				Downwind				Upwind/Downwind (g)				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	0.004(b)	0.007(b)	0.004(b)		0.002(b)	0.005(b)	0.003(b)		(a)	(a)	(a)		0.003(b)	0.012(b)	0.005(b)	
7:00	0.004	0.008	0.005	0.005(b)	0.002	0.005	0.003	0.003(b)	0.003(b)	0.005(b)	0.004(b)	0.004(b)	0.003	0.037	0.008	0.006(b)
7:15	0.005	0.010	0.007		0.002	0.005	0.003		0.003	0.008	0.005		0.004	0.011	0.006	
7:30	0.006	0.014	0.009		0.000	0.004	0.002		0.004	0.005	0.005		0.004	0.011	0.006	
7:45	0.005	0.010	0.007		0.000	0.003	0.001		0.003	0.005	0.004		0.004	0.016	0.007	
8:00	0.006	0.013	0.009	0.008	0.000	0.003	0.001	0.002	0.002	0.005	0.004	0.004	0.004	0.025	0.009	0.007
8:15	0.002	0.015	0.009		0.001	0.011	0.004		0.003	0.005	0.004		0.004	0.015	0.007	
8:30	0.007	0.015	0.010		0.001	0.005	0.003		0.003	0.005	0.004		0.004	0.021	0.009	
8:45	0.006	0.012	0.009		0.000	0.006	0.002		0.003	0.025	0.008		0.004	0.014	0.008	
9:00	0.007	0.017	0.009	0.009	0.002	0.015	0.005	0.003	0.003	0.005	0.004	0.005	0.004	0.025	0.008	0.008
9:15	0.003	0.010	0.006		0.001	0.004	0.002		0.002	0.007	0.004		0.003	0.017	0.005	
9:30	0.000	0.011	0.007		0.000	0.004	0.002		0.002	0.005	0.004		0.004	0.011	0.006	
9:45	0.001	0.018	0.009		0.002	0.004	0.002		0.004	0.012	0.006		0.004	0.009	0.005	
10:00	0.005	0.017	0.008	0.008	0.000	0.004	0.003	0.002	0.010	0.013	0.011	0.006	0.004	0.007	0.005	0.005
10:15	0.000	0.009	0.006		0.003	0.004	0.004		0.012	0.014	0.013		0.005	0.006	0.005	
10:30	0.005	0.009	0.007		0.004	0.005	0.004		0.011	0.015	0.012		0.005	0.006	0.006	
10:45	0.000	0.030	0.007		0.004	0.005	0.005		0.010	0.016	0.012		0.005	0.007	0.006	
11:00	0.007	0.009	0.008	0.007	0.004	0.006	0.005	0.005	0.009	0.023	0.011	0.012	0.005	0.007	0.007	0.006
11:15	0.007	0.009	0.008		0.005	0.006	0.006		0.007	0.015	0.008		0.006	0.007	0.007	
11:30	0.000	0.009	0.007		0.004	0.006	0.005		0.007	0.017	0.008		0.005	0.007	0.007	
11:45	0.006	0.010	0.008		0.005	0.007	0.006		0.006	0.013	0.008		0.006	0.007	0.007	
12:00	0.003	0.010	0.008	0.008	0.006	0.007	0.006	0.006	0.005	0.010	0.006	0.007	0.007	0.008	0.007	0.007
12:15	0.003	**36.0 (h)**	2.407		0.005	0.007	0.006		0.005	0.007	0.005		0.006	0.008	0.007	
12:30	0.003	0.013	0.009		0.004	0.007	0.006		0.002	0.008	0.004		0.007	0.012	0.008	
12:45	0.005	0.010	0.008		0.005	0.006	0.006		0.001	0.009	0.003		0.006	0.010	0.007	
13:00	0.007	0.015	0.009	0.608 (h)	0.004	0.005	0.005	0.006	0.001	0.005	0.003	0.004	0.006	0.009	0.007	0.007
13:15	0.005	0.010	0.008		0.004	0.005	0.005		0.001	0.004	0.003		0.005	0.007	0.007	
13:30	0.005	0.010	0.008		0.000	0.005	0.004		0.002	0.003	0.002		0.006	0.007	0.007	
13:45	0.000	0.009	0.005		0.000	0.003	0.001		0.002	0.003	0.002		0.007	0.012	0.007	
14:00	0.001	0.008	0.006	0.007	0.002	0.004	0.003	0.003	0.000	0.002	0.002	0.002	0.005	0.007	0.006	0.007
14:15	0.002	0.009	0.007		0.002	0.004	0.003		0.000	0.002	0.002		0.003	0.009	0.007	
14:30	0.001	0.008	0.006		0.002	0.004	0.003		0.001	0.005	0.002		0.006	0.007	0.007	
14:45	0.004	0.009	0.007		0.002	0.004	0.003		0.000	0.005	0.001		0.005	0.015	0.008	
15:00	0.000	0.004	0.001	0.005	0.000	0.002	0.002	0.003	0.000	0.022	0.003	0.002	0.005	0.009	0.006	0.007
15:15	0.000	0.000	0.000		0.000	0.002	0.001		0.000	0.028	0.005		0.005	0.008	0.006	
15:30	0.000	0.000	0.000		0.000	0.002	0.002		0.000	0.004	0.002		0.005	0.007	0.006	
15:45	0.000	0.000	0.000		0.000	0.003	0.001		0.000	0.002	0.001		0.003	0.007	0.006	
16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.002	0.001	0.002	0.004	0.012	0.006	0.006
16:15	0.000	0.000	0.000		0.000	0.001	0.000		0.000	0.002	0.001		0.006	0.008	0.007	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 9, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind/Downwind (g)				Downwind				Upwind/Downwind (g)				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:30	0.000	0.000	0.000		0.000	0.001	0.000		0.000	0.002	0.001		0.005	0.015	0.007	
16:45	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.002	0.001		0.002	0.009	0.005	
17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.001	0.001	0.005	0.012	0.006	0.006
17:15	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.001	0.000		0.005	0.007	0.006	
17:30	0.000(b)	0.000(b)	0.000(b)		0.000(b)	0.000(b)	0.000(b)		0.000	0.001	0.000		0.000(b)	0.006(b)	0.003(b)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		0.000(b)	0.000(b)	0.000(b)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.005(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.061**				**0.003**				**0.004**				**0.007**			
Sampler Start Time	6:36 AM				6:40 AM				6:53 AM				6:32 AM			
Sampler End Time	5:24 PM				5:27 PM				5:31 PM				5:22 PM			

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

1-hour TWA is calculated as an average of the 1-minute logged data within the hour

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

(g) Wind shifted from the south to the north at approximately 9:30 am.

(h) This an abnormally high H2S reading at HS1, the upwind monitor. This reading was part of a one-minute average, and since it was such a high number, when it was averaged with the rest of the one minute values to determine the 1 hour TWA, the one hour TWA was 0.608, which is an apparent exceedance of the H2S Action Limit. However, this value occurred at the upwind monitor, and was not related to site activities, and therefore not an exceedance.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 9, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind/Upwind (g)	**Downwind**	**Upwind/Downwind (g)**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	120.9(b)	35.8(b)	(a)	82.3(b)
6:30	138.1	37.2	100.5(b)	87.6
7:00	153.9	41.9	122.2	121.0
7:30	**170.6(e)**	46.6	91.3	116.4
8:00	**167.3(e)**	44.0	90.5	114.5
8:30	**146.1(e)**	44.5	92.7	102.6
9:00	111.6(f)	46.9	102.3	99.3
9:30	111.1(f)	62.9	115.6	111.9
10:00	96.4(f)	70.6	114.9	98.1
10:30	79.8(f)	60.4	109.3	85.9
11:00	79.0(f)	61.1	110.1	84.0
11:30	77.0(f)	65.4	112.8	81.9
12:00	76.9(f)	66.9	112.8	82.5
12:30	77.3	48.2	107.8	101.0
13:00	74.7	53.5	102.8	81.8
13:30	71.2	23.4	96.0	74.7
14:00	56.7	28.4	80.2	62.0
14:30	57.1	28.9	78.6	58.8
15:00	74.7	31.9	79.9	65.4
15:30	55.6	27.8	73.2	57.4
16:00	57.7	28.2	72.1	59.5
16:30	62.1	34.3	73.1	62.3
17:00	60.2	47.8	72.5	58.9
17:30	58.4(b)	63.9(b)	72.3	43.5
18:00	(c)	(c)	81.9(b)	0.3(b)
Daily Average	**142.5**	**46.1**	**94.8**	**82.8**
Sampler Start Time	5:49 AM	5:53 AM	6:03 AM	5:47 AM
Sampler End Time	17:24 PM	17:29 PM	17:35 PM	17:32 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Southerly wind until 9:30 (DR3 upwind). Northerly wind from 9:31 to end time (DR1 upwind).

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An apparent exceedance of the action limit due to high humidity and possible malfunction of DR1, see comment (f) below.

(f) Readings from DR1 were questioned at the beginning of the day, because they seemed abnormally high. A spare D1 was set out to measure concurrent with DR1 to assess the DR1 readings. DR1 and D1 monitored in unison from 8:35 to 11:48. Data from the spare showed that DR1 was in fact reading high. As a result data from the start of sampling until 8:35 is from DR1 and data after 8:35 is from the spare D1.

(g) Wind shifted from the south to the north at approximately 9:30 am. Monitors were not relocated following the wind direction switch.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, June 10, 2004**

1) Exceedances:
There were 8 exceedances of the Particulate Matter Action Limit at DR3. They are as follows:

Averaging Period	Downwind (ug/m3)	Upwind (ug/m3)	Difference (ug/m3)
6:31 - 7:00	68.7	11.1	57.6
7:01 - 7:30	196.7	7.3	189.4
9:31 - 10:00	80.1	3	77.1
10:01 - 10:30	116.2	3.3	112.9
10:31 - 11:00	77.5	2.8	74.7
11:31 - 12:00	62.3	2.6	59.7
12:01 - 12:30	97.1	3.1	94
12:31 - 1:00	58.7	4.3	54.4

The exceedances are related to trucks blowing cement and mixing in open cell in close proximity (within 50 feet) to Station 3.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 60.6 °F

Average wind speed: 3.25 meters/second

Predominant wind direction: North

5) Site Activity:
Start Time: 7:00 AM (Began applying cement at 6:30 am)

Stop Time: 4:30 PM

Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
DR4 experienced a Source 1 failure and was replaced with a spare at 9:17 AM. The data from the initial DR4 monitor was inadvertently erased during troubleshooting of an error message on the equipment. The values used for this report for the times prior to 9:17 AM are based on the values recorded on the field data sheets for the averaging periods in which they occurred.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 10, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.017(b)	0.284(b)	0.130(b)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	0.005(b)	0.313(b)	0.136(b)	0.014	2.532	0.192
7:00	0.000	0.010	0.000	0.000(b)	0.000(b)	0.000(b)	0.000	0.376	0.115	0.000	2.323	0.444
7:15	0.000	0.003	0.000	0.000	0.383	0.011	0.000	7.743	0.714	0.218	2.641	0.940
7:30	0.000	0.000	0.000	0.000	0.217	0.022	0.178	4.341	1.305	0.349	2.447	0.945
7:45	0.000	0.012	0.000	0.000	0.304	0.174	0.002	2.766	0.489	0.353	1.759	0.858
8:00	0.000	0.014	0.000	0.184	0.404	0.253	0.000	1.909	0.523	0.379	2.320	0.831
8:15	0.000	0.017	0.000	0.195	0.286	0.233	0.000	1.283	0.280	0.358	2.073	0.854
8:30	0.000	0.022	0.000	0.138	1.294	0.422	0.063	1.334	0.618	0.471	2.297	0.963
8:45	0.000	0.015	0.000	0.091	2.369	0.461	0.077	1.182	0.488	0.532	2.080	0.990
9:00	0.000	0.008	0.000	0.012	1.153	0.170	0.101	1.607	0.631	0.419	3.779	1.054
9:15	0.000	0.016	0.000	0.000	1.556	0.084	0.026	1.514	0.582	0.469(d)	1.585(d)	0.842(d)
9:30	0.000	0.006	0.000	0.000	1.397	0.111	0.014	5.363	0.871	0.529(d)	3.899(d)	1.528(d)
9:45	0.000	0.016	0.000	0.000	0.302	0.008	0.067	7.185	1.276	0.418	1.177	0.731
10:00	0.000	0.030	0.000	0.000	0.218	0.019	0.054	2.786	0.839	0.369	1.393	0.699
10:15	0.000	0.016	0.000	0.000	0.422	0.039	0.053	3.370	0.955	0.405	1.270	0.657
10:30	0.000	0.018	0.000	0.000	0.591	0.031	0.116	3.241	1.174	0.419	1.619	0.706
10:45	0.000	0.025	0.000	0.000	0.078	0.001	0.003	4.498	0.596	0.450	2.121	0.958
11:00	0.000	0.033	0.000	0.000	0.000	0.000	0.000	2.740	0.324	0.397	1.892	0.926
11:15	0.000	0.011	0.000	0.000	1.131	0.093	0.047	3.028	0.908	0.448	1.989	0.903
11:30	0.000	0.013	0.000	0.000	0.679	0.177	0.271	2.356	1.047	0.445	1.590	0.784
11:45	0.000	0.008	0.000	0.000	0.498	0.111	0.031	1.540	0.580	0.442	1.497	0.797
12:00	0.000	0.021	0.000	0.000	0.677	0.109	0.143	5.678	0.854	0.456	1.329	0.735
12:15	0.000	0.011	0.000	0.000	0.717	0.181	0.166	3.231	0.841	0.450	1.126	0.640
12:30	0.000	0.023	0.000	0.000	0.458	0.157	0.070	3.042	0.966	0.453	0.946	0.642
12:45	0.000	0.022	0.000	0.074	0.472	0.215	0.085	3.502	0.989	0.444	1.197	0.650
13:00	0.000	0.028	0.000	0.082	1.260	0.330	0.228	2.418	0.870	0.484	1.279	0.749
13:15	0.000	0.020	0.000	0.149	1.371	0.404	0.065	3.171	0.658	0.542	1.151	0.792
13:30	0.000	0.025	0.000	0.153	1.026	0.462	0.099	2.416	0.652	0.545	1.472	0.831
13:45	0.000	0.000	0.000	0.136	0.980	0.367	0.007	1.928	0.478	0.580	1.513	0.867
14:00	0.000	0.012	0.000	0.090	1.295	0.445	0.072	1.126	0.473	0.521	1.727	0.897
14:15	0.000	0.009	0.000	0.239	1.085	0.481	0.013	1.243	0.374	0.442	1.318	0.737
14:30	0.000	0.028	0.000	0.210	1.413	0.444	0.000	1.102	0.407	0.390	1.465	0.751

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 10, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
14:45	0.000	0.049	0.001	0.098	1.099	0.247	0.000	0.954	0.338	0.377	1.519	0.770
15:00	0.000	0.039	0.001	0.083	1.173	0.276	0.014	0.830	0.327	0.323	1.193	0.647
15:15	0.000	0.222	0.006	0.089	0.783	0.228	0.000	1.139	0.367	0.321	1.368	0.671
15:30	0.000	0.188	0.011	0.030	0.594	0.101	0.000(d)	0.642(d)	0.219(d)	0.226	1.465	0.618
15:45	0.000	0.025	0.001	0.014	0.802	0.171	0.000	0.849	0.308	0.215	1.501	0.537
16:00	0.000	0.036	0.001	0.019	0.842	0.151	0.000	0.884	0.270	0.152	1.797	0.628
16:15	0.000	0.026	0.000	0.009	1.424	0.345	0.069	1.156	0.423	0.118	2.650	0.574
16:30	0.000	0.120	0.002	0.007	1.068	0.219	0.026	0.767	0.365	0.288	4.155	1.110
16:45	0.000	0.028	0.000	0.000	0.426	0.056	0.000	0.869	0.272	0.209	2.858	0.965
17:00	0.000	0.009	0.000	0.000	0.381	0.073	0.000	0.672	0.210	0.168	2.849	0.884
17:15	0.000	0.020	0.000	0.005	0.377	0.128	0.000	0.595	0.272	0.249	3.630	1.106
17:30	0.000	0.000	0.000	0.000	0.146	0.014	0.000	0.677	0.262	0.241	2.361	0.819
17:45	0.000(b)	0.019(b)	0.001(b)	0.000(b)	0.040(b)	0.001(b)	0.000	0.560	0.189	0.239	2.132	0.772
18:00	(c)	(c)	(c)	(c)	(c)	(c)	0.017(b)	0.324(b)	0.121(b)	(c)	(c)	(c)
Daily Average	**0.001**			**0.186**			**0.584**			**0.788**		
Sampler Start Time	6:46 AM			6:55 AM			6:45 AM			6:30 AM		
Sampler End Time	17:32 AM			17:42 PM			17:47 PM			17:45 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 10, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		0.003(b)	0.012(b)	0.007(b)		0.003(b)	0.005(b)	0.004(b)	
7:00	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.002(b)	0.000(b)	0.000(b)	0.010	0.028	0.014	0.011(b)	0.004	0.011	0.007	0.006(b)
7:15	0.000	0.000	0.000		0.000	0.002	0.001		0.011	0.023	0.016		0.010	0.020	0.015	
7:30	0.000	0.000	0.000		0.000	0.002	0.001		0.025	0.042	0.034		0.012	0.018	0.015	
7:45	0.000	0.000	0.000		0.000	0.001	0.001		0.034	0.038	0.036		0.011	0.034	0.014	
8:00	0.000	0.000	0.000	0.000	0.000	0.002	0.001	0.001	0.030	0.035	0.032	0.029	0.008	0.012	0.010	0.014
8:15	0.000	0.000	0.000		0.000	0.002	0.001		0.028	0.030	0.029		0.007	0.012	0.009	
8:30	0.000	0.000	0.000		0.001	0.002	0.001		0.029	0.031	0.030		0.007	0.017	0.009	
8:45	0.000	0.000	0.000		0.000	0.002	0.001		0.029	0.03	0.030		0.005	0.015	0.009	
9:00	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.001	0.030	0.033	0.031	0.030	0.003	0.038	0.008	0.009
9:15	0.000	0.000	0.000		0.000	0.000	0.000		0.031	0.032	0.031		0.003	0.016	0.005	
9:30	0.000	0.000	0.000		0.000	0.000	0.000		0.029	0.043	0.035		0.002	0.016	0.004	
9:45	0.000	0.000	0.000		0.000	0.000	0.000		0.040	0.053	0.043		0.001	0.029	0.004	
10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.038	0.082	0.048	0.039	0.001	0.015	0.004	0.004
10:15	0.000	0.000	0.000		0.000	0.000	0.000		0.035	0.050	0.039		0.000	0.002	0.001	
10:30	0.000	0.000	0.000		0.000	0.000	0.000		0.033	0.070	0.041		0.000	0.001	0.000	
10:45	0.000	0.000	0.000		0.000	0.000	0.000		0.028	0.036	0.032		0.000	0.015	0.001	
11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.035	0.028	0.035	0.000	0.007	0.001	0.001
11:15	0.000	0.000	0.000		0.000	0.000	0.000		0.029	0.035	0.032		0.000	0.002	0.000	
11:30	0.000	0.000	0.000		0.000	0.000	0.000		0.032	0.035	0.033		0.000	0.005	0.000	
11:45	0.000	0.000	0.000		0.000	0.000	0.000		0.028	0.036	0.031		0.000	0.000	0.000	
12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.033	0.030	0.032	0.000	0.002	0.001	0.000
12:15	0.000	0.000	0.000		0.000	0.000	0.000		0.028	0.036	0.030		0.000	0.000	0.000	
12:30	0.000	0.000	0.000		0.000	0.000	0.000		0.026	0.036	0.029		0.000	0.000	0.000	
12:45	0.000	0.005	0.000		0.000	0.000	0.000		0.027	0.038	0.031		0.000	0.000	0.000	
13:00	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.032	0.030	0.030	0.000	0.000	0.000	0.000
13:15	0.000	0.000	0.000		0.000	0.000	0.000		0.025	0.032	0.026		0.000	0.000	0.000	
13:30	0.000	0.000	0.000		0.000	0.000	0.000		0.025	0.039	0.028		0.000	0.004	0.000	
13:45	0.000	0.000	0.000		0.000	0.000	0.000		0.025	0.027	0.026		0.000	0.000	0.000	
14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.027	0.025	0.026	0.000	0.008	0.001	0.000
14:15	0.000	0.000	0.000		0.000	0.000	0.000		0.022	0.027	0.023		0.000	0.000	0.000	
14:30	0.000	0.000	0.000		0.000	0.000	0.000		0.020	0.025	0.022		0.000	0.000	0.000	
14:45	0.000	0.000	0.000		0.000	0.000	0.000		0.019	0.022	0.020		0.000	0.000	0.000	
15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.021	0.020	0.021	0.000	0.030	0.003	0.001
15:15	0.000	0.000	0.000		0.000	0.000	0.000		0.018	0.024	0.020		0.000	0.000	0.000	
15:30	0.000	0.000	0.000		0.000	0.000	0.000		0.015	0.017	0.016		0.000	0.000	0.000	
15:45	0.000	0.000	0.000		0.000	0.000	0.000		0.014	0.019	0.016		0.000	0.000	0.000	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 10, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.018	0.015	0.017	0.000	0.010	0.001	0.000
16:15	0.000	0.000	0.000		0.000	0.000	0.000		0.014	0.016	0.015		0.000	0.000	0.000	
16:30	0.000	0.000	0.000		0.000	0.000	0.000		0.015	0.016	0.015		0.000	0.000	0.000	
16:45	0.000	0.000	0.000		0.000	0.000	0.000		0.014	0.016	0.015		0.000	0.000	0.000	
17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.015	0.014	0.015	0.000	0.000	0.000	0.000
17:15	0.000	0.000	0.000		0.000	0.000	0.000		0.013	0.014	0.013		0.000	0.000	0.000	
17:30	0.000	0.000	0.000		0.000	0.000	0.000		0.012	0.013	0.012		0.000	0.000	0.000	
17:45	0.000(b)	0.000(b)	0.000(b)		0.000(b)	0.000(b)	0.000(b)		0.011(b)	0.013(b)	0.012(b)		0.000	0.000	0.000	
18:00	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.013(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**				**0.000**				**0.026**				**0.003**			
Sampler Start Time	6:47 AM				6:54 AM				6:40 AM				6:33 AM			
Sampler End Time	5:32 PM				5:40 PM				5:43 PM				5:48 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 10, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	(a)	8.5(b)	69.8(b)(e)	(g)
6:30	16.3(b)	7.7	12.1	(g)
7:00	11.1	4.8	**68.7(f)**	(g)
7:30	7.3	0.0	**196.7(f)**	10.8(g)(7:33)
8:00	6.3	0.0	13.2	(g)
8:30	5.6	0.0	20.2	10.8(g)(8:13)
9:00	4.1	0.0	39.5	(g)
9:30	3.6	0.0	6.5	8.6(d)
10:00	3.0	0.0	**80.1(f)**	9.6
10:30	3.3	0.6	**116.2(f)**	11.0
11:00	2.8	0.2	**77.5(f)**	36.8
11:30	2.7	1.2	44.9	11.3
12:00	2.6	0.6	**62.3(f)**	9.9
12:30	3.1	0.0	**97.1(f)**	7.2
13:00	4.3	0.1	**58.7(f)**	9.6
13:30	4.8	0.1	19.8	10.0
14:00	4.8	0.4	35.0	9.4
14:30	3.5	0.3	9.1	7.9
15:00	4.4	0.0	7.7	8.0
15:30	5.0	0.0	7.3	7.9
16:00	3.8	0.0	6.4	9.5
16:30	2.8	0.0	5.0	8.6
17:00	2.8	0.1	5.0	7.5
17:30	2.8	0.0	4.2	5.8
18:00	2.9(b)	0.0(b)	3.5(b)	5.0(b)
Daily Average	**4.8**	**0.7**	**42.2**	**10.4**
Sampler Start Time	6:02 AM	5:59 AM	6:00 AM	5:50 AM
Sampler End Time	17:34 PM	17:42 PM	17:48 PM	17:47 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An appparent exceedance of the action limit. The value, however, is based on only one minute of data for the initial 30-minute period of monitoring for the day and there is no upwind value for comparison.

(f) An exceedance of the action limit due to trucks blowing cement and mixing in close proximity to Station 3.

(g) DR4 data was inadvertently erased during troubleshooting of an error message on the equipment. DR4 monitor was replaced with spare at 9:17 AM. Value indicated is a time weighted average for the day from the field data sheet.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: Friday, June 11, 2004

1) Exceedances:
There were 8 exceedances of the Particulate Matter Action Limit at DR3. They are as follows:

Averaging Period	Downwind (ug/m3)	Upwind (ug/m3)	Difference (ug/m3)
6:01 - 6:30	461	9.2	451.8
6:31 - 7:00	306.6	11.5	295.1
9:31 - 10:00	245.2	4.2	241
10:01 - 10:30	103.4	4.7	98.7
10:31 - 11:00	59.3	5.2	54.1
12:01 - 12:30	87.1	4.2	82.9
12:31 - 1:00	92.4	3.9	88.5
1:01 - 1:30	61.3	3.6	57.7

The exceedances are related to trucks blowing cement within 20 feet of Station 3, and work in open cell within 50 feet upwind from Station 3.

There were also two exceedances of the 15 minute TWA for VOC at Station 3. The first exceedance was a 15 minute TWA of 5.32 ppm during the 8:16 - 8:30 averaging period. The second was a 15-minute TWA of 5.58 ppm during the 8:31 - 8:45 averaging periods. These both exceeded the Action Level for VOC, which is a 15-minute TWA of 5 ppm. These exceedances were related to a vehicle idling next the Station 2.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document included using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 60 °F
Average wind speed: 3.6 meters/second
Predominant wind direction: North

5) Site Activity:
Start Time: 7:15 AM (Began applying cement at 6:00 am)
Stop Time: 3:15 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, June 11, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.000(b)	0.029(b)	0.002(b)	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	2.695(b)	0.258(b)
7:15	0.000	0.018	0.001	0.000(b)	0.014(b)	0.001(b)	0.000(b)	1.007(b)	0.266(b)	0.026	4.925	0.968
7:30	0.000	0.015	0.000	0.000	0.338	0.048	0.000	1.838	0.369	0.163	6.113	1.487
7:45	0.000	0.017	0.000	0.000	0.797	0.181	0.003	2.547	0.280	0.000	2.695	0.314
8:00	0.000	0.000	0.000	0.790	2.202	1.660	0.000	4.464	0.861	0.000	3.972	0.812
8:15	0.000	0.000	0.000	1.471	2.855	2.090	0.000	4.248	0.463	0.000	5.024	0.730
8:30	0.000	0.000	0.000	2.109	9.266	**5.320(e)**	0.000	2.691	0.500	0.000	2.048	0.384
8:45	0.000	0.012	0.000	3.688	8.880	**5.582(e)**	0.000	0.327	0.067	0.000	1.724	0.238
9:00	0.000	0.027	0.003	2.051	3.682	2.528	0.000	4.573	0.574	0.000	1.538	0.032
9:15	0.000	0.035	0.004	0.576	3.055	1.674	0.000	3.583	0.798	0.000	2.664	0.783
9:30	0.000	0.062	0.006	0.047	1.349	0.375	0.056	7.731	1.512	0.628	4.133	1.597
9:45	0.000	0.047	0.005	0.000	0.718	0.132	0.316	8.134	2.080	0.486	3.959	1.376
10:00	0.000	0.041	0.005	0.039	0.891	0.240	0.262	3.134	1.158	0.381	3.225	1.377
10:15	0.000	0.036	0.005	0.002	0.802	0.145	0.308	4.705	1.414	0.361	3.115	1.284
10:30	0.000	0.044	0.004	0.025	2.072	0.448	0.270	4.028	1.391	0.448	3.867	1.365
10:45	0.000	0.036	0.004	0.039	1.141	0.306	0.142	4.771	1.385	0.282	4.874	1.222
11:00	0.000	0.064	0.005	0.041	1.465	0.250	0.143	2.604	0.907	0.349	3.894	1.197
11:15	0.000	0.050	0.004	0.056	1.682	0.477	0.141	3.651	1.076	0.325	4.514	1.318
11:30	0.000	0.055	0.005	0.027	2.537	0.200	0.049	4.884	1.182	0.365	3.887	1.472
11:45	0.000	0.043	0.004	0.055	2.299	0.433	0.176	3.101	1.126	0.339	3.424	1.332
12:00	0.000	0.049	0.005	0.030	1.630	0.288	0.113	3.836	1.070	0.203	3.621	1.366
12:15	0.000	0.061	0.004	0.026	1.504	0.381	0.025	6.363	1.006	0.203	3.330	0.960
12:30	0.000	0.042	0.003	0.035	1.248	0.367	0.274	4.414	1.451	0.248	3.476	1.062
12:45	0.000	0.034	0.003	0.062	1.315	0.299	0.121	4.473	1.314	0.230	5.111	1.306
13:00	0.000	0.031	0.004	0.040	1.034	0.268	0.059	2.636	0.830	0.327	3.388	1.473
13:15	0.000	0.154	0.008	0.043	1.685	0.423	0.066	5.248	1.296	0.211	3.328	1.341
13:30	0.000	0.032	0.003	0.124	2.059	0.503	0.179	3.460	1.253	0.199	3.337	1.237
13:45	0.000	0.051	0.003	0.065	1.867	0.450	0.097	2.856	0.950	0.127	3.527	1.221
14:00	0.000	0.026	0.002	0.062	1.831	0.426	0.177	3.756	1.099	0.250	4.216	1.428
14:15	0.000	0.028	0.002	0.095	2.181	0.796	0.179	6.882	1.661	0.183	3.527	1.114
14:30	0.000	0.040	0.003	0.087	2.459	0.533	0.328	8.979	1.891	0.213	4.704	1.285
14:45	0.000	0.032	0.002	0.103	2.175	0.523	0.213	3.724	1.163	0.256	6.245	1.742

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, June 11, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.000	0.034	0.003	0.065	2.047	0.440	0.264	3.169	1.258	0.004	8.937	0.874
15:15	0.000	0.025	0.003	0.036	1.409	0.258	0.284	3.639	1.366	0.030	6.355	1.127
15:30	0.000	0.035	0.003	0.044	2.302	0.450	0.158	3.455	1.300	0.012	5.093	1.026
15:45	0.000	0.039	0.002	0.034	1.676	0.234	0.052	4.252	1.100	0.102	6.375	1.061
16:00	0.000	0.028	0.002	0.025(b)	0.426(b)	0.085(b)	0.214(b)	3.667(b)	1.315(b)	0.191(b)	7.446(b)	1.252(b)
16:15	0.000(b)	0.010(b)	0.002(b)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.003**			**0.813**			**1.087**			**1.095**		
Sampler Start Time	6:49 AM			7:05 AM			7:10 AM			6:49 AM		
Sampler End Time	16:01 PM			15:55 PM			15:54 PM			15:54 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to a vehicle idling next to Station 2.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, June 11, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	0.000(b)	0.003(b)	0.000(b)	0.000(b)	(a)	(a)	(a)	(a)	0.003(b)	0.012(b)	0.009(b)	0.009(b)	(a)	(a)	(a)	(a)
7:15	0.000	0.000	0.000		0.000(b)	0.001(b)	0.000(b)		0.006	0.030	0.014		0.003(b)	0.017(b)	0.005(b)	
7:30	0.000	0.000	0.000		0.000	0.000	0.000		0.028	0.053	0.039		0.002	0.011	0.004	
7:45	0.000	0.000	0.000		0.000	0.002	0.000		0.018	0.062	0.034		0.000	0.008	0.002	
8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000(b)	0.016	0.074	0.036	0.031	0.001	0.129	0.031	0.011(b)
8:15	0.000	0.000	0.000		0.000	0.000	0.000		0.022	0.037	0.029		0.002	0.060	0.013	
8:30	0.000	0.001	0.000		0.000	0.000	0.000		0.025	0.032	0.029		0.002	0.020	0.005	
8:45	0.000	0.000	0.000		0.000	0.000	0.000		0.017	0.025	0.021		0.000	0.003	0.002	
9:00	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.032	0.028	0.027	0.001	0.025	0.006	0.006
9:15	0.000	0.000	0.000		0.000	0.001	0.000		0.028	0.036	0.033		0.002	0.039	0.008	
9:30	0.000	0.000	0.000		0.000	0.001	0.000		0.033	0.044	0.039		0.001	0.010	0.004	
9:45	0.000	0.000	0.000		0.000	0.002	0.000		0.031	0.043	0.035		0.000	0.009	0.002	
10:00	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.030	0.039	0.035	0.035	0.000	0.001	0.000	0.004
10:15	0.000	0.000	0.000		0.000	0.000	0.000		0.035	0.044	0.037		0.000	0.000	0.000	
10:30	0.000	0.000	0.000		0.000	0.000	0.000		0.033	0.047	0.037		0.000	0.002	0.000	
10:45	0.000	0.000	0.000		0.000	0.000	0.000		0.029	0.042	0.033		0.000	0.011	0.001	
11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.033	0.029	0.034	0.000	0.000	0.000	0.000
11:15	0.000	0.000	0.000		0.000	0.000	0.000		0.026	0.037	0.029		0.000	0.000	0.000	
11:30	0.000	0.000	0.000		0.000	0.000	0.000		0.028	0.036	0.031		0.000	0.002	0.000	
11:45	0.000	0.000	0.000		0.000	0.000	0.000		0.024	0.032	0.027		0.000	0.000	0.000	
12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.038	0.029	0.029	0.000	0.000	0.000	0.000
12:15	0.000	0.000	0.000		0.000	0.000	0.000		0.020	0.025	0.022		0.000	0.008	0.001	
12:30	0.000	0.000	0.000		0.000	0.000	0.000		0.018	0.025	0.021		0.000	0.008	0.001	
12:45	0.000	0.000	0.000		0.000	0.000	0.000		0.017	0.024	0.021		0.000	0.000	0.000	
13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.026	0.022	0.000	0.000	0.000	0.000
13:15	0.000	0.000	0.000		0.000	0.000	0.000		0.019	0.027	0.022		0.000	0.000	0.000	
13:30	0.000	0.000	0.000		0.000	0.000	0.000		0.019	0.025	0.022		0.000	0.004	0.000	
13:45	0.000	0.000	0.000		0.000	0.000	0.000		0.018	0.035	0.023		0.000	0.000	0.000	
14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.054	0.030	0.024	0.000	0.000	0.000	0.000
14:15	0.000	0.000	0.000		0.000	0.000	0.000		0.018	0.062	0.025		0.000	0.014	0.001	
14:30	0.000	0.000	0.000		0.000	0.000	0.000		0.017	0.030	0.021		0.000	0.000	0.000	
14:45	0.000	0.001	0.000		0.000	0.000	0.000		0.020	0.034	0.025		0.000	0.000	0.000	
15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.036	0.023	0.024	0.000	0.000	0.000	0.000
15:15	0.000	0.000	0.000		0.000	0.000	0.000		0.011	0.026	0.014		0.000	0.000	0.000	
15:30	0.000	0.000	0.000		0.000	0.000	0.000		0.013	0.022	0.018		0.000	0.000	0.000	
15:45	0.000	0.000	0.000		0.000	0.000	0.000		0.011	0.018	0.014		0.000	0.000	0.000	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, June 11, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.000	0.000	0.000	0.000	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.014(b)	0.016(b)	0.015(b)	0.015(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)
16:15	0.000(b)	0.000(b)	0.000(b)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
16:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
16:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:00	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**				**0.000**				**0.027**				**0.002**			
Sampler Start Time	6:46 AM				7:03 AM				6:52 AM				7:06 AM			
Sampler End Time	4:01 PM				3:54 PM				3:57 PM				3:50 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, June 11, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	8.6(b)	(a)	(a)	(a)
6:30	9.2	2.4(b)	**461.0(b)(e)**	(a)
7:00	11.5	2.3	**306.6(e)**	22.2(b)
7:30	13.0	13.1	47.8	34.9
8:00	10.2	23.7	69.1	38.7
8:30	8.7	12.3	75.4	24.3
9:00	7.7	11.4	32.6	25.2
9:30	5.4	3.1	45.8	12.4
10:00	4.2	2.0	**245.2(e)**	10.8
10:30	4.7	3.5	**103.4(e)**	11.2
11:00	5.2	2.9	**59.3(e)**	11.3
11:30	5.2	0.8	14.1	14.5
12:00	4.1	0.3	14.6	21.4
12:30	4.2	0.1	**87.1(e)**	9.1
13:00	3.9	0.1	**92.4(e)**	15.5
13:30	3.6	1.1	**61.3(e)**	18.1
14:00	3.4	2.0	22.5	20.9
14:30	3.1	2.1	23.3	12.4
15:00	3.2	2.3	8.1	12.9
15:30	2.8	0.9	8.4	15.3
16:00	3.1	0.3(b)	6.4(b)	7.1(b)
16:30	2.7(b)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**5.8**	**4.4**	**86.1**	**17.7**
Sampler Start Time	5:58 AM	6:03 AM	6:07 AM	6:49 AM
Sampler End Time	16:02 PM	15:57 PM	15:55 PM	15:57 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to cement truck running and blowing in close proximity to the station. Open cell working 50 feet upwind of the station.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, June 14, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 71 °F
Average wind speed: 3.9 meters/second
Predominant wind direction: South

5) Site Activity:
Start Time: 6:45 AM (Began applying cement at 6:15 am)
Stop Time: 4:45 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
DR4 experienced a Source 1 error, and was switched out with a spare at 6:40. The transition was seamless and there was no gap in data.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, June 14, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.000(b)	0.017(b)	0.002(b)	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.000(b)	0.000(b)
7:00	0.000	0.101	0.009	(a)	(a)	(a)	0.000(b)	1.515(b)	0.181(b)	0.000	0.000	0.000
7:15	0.000	0.046	0.003	0.000(b)	0.725(b)	0.013(b)	0.000	0.410	0.079	0.000	0.157	0.003
7:30	0.000	0.033	0.004	0.000	0.645	0.036	0.000	5.419	0.131	0.000	0.230	0.007
7:45	0.000	0.231	0.013	0.000	0.395	0.038	0.000	1.150	0.098	0.000	0.180	0.008
8:00	0.000	0.171	0.021	0.000	0.381	0.056	0.000	5.292	1.042	0.000	0.236	0.009
8:15	0.000	0.329	0.039	0.022	0.746	0.198	0.000	0.337	0.055	0.000	0.277	0.012
8:30	0.000	0.183	0.032	0.117	0.644	0.293	0.000	2.115	0.072	0.000	0.235	0.012
8:45	0.000	0.115	0.020	0.295	0.967	0.470	0.000	0.201	0.042	0.000	0.270	0.010
9:00	0.000	0.193	0.045	0.473	1.196	0.781	0.000	0.695	0.038	0.000	0.370	0.016
9:15	0.000	0.057	0.005	1.076	1.832	1.403	0.000	0.444	0.017	0.000	0.237	0.009
9:30	0.000	0.079	0.007	1.552	1.881	1.708	0.000	0.728	0.039	0.000	0.179	0.008
9:45	0.000	0.087	0.005	0.918	1.750	1.242	0.000	0.450	0.019	0.000	0.190	0.008
10:00	0.000	0.037	0.004	0.851	1.177	0.992	0.000	0.130	0.020	0.000	0.208	0.009
10:15	0.000	0.223	0.031	0.784	1.175	0.905	0.000	1.401	0.063	0.000	0.445	0.021
10:30	0.000	0.160	0.028	0.488	1.132	0.689	0.000	3.145	0.113	0.000	0.299	0.017
10:45	0.000	0.235	0.036	0.383	1.211	0.489	0.000	0.210	0.056	0.000	0.223	0.011
11:00	0.000	0.150	0.031	0.371	0.845	0.509	0.000	3.499	0.120	0.000	0.233	0.010
11:15	0.000	0.225	0.064	0.338	1.018	0.468	0.000	0.646	0.072	0.000	0.283	0.018
11:30	0.000	0.204	0.041	0.299	0.794	0.387	0.000	1.109	0.077	0.000	0.228	0.011
11:45	0.000	0.205	0.028	0.327	0.685	0.466	0.000	1.754	0.110	0.000	0.229	0.011
12:00	0.000	0.166	0.024	0.232	0.764	0.339	0.000	7.020	0.268	0.000	0.234	0.011
12:15	0.000	0.105	0.012	0.242	0.513	0.329	0.000	0.281	0.070	0.000	0.232	0.005
12:30	0.000	0.129	0.019	0.216	0.447	0.304	0.000	3.257	0.091	0.000	0.221	0.008
12:45	0.000	0.067	0.009	0.172	0.388	0.222	0.000	9.688	0.754	0.000	0.203	0.009
13:00	0.000	0.195	0.026	0.153	0.593	0.259	0.000	2.728	0.233	0.000	0.277	0.009
13:15	0.000	0.215	0.031	0.121	0.670	0.235	0.000	5.934	0.290	0.000	0.313	0.015
13:30	0.000	0.225	0.020	0.115	0.739	0.206	0.000	0.375	0.077	0.000	0.311	0.008
13:45	0.000	0.093	0.012	0.073	0.674	0.148	0.000	3.755	0.266	0.000	0.302	0.009
14:00	0.000	0.213	0.012	0.065	2.073	0.237	0.000	5.334	0.673	0.000	0.248	0.009
14:15	0.000	0.256	0.021	0.078	1.149	0.229	0.000	4.755	0.778	0.000	0.307	0.017
14:30	0.000	0.283	0.020	0.049	0.481	0.129	0.000	2.272	0.263	0.000	0.188	0.016

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, June 14, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
14:45	0.000	0.180	0.013	0.057	0.584	0.167	0.000	0.939	0.110	0.000	0.054	0.001
15:00	0.000	0.382	0.023	0.075	0.626	0.178	0.000	0.718	0.105	0.000	0.250	0.008
15:15	0.000	0.190	0.036	0.103	0.693	0.200	0.000	0.842	0.119	0.000	0.309	0.036
15:30	0.000	0.056	0.004	0.087	0.555	0.183	0.000	1.883	0.250	0.000	0.163	0.005
15:45	0.000	0.150	0.022	0.094	1.227	0.217	0.000	2.030	0.243	0.000	0.023	0.001
16:00	0.000	0.153	0.012	0.062	0.906	0.155	0.000	2.317	0.399	0.000	0.087	0.025
16:15	0.000	0.105	0.008	0.038	0.435	0.085	0.000	0.873	0.132	0.004	0.116	0.047
16:30	0.000	0.176	0.016	0.042	0.642	0.164	0.000	1.231	0.137	0.043	0.181	0.074
16:45	0.000	0.232	0.018	0.061	0.313	0.107	0.000	1.507	0.181	0.045	0.275	0.103
17:00	0.000	0.051	0.005	0.090	0.487	0.214	0.000	0.287	0.090	0.031	0.169	0.059
17:15	0.000(b)	0.091(b)	0.009(b)	0.095	0.464	0.184	0.000	0.288	0.084	0.028(b)	0.151(b)	0.067(b)
17:30	(c)	(c)	(c)	0.149(b)	0.334(b)	0.220(b)	0.000(b)	0.256(b)	0.088(b)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.020**			**0.382**			**0.190**			**0.018**		
Sampler Start Time	6:45 AM			7:03 AM			6:55 AM			6:42 AM		
Sampler End Time	17:14 PM			17:18 PM			17:26 PM			17:13 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, June 14, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	0.000(b)	0.000(b)	0.000(b)		(a)	(a)	(a)		(a)	(a)	(a)		0.004(b)	0.005(b)	0.005(b)	
7:00	0.000	0.000	0.000	0.000(b)	(a)	(a)	(a)	(a)	0.004(b)	0.008(b)	0.006(b)	0.006(b)	0.004	0.020	0.007	0.006(b)
7:15	0.000	0.000	0.000		0.003	0.007	0.005		0.008	0.010	0.009		0.004	0.011	0.006	
7:30	0.000	0.000	0.000		0.002	0.007	0.004		0.008	0.010	0.009		0.004	0.007	0.005	
7:45	0.000	0.000	0.000		0.002	0.004	0.003		0.008	0.016	0.010		0.004	0.009	0.005	
8:00	0.000	0.000	0.000	0.000	0.002	0.007	0.003	0.004	0.016	0.019	0.017	0.012	0.004	0.009	0.006	0.005
8:15	0.000	0.000	0.000		0.002	0.007	0.003		0.012	0.016	0.014		0.004	0.012	0.006	
8:30	0.000	0.000	0.000		0.001	0.003	0.002		0.011	0.013	0.012		0.004	0.020	0.006	
8:45	0.000	0.000	0.000		0.000	0.004	0.002		0.008	0.012	0.010		0.003	0.007	0.005	
9:00	0.000	0.000	0.000	0.000	0.000	0.002	0.001	0.002	0.008	0.010	0.009	0.011	0.002	0.006	0.004	0.005
9:15	0.000	0.000	0.000		0.000	0.006	0.001		0.007	0.009	0.008		0.002	0.005	0.003	
9:30	0.000	0.000	0.000		0.000	0.005	0.002		0.007	0.009	0.007		0.002	0.005	0.003	
9:45	0.000	0.000	0.000		0.000	0.012	0.003		0.007	0.007	0.007		0.002	0.009	0.004	
10:00	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.001	0.006	0.008	0.007	0.007	0.003	0.005	0.004	0.003
10:15	0.000	0.000	0.000		0.000	0.001	0.000		0.003	0.007	0.006		0.002	0.007	0.004	
10:30	0.000	0.000	0.000		0.000	0.002	0.000		0.002	0.007	0.005		0.002	0.021	0.006	
10:45	0.000	0.000	0.000		0.000	0.002	0.000		0.000	0.007	0.005		0.002	0.012	0.004	
11:00	0.000	0.000	0.000	0.000	0.000	0.002	0.001	0.000	0.002	0.007	0.005	0.005	0.002	0.007	0.004	0.004
11:15	0.000	0.000	0.000		0.000	0.011	0.002		0.000	0.006	0.004		0.002	0.014	0.004	
11:30	0.000	0.000	0.000		0.000	0.003	0.000		0.004	0.008	0.005		0.001	0.009	0.003	
11:45	0.000	0.000	0.000		0.000	0.006	0.001		0.000	0.007	0.004		0.002	0.005	0.003	
12:00	0.000	0.000	0.000	0.000	0.000	0.002	0.001	0.001	0.000	0.009	0.004	0.004	0.002	0.006	0.003	0.004
12:15	0.000	0.000	0.000		0.000	0.001	0.000		0.006	0.007	0.006		0.002	0.004	0.003	
12:30	0.000	0.000	0.000		0.000	0.001	0.000		0.005	0.007	0.006		0.002	0.007	0.004	
12:45	0.000	0.000	0.000		0.000	0.001	0.000		0.004	0.008	0.006		0.002	0.012	0.005	
13:00	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.005	0.008	0.006	0.006	0.002	0.014	0.006	0.004
13:15	0.000	0.000	0.000		0.000	0.007	0.001		0.002	0.007	0.005		0.002	0.004	0.003	
13:30	0.000	0.000	0.000		0.000	0.002	0.001		0.003	0.008	0.006		0.002	0.004	0.003	
13:45	0.000	0.000	0.000		0.000	0.004	0.001		0.006	0.011	0.007		0.002	0.004	0.003	
14:00	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.001	0.003	0.027	0.010	0.007	0.002	0.005	0.003	0.003
14:15	0.000	0.000	0.000		0.000	0.002	0.000		0.010	0.015	0.012		0.003	0.005	0.004	
14:30	0.000	0.000	0.000		0.000	0.002	0.000		0.010	0.012	0.011		0.003	0.005	0.004	
14:45	0.000	0.000	0.000		0.000	0.002	0.000		0.008	0.011	0.009		0.002	0.005	0.004	
15:00	0.000	0.000	0.000	0.000	0.000	0.002	0.001	0.000	0.003	0.009	0.007	0.010	0.002	0.010	0.004	0.004
15:15	0.000	0.000	0.000		0.000	0.001	0.000		0.003	0.008	0.007		0.002	0.005	0.003	
15:30	0.000	0.000	0.000		0.000	0.004	0.000		0.002	0.017	0.006		0.002	0.006	0.003	
15:45	0.000	0.000	0.000		0.000	0.004	0.001		0.004	0.010	0.007		0.003	0.004	0.004	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, June 14, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.006	0.009	0.007	0.007	0.003	0.005	0.004	0.003
16:15	0.000	0.000	0.000		0.000	0.001	0.000		0.003	0.008	0.007		0.003	0.008	0.005	
16:30	0.000	0.000	0.000		0.000	0.002	0.000		0.007	0.007	0.007		0.003	0.006	0.005	
16:45	0.000	0.000	0.000		0.000	0.002	0.000		0.006	0.008	0.007		0.002	0.007	0.004	
17:00	0.000	0.000	0.000	0.000	0.000	0.010	0.002	0.001	0.006	0.008	0.007	0.007	0.002	0.007	0.004	0.004
17:15	0.000(b)	0.000(b)	0.000(b)		0.000	0.002	0.000		0.005	0.007	0.006		0.003(b)	0.005(b)	0.004(b)	
17:30	(c)	(c)	(c)		0.000(b)	0.000(b)	0.000(b)		0.006(b)	0.007(b)	0.007(b)		(c)	(c)	(c)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.006(b)	(c)	(c)	(c)	0.004(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**				**0.001**				**0.008**				**0.004**			
Sampler Start Time	6:45 AM				7:01 AM				6:54 AM				6:35 AM			
Sampler End Time	5:14 PM				5:16 PM				5:21 PM				5:12 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, June 14, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4 (e)**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	45.8(b)	(a)	(a)	(a)
6:30	28.6	1.9(b)	15.3(b)	14.5(b)
7:00	23.7	6.4	30.5	18.6
7:30	23.0	14.4	32.8	25.1
8:00	50.0	17.1	**109.17 9f)**	69.4
8:30	50.5	14.2	37.8	73.6
9:00	34.9	11.2	17.5	46.3
9:30	24.1	9.6	19.0	19.6
10:00	27.8	9.9	19.6	22.1
10:30	29.7	5.5	20.7	28.9
11:00	38.6	6.0	24.0	38.9
11:30	42.9	18.4	24.0	41.7
12:00	44.7	16.8	49.0	36.1
12:30	43.1	15.2	40.8	31.9
13:00	42.7	18.3	63.5	36.3
13:30	38.7	13.4	29.1	28.5
14:00	39.2	11.8	**104.25 (f)**	31.1
14:30	40.6	14.9	40.9	48.1
15:00	38.7	18.5	28.3	38.3
15:30	48.8	18.2	46.4	32.9
16:00	44.4	14.7	36.4	30.9
16:30	45.4	17.4	36.4	34.8
17:00	49.0	17.0	36.0	35.4
17:30	50.0(b)	11.2(b)	35.7(b)	37.4(b)
18:00	(c)	(c)	(c)	(c)
Daily Average	**38.9**	**13.2**	**39.2**	**14.3**
Sampler Start Time	5:56 AM	6:02 AM	6:07 AM	6:04 AM
Sampler End Time	17:14 PM	17:18 PM	17:26 PM	17:11 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) DR4 experienced a Source 1 error, and was switched out with a spare at 6:40. The transition was seamless and there was no gap in data.

(f) While these are higher particulate numbers, they are not exceedances, as the wind was from the south, making Station 3 the upwind monitor, and site work was occurring very close to Station 3.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, June 15, 2004**

1) Exceedances:
There were 11 exceedances of the Particulate Matter Action Level. They were as follows:

Averaging Period	Downwind (ug/m3)	Upwind (ug/m3)	Difference	Cause
8:31 - 9:00 (DR3)	142	24.8	117.2	Bulldozer grading road between lagoons, close to monitor. Dust suppression methods in place.
9:01 - 9:30 (DR3)	171.5	20.3	151.2	Bulldozer grading road between lagoons, close to monitor. Dust suppression methods in place.
9:31 - 10:00 (DR3)	195.7	18.3	177.4	Bulldozer grading road between lagoons, close to monitor. Dust suppression methods in place.
10:01 - 10:30 (DR3)	105.4	17.5	87.9	Bulldozer grading road between lagoons, close to monitor. Dust suppression methods in place.
10:31 - 11:00 (DR3)	100.6	19.5	81.1	Bulldozer grading road between lagoons, close to monitor. Dust suppression methods in place.
11:01 - 1130 (DR3)	82.3	21.5	60.8	Bulldozer grading road between lagoons, close to monitor. Dust suppression methods in place.
11:31 - 12:00 (DR3)	76.9	17	59.9	Dust emissions from lifting a cement hood.
1:31 - 2:00 (DR3)	197.4	19.1	178.3	Dust created by vehicles transporting excavated stabilized material in close proximity to monitor.
2:01 - 2:30 (DR3)	186.5	15.9	170.6	Dust created by vehicles transporting excavated stabilized material in close proximity to monitor.
2:01 - 2:30 (DR4)	83.1	15.9	67.2	Dust created by vehicles transporting excavated stabilized material in close proximity to monitor.
2:31 - 3:00 (DR3)	86.5	14.8	71.7	Dust created by vehicles transporting excavated stabilized material in close proximity to monitor.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 78°F
Average wind speed: 4.67 meters/second
Predominant wind direction: North

5) Site Activity:
Start Time: 7:00 AM (Began applying cement at 6:30 am)
Stop Time: 4:30 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:

Station 2 was relocated at approximately 7:00 am, due to excavation in the location of the monitor. The access road to Station 2 was excavated and the road was relocated to the new Monitor 2 location.
A bulldozer was working to grade the road between the lagoons during the morning. Dust control measures were implemented, including application of water.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 15, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.000(b)	0.000(b)	0.000(b)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.000	0.000	0.000	0.025(b)	0.484(b)	0.219(b)	0.000(b)	6.536(b)	1.084(b)	0.000(b)	1.470(b)	0.370(b)
7:15	0.000	0.000	0.000	0.487	1.680	1.091	0.021	8.272	1.209	0.094	5.215	0.886
7:30	0.000	0.087	0.001	0.606	1.124	0.795	0.015	5.877	1.049	0.189	7.354	0.933
7:45	0.000	0.016	0.000	0.530	3.827	0.670	0.011	7.948	1.247	0.365	7.121	1.012
8:00	0.000	0.001	0.000	0.470	1.493	0.672	0.067	5.248	1.175	0.420	5.655	1.192
8:15	0.000	0.048	0.002	0.492	1.132	0.685	0.000	8.200	0.867	0.556	3.205	0.997
8:30	0.000	0.042	0.002	0.106	1.196	0.326	0.109	5.585	1.127	0.645	6.019	1.312
8:45	0.000	0.026	0.001	0.054	0.930	0.179	0.151	3.964	0.978	0.659	4.612	1.619
9:00	0.000	0.017	0.000	0.033	0.805	0.104	0.033	3.746	0.839	0.758	5.063	1.412
9:15	0.000	0.000	0.000	0.071	1.842	0.419	0.110	5.475	1.169	0.914	3.337	1.419
9:30	0.000	0.014	0.000	0.055	0.590	0.177	0.108	3.661	1.017	1.026	4.219	1.515
9:45	0.000	0.005	0.000	0.027	0.551	0.123	0.050	2.546	0.756	0.868	5.274	1.791
10:00	0.000	0.000	0.000	0.013	1.308	0.221	0.095	5.669	1.354	0.869	7.179	1.687
10:15	0.000	0.000	0.000	0.048	1.438	0.293	0.144	5.588	1.093	0.879	6.828	1.618
10:30	0.000	0.000	0.000	0.070	1.193	0.410	0.215	3.472	1.089	0.840(d)	4.308(d)	1.632(d)
10:45	0.000	0.066	0.004	0.054	1.119	0.290	0.093(d)	3.573(d)	0.935(d)	0.722(d)	4.951(d)	1.520(d)
11:00	0.000	0.014	0.000	0.032	2.541	0.397	0.081(d)	4.108(d)	1.040(d)	0.560	5.363	1.467
11:15	0.000	0.049	0.001	0.100	3.352	0.860	0.156	3.511	1.184	0.553	7.342	1.708
11:30	0.000	0.023	0.000	0.047	1.446	0.194	0.164	2.989	1.163	0.610	7.921	1.753
11:45	0.000	0.000	0.000	0.079	2.862	0.513	0.152	4.346	1.106	0.603	7.452	1.713
12:00	0.000	0.000	0.000	0.105	3.313	0.726	0.063	2.385	0.824	0.561	7.608	1.810
12:15	0.000	0.044	0.001	0.073	2.717	0.392	0.069	2.263	0.814	0.529	4.319	1.531
12:30	0.000	0.002	0.000	0.088	3.622	0.948	0.019	2.696	0.822	0.421	3.159	1.109
12:45	0.000	0.000	0.000	0.111	2.579	0.822	0.033	2.114	0.604	0.418	5.878	1.603
13:00	0.000	0.000	0.000	0.142	1.944	0.749	0.150	2.257	0.788	0.331	6.910	1.303
13:15	0.000	0.000	0.000	0.088	2.535	0.708	0.106	2.476	0.726	0.346	4.725	1.154
13:30	0.000	0.002	0.000	0.093	3.881	0.889	0.029	2.372	0.668	0.351	4.913	1.296
13:45	0.000	0.005	0.000	0.059	3.040	0.635	0.040	2.210	0.956	0.349(d)	4.435(d)	0.929(d)
14:00	0.000	0.065	0.001	0.053	2.776	0.296	0.000	2.116	0.717	0.267(d)	4.443(d)	1.288(d)
14:15	0.000	0.029	0.000	0.045	3.586	0.509	0.050	2.928	0.729	0.174	2.825	0.597
14:30	0.000	0.002	0.000	0.074	2.416	0.550	0.041	2.397	0.761	0.239	4.433	1.029

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 15, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
14:45	0.000	0.002	0.000	0.065	3.014	0.418	0.021	2.331	0.575	0.214	5.901	1.422
15:00	0.000	0.000	0.000	0.054	2.733	0.516	0.059	2.190	0.735	0.180	5.334	1.045
15:15	0.000	0.003	0.000	0.087	4.288	0.820	0.024	2.143	0.524	0.191	4.159	0.817
15:30	0.000	0.000	0.000	0.125	3.391	0.959	0.043	2.661	0.638	0.158	4.138	0.792
15:45	0.000	0.026	0.000	0.053	2.424	0.443	0.025	3.516	0.613	0.216	4.153	1.116
16:00	0.000	0.000	0.000	0.032	1.912	0.244	0.052	3.581	0.702	0.165	3.019	0.805
16:15	0.000	0.000	0.000	0.174	2.835	0.730	0.078	3.661	0.678	0.168	4.233	0.953
16:30	0.000	0.130	0.003	0.053	2.754	0.517	0.103	2.291	0.681	0.196	4.564	1.118
16:45	0.000	0.000	0.000	0.022	2.986	0.224	0.000	2.958	0.435	0.146	3.275	0.705
17:00	0.000	0.048	0.000	0.011	1.307	0.108	0.000	2.577	0.334	0.138	3.614	0.831
17:15	0.000	0.000	0.000	0.044	0.974	0.195	0.037	3.704	0.755	0.084	2.348	0.341
17:30	(c)	(c)	(c)	0.019(b)	0.322(b)	0.055(b)	0.041	6.547	1.195	0.072(b)	1.968(b)	0.586(b)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	0.000(b)	2.426(b)	0.676(b)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**			**0.498**			**0.875**			**1.225**		
Sampler Start Time	6:38 AM			6:50 AM			6:48 AM			6:57 AM		
Sampler End Time	17:15 PM			17:21 PM			17:34 PM			17:21 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 15, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	0.000(b)	0.000(b)	0.000(b)		(a)	(a)	(a)		0.008(b)	0.011(b)	0.010(b)		(a)	(a)	(a)	
7:00	0.000	0.003	0.000	0.000(b)	0.002(b)	0.004(b)	0.003(b)	0.003(b)	0.008	0.034	0.019	0.014(b)	0.015(b)	0.021(b)	0.019(b)	0.019(b)
7:15	0.000	0.000	0.000		0.002	0.004	0.003		0.026	0.043	0.032		0.011	0.016	0.013	
7:30	0.000	0.000	0.000		0.002	0.004	0.003		0.032	0.038	0.035		0.010	0.016	0.013	
7:45	0.000	0.000	0.000		0.002	0.004	0.003		0.031	0.053	0.036		0.008	0.014	0.011	
8:00	0.000	0.000	0.000	0.000	0.002	0.004	0.003	0.003	0.032	0.047	0.036	0.035	0.007	0.014	0.010	0.012
8:15	0.000	0.000	0.000		0.000	0.003	0.002		0.029	0.041	0.035		0.006	0.016	0.009	
8:30	0.000	0.000	0.000		0.000	0.003	0.001		0.033	0.038	0.035		0.005	0.022	0.008	
8:45	0.000	0.000	0.000		0.000	0.003	0.002		0.031	0.039	0.034		0.004	0.009	0.006	
9:00	0.000	0.000	0.000	0.000	0.001	0.003	0.002	0.002	0.027	0.033	0.030	0.034	0.003	0.011	0.006	0.007
9:15	0.000	0.000	0.000		0.001	0.003	0.002		0.027	0.035	0.029		0.003	0.013	0.006	
9:30	0.000	0.000	0.000		0.000	0.003	0.002		0.025	0.034	0.027		0.002	0.007	0.003	
9:45	0.000	0.000	0.000		0.000	0.002	0.001		0.023	0.031	0.026		0.002	0.013	0.004	
10:00	0.000	0.000	0.000	0.000	0.000	0.003	0.002	0.002	0.023	0.028	0.025	0.027	0.000	0.023	0.005	0.005
10:15	0.000	0.000	0.000		0.002	0.002	0.002		0.022	0.031	0.025		0.000	0.005	0.001	
10:30	0.000	0.000	0.000		0.000	0.002	0.002		0.022	0.033	0.024		0.000	0.018	0.004	
10:45	0.000	0.000	0.000		0.000	0.002	0.001		0.013	0.025	0.022		0.000	0.007	0.002	
11:00	0.000	0.000	0.000	0.000	0.000	0.002	0.001	0.001	0.019	0.026	0.022	0.023	0.000	0.032	0.005	0.003
11:15	0.000	0.000	0.000		0.000	0.001	0.000		0.020	0.040	0.024		0.000	0.020	0.002	
11:30	0.000	0.000	0.000		0.000	0.000	0.000		0.018	0.030	0.024		0.000	0.001	0.000	
11:45	0.000	0.000	0.000		0.000	0.000	0.000		0.018	0.029	0.021		0.000	0.002	0.000	
12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.025	0.020	0.022	0.000	0.024	0.002	0.001
12:15	0.000	0.000	0.000		0.000	0.000	0.000		0.015	0.022	0.018		0.000	0.000	0.000	
12:30	0.000	0.000	0.000		0.000	0.000	0.000		0.015	0.019	0.017		0.000	0.000	0.000	
12:45	0.000	0.000	0.000		0.000	0.000	0.000		0.001	0.019	0.011		0.000	0.000	0.000	
13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.011	0.015	0.000	0.021	0.003	0.001
13:15	0.000	0.000	0.000		0.000	0.000	0.000		0.008	0.016	0.013		0.000	0.007	0.001	
13:30	0.000	0.000	0.000		0.000	0.000	0.000		0.012	0.017	0.014		0.000	0.005	0.001	
13:45	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.026	0.012		0.000	0.010	0.001	
14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.021	0.013	0.013	0.000	0.004	0.000	0.001
14:15	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.020	0.008		0.000	0.001	0.000	
14:30	0.000	0.000	0.000		0.000	0.000	0.000		0.008	0.015	0.011		0.000	0.012	0.003	
14:45	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.015	0.009		0.000	0.012	0.002	
15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.015	0.010	0.010	0.000	0.003	0.000	0.001
15:15	0.000	0.000	0.000		0.000	0.000	0.000		0.007	0.016	0.010		0.000	0.037	0.003	
15:30	0.000	0.000	0.000		0.000	0.000	0.000		0.008	0.014	0.010		0.000	0.012	0.003	
15:45	0.000	0.000	0.000		0.000	0.000	0.000		0.006	0.014	0.009		0.000	0.005	0.001	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 15, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downwind				Downwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.014	0.010	0.010	0.000	0.006	0.001	0.002
16:15	0.000	0.000	0.000		0.000	0.000	0.000		0.008	0.016	0.010		0.000	0.009	0.002	
16:30	0.000	0.000	0.000		0.000	0.000	0.000		0.006	0.013	0.009		0.000	0.018	0.002	
16:45	0.000	0.000	0.000		0.000	0.000	0.000		0.007	0.017	0.008		0.000	0.000	0.000	
17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.009	0.008	0.009	0.000	0.000	0.000	0.001
17:15	0.000(b)	0.000(b)	0.000(b)		0.000	0.000	0.000		0.008	0.009	0.008		0.000	0.000	0.000	
17:30	(c)	(c)	(c)		0.000(b)	0.000(b)	0.000(b)		0.008	0.009	0.009		0.000(b)	0.002(b)	0.000(b)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.008(b)	(c)	(c)	(c)	0.000(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**				**0.001**				**0.019**				**0.003**			
Sampler Start Time	6:38 AM				6:47 AM				6:43 AM				6:56 AM			
Sampler End Time	5:14 PM				5:19 PM				5:30 PM				5:26 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 15, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	(a)	(a)	(a)	36.3(b)
6:30	54.0(b)	24.4(b)	44.0(b)	35.8
7:00	55.1	20.2	58.8	44.6
7:30	42.8	19.1	62.1	35.9
8:00	31.4	13.4	52.9	34.0
8:30	27.0	12.6	45.0	28.8
9:00	24.8	10.7	**142.0(e)**	31.6
9:30	20.3	9.4	**171.5(e)**	21.1
10:00	18.3	3.8	**195.7(e)**	21.1
10:30	17.5	3.4	**105.4(e)**	25.4
11:00	19.5	4.1	**100.6(e)**	29.0
11:30	21.5	4.5	**82.3(e)**	29.1
12:00	17.0	4.2	**76.9(f)**	33.1
12:30	16.6	3.3	36.4	17.9
13:00	16.0	2.9	43.9	34.4
13:30	15.4	3.7	63.7	39.5
14:00	19.1	3.4	**197.4(g)**	41.0
14:30	15.9	3.6	**186.5(g)**	**83.1(g)**
15:00	14.8	3.9	**86.5(g)**	50.0
15:30	14.4	3.7	53.7	44.3
16:00	14.8	2.9	60.1	34.9
16:30	22.9	2.8	57.9	30.8
17:00	15.4	2.5	20.3	24.9
17:30	16.1(b)	3.3(b)	48.5	21.1(b)
18:00	(c)	(c)	28.5(b)	(c)
Daily Average	**23.0**	**7.2**	**86.4**	**34.5**
Sampler Start Time	6:05 AM	6:04 AM	6:04 AM	5:57 AM
Sampler End Time	17:16 PM	17:22 PM	17:35 PM	17:25 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to road grading and equipment operating nearby. A bulldozer was grading the road between the lagoons, and caused dust emissions. Dust suppressions methods in place, including application of water.

(f) An exceedance of the action limit due to large plume of dust created from lifting a hood.

(g) An exceedance of the action limit due to dust created by vehicle traffic in the work zone. Trucks transporting excavated stabilized material in close proximity to monitors.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, June 16, 2004**

1) Exceedances:
There were two exceedances of the Particulate Matter Action Limit during the 8:01 - 8:30 pm, and 3:31 - 4:00 pm averaging periods. The 30 minute TWA for the 8:01 - 8:30 period at DR4, a downwind monitor, was 85.6 ug/m3. The upwind monitor 30 minute TWA for this same period was 33.2 ug/m3. This represents a difference of 52.4 ug/m3, which exceeds the 30 minute TWA Action Limit (downwind monitor greater than 52 ug/m3 above upwind monitor). For the period of 3:31-4:00 pm at DR3, the average was 79.1 ug/m3. The upwind monitor 30 minute TWA for the same period was 9.6 ug/m3. This represents a difference of 69.5 ug/m3, which also exceeds the Action Limit. The exceedance at DR4 is likely related to the fact that the Particulate Matter monitor used at Station 4 for the day was a DR2000 particulate monitor which has an inherent sensitivity to moisture, and is not capable of correcting for relative humidity. The exceeedance at DR3 was related to dust generated by a vehicle.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 72.1 °F
Average wind speed: 1.87 meters/second
Predominant wind direction: North

5) Site Activity:

Start Time:	7:00 AM (Began applying cement at 6:30 am)
Stop Time:	4:45 PM
Description:	Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
There was an apparent exceedance at DR4 for the 6:01 - 6:30 am averaging period. The downwind value at DR4 was 333.5 ug/m3 and the upwind value was 41.3 ug/m3. The downwind value, however, is based on only the first three minutes of data for the day. The value is not representative of ambient conditions and is likely related to high relative humidity. The monitor used for the day was a DR2000 particulate monitor which has an inherent sensitivity to moisture, and is not capable of correcting for relative humidity. The DR4000, which is typically used for Particulate Sampling and which has a relative humidity correction, experienced a Source 1 error and was not used for sampling.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 16, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	0.105(b)	0.351(b)	0.227(b)	0.000(b)	0.348(b)	0.042(b)
7:00	0.000(b)	0.010(b)	0.000(b)	0.178(b)	1.342(b)	0.515(b)	0.000	0.424	0.122	0.000	0.344	0.025
7:15	0.000	0.017	0.000	1.322	3.368	2.304	0.000	0.197	0.041	0.000	0.327	0.046
7:30	0.000	0.000	0.000	2.608	3.334	2.845	0.000	0.130	0.006	0.000	0.292	0.061
7:45	0.000	0.000	0.000	2.119	3.124	2.519	0.000	0.000	0.000	0.000	0.438	0.099
8:00	0.000	0.000	0.000	1.088	2.293	1.915	0.000	0.000	0.000	0.000	0.410	0.146
8:15	0.000	0.000	0.000	0.267	1.079	0.508	0.000	0.000	0.000	0.000	0.487	0.232
8:30	0.000	0.000	0.000	0.116	0.463	0.204	0.000	0.000	0.000	0.022	0.654	0.293
8:45	0.000	0.204	0.033	0.089	0.202	0.143	0.000	0.000	0.000	0.016	0.570	0.337
9:00	0.000	0.130	0.008	0.106	0.685	0.232	0.000	0.029	0.000	0.011	0.599	0.322
9:15	0.000	0.044	0.003	0.050	0.500	0.114	0.000	0.996	0.113	0.000	0.457	0.159
9:30	0.000	0.017	0.000	0.035	4.078	0.774	0.000	1.275	0.290	0.000	0.557	0.162
9:45	0.000	0.007	0.000	0.074	4.112	0.549	0.025	1.469	0.421	0.000	0.586	0.124
10:00	0.000	0.077	0.002	0.109	4.274	0.706	0.007	1.162	0.364	0.000	0.560	0.130
10:15	0.000	0.009	0.000	0.032	0.787	0.171	0.040	1.505	0.529	0.000	1.359	0.260
10:30	0.000	0.003	0.000	0.030	2.928	0.391	0.049	1.626	0.497	0.033	1.839	0.496
10:45	0.000	0.002	0.000	0.034	1.938	0.197	0.036	3.065	0.572	0.083	1.197	0.383
11:00	0.000	0.008	0.000	0.064	6.430	0.601	0.008	2.061	0.643	0.000	0.542	0.178
11:15	0.000	0.005	0.000	0.042	4.712	0.379	0.003	1.801	0.611	0.000	0.899	0.249
11:30	0.000	0.004	0.000	0.093	5.235	0.876	0.092	2.891	0.801	0.018	0.940	0.160
11:45	0.000	0.003	0.000	0.117	3.980	0.599	0.112	3.005	0.774	0.017	0.595	0.197
12:00	0.000	0.006	0.000	0.048	2.165	0.410	0.059	2.162	0.765	0.000	1.449	0.302
12:15	0.000	0.002	0.000	0.050	5.113	0.658	0.046	2.424	0.640	0.059	1.143	0.424
12:30	0.000	0.002	0.000	0.062	6.451	0.995	0.052	1.721	0.525	0.012	1.238	0.330
12:45	0.000	0.008	0.000	0.072	5.009	0.799	0.038	2.559	0.553	0.041	0.901	0.300
13:00	0.000	0.005	0.000	0.078	3.222	0.650	0.031	2.109	0.634	0.000	1.248	0.279
13:15	0.000	0.004	0.000	0.065	3.246	0.666	0.088	3.127	0.741	0.000	0.494	0.183
13:30	0.000	0.004	0.000	0.108	6.105	0.646	0.054	3.487	0.965	0.048	0.456	0.204
13:45	0.000	0.003	0.000	0.113	4.290	1.004	0.016	3.516	0.816	0.056	1.214	0.302
14:00	0.000	0.015	0.000	0.053	5.202	0.756	0.161	4.319	1.042	0.010	1.174	0.240
14:15	0.000	0.004	0.000	0.054	4.896	0.666	0.110	4.180	0.955	0.045	1.020	0.233
14:30	0.000	0.005	0.000	0.065	3.588	0.614	0.160	4.202	1.198	0.066	2.327	0.318

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 16, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
14:45	0.000	0.010	0.000	0.030	3.163	0.520	0.076	2.934	1.003	0.136	1.543	0.351
15:00	0.000	0.009	0.000	0.105	2.799	0.674	0.049	4.291	0.859	0.000	1.636	0.386
15:15	0.000	0.009	0.000	0.112	2.783	0.764	0.136	3.377	0.884	0.041	1.615	0.403
15:30	0.000	0.009	0.000	0.042	2.743	0.619	0.179	3.362	1.172	0.014	1.036	0.292
15:45	0.000	0.005	0.000	0.082	1.981	0.415	0.181	3.793	1.084	0.012	0.830	0.277
16:00	0.000	0.001	0.000	0.069	2.796	0.508	0.159	3.815	1.074	0.043	1.948	0.402
16:15	0.000	0.000	0.000	0.010	0.233	0.065	0.136	2.304	0.893	0.007	1.924	0.483
16:30	0.000	0.067	0.001	0.007	1.723	0.251	0.098	2.954	0.870	0.041	0.582	0.235
16:45	0.000	0.017	0.000	0.000	0.037	0.010	0.086	3.074	0.836	0.036	1.305	0.450
17:00	0.000	0.001	0.000	0.000	0.608	0.059	0.083	3.169	0.928	0.048	4.402	0.555
17:15	0.000	0.001	0.000	0.000	0.207	0.010	0.104	11.296	1.342	0.018	3.767	0.341
17:30	0.000(b)	0.005(b)	0.000(b)	0.000(b)	0.007(b)	0.001(b)	0.032	7.698	1.100	0.119	2.600	0.795
17:45	(c)	(c)	(c)	(c)	(c)	(c)	0.073(b)	0.601(b)	0.306(b)	0.741(b)	1.589(b)	1.014(b)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.001**			**0.666**			**0.618**			**0.280**		
Sampler Start Time	6:54 AM			6:47 AM			6:45 AM			6:35 AM		
Sampler End Time	17:18 PM			17:23 PM			17:32 PM			17:31 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 16, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downind				Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		0.001(b)	0.001(b)	0.001(b)		0.002(b)	0.011(b)	0.008(b)		0.000(b)	0.003(b)	0.001(b)	
7:00	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000	0.002	0.000	0.001(b)	0.010	0.011	0.011	0.009(b)	0.000	0.005	0.001	0.001(b)
7:15	0.000	0.002	0.000		0.000	0.002	0.000		0.008	0.011	0.010		0.000	0.002	0.001	
7:30	0.000	0.003	0.000		0.000	0.002	0.000		0.005	0.010	0.008		0.000	0.001	0.000	
7:45	0.000	0.001	0.000		0.000	0.000	0.000		0.007	0.008	0.008		0.000	0.002	0.001	
8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.008	0.006	0.008	0.000	0.002	0.001	0.001
8:15	0.000	0.000	0.000		0.000	0.003	0.001		0.005	0.008	0.006		0.001	0.002	0.002	
8:30	0.000	0.000	0.000		0.000	0.002	0.001		0.005	0.007	0.007		0.001	0.004	0.002	
8:45	0.000	0.000	0.000		0.000	0.002	0.001		0.005	0.008	0.007		0.002	0.004	0.003	
9:00	0.000	0.000	0.000	0.000	0.001	0.004	0.002	0.001	0.006	0.012	0.007	0.007	0.002	0.004	0.003	0.002
9:15	0.000	0.004	0.001		0.001	0.002	0.002		0.005	0.010	0.007		0.002	0.004	0.003	
9:30	0.000	0.004	0.000		0.000	0.002	0.001		0.009	0.012	0.010		0.003	0.007	0.004	
9:45	0.000	0.002	0.000		0.003	0.007	0.004		0.009	0.013	0.011		0.002	0.013	0.005	
10:00	0.000	0.009	0.001	0.001	0.000	0.004	0.002	0.002	0.011	0.015	0.012	0.010	0.003	0.009	0.005	0.004
10:15	0.000	0.001	0.000		0.001	0.002	0.002		0.012	0.019	0.014		0.003	0.017	0.007	
10:30	0.000	0.000	0.000		0.000	0.002	0.001		0.014	0.020	0.016		0.000	0.025	0.005	
10:45	0.000	0.000	0.000		0.000	0.002	0.000		0.015	0.018	0.016		0.000	0.022	0.004	
11:00	0.000	0.001	0.000	0.000	0.000	0.002	0.000	0.001	0.014	0.019	0.016	0.016	0.001	0.016	0.003	0.005
11:15	0.000	0.000	0.000		0.000	0.000	0.000		0.014	0.017	0.015		0.001	0.006	0.003	
11:30	0.000	0.000	0.000		0.000	0.000	0.000		0.014	0.031	0.017		0.002	0.010	0.004	
11:45	0.000	0.000	0.000		0.000	0.000	0.000		0.013	0.017	0.014		0.002	0.010	0.004	
12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.017	0.015	0.015	0.002	0.011	0.003	0.004
12:15	0.000	0.000	0.000		0.000	0.000	0.000		0.013	0.018	0.015		0.000	0.004	0.002	
12:30	0.000	0.000	0.000		0.000	0.000	0.000		0.013	0.016	0.014		0.000	0.003	0.001	
12:45	0.000	0.000	0.000		0.000	0.000	0.000		0.012	0.014	0.013		0.002	0.003	0.002	
13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.016	0.014	0.014	0.001	0.004	0.002	0.002
13:15	0.000	0.000	0.000		0.000	0.000	0.000		0.010	0.015	0.012		0.002	0.009	0.003	
13:30	0.000	0.000	0.000		0.000	0.000	0.000		0.011	0.015	0.012		0.002	0.005	0.004	
13:45	0.000	0.000	0.000		0.000	0.002	0.000		0.011	0.014	0.012		0.003	0.005	0.004	
14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.022	0.014	0.013	0.002	0.005	0.003	0.004
14:15	0.000	0.000	0.000		0.000	0.000	0.000		0.011	0.018	0.014		0.002	0.005	0.003	
14:30	0.000	0.000	0.000		0.000	0.000	0.000		0.012	0.036	0.017		0.002	0.007	0.004	
14:45	0.000	0.000	0.000		0.000	0.000	0.000		0.013	0.019	0.014		0.002	0.005	0.003	
15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.015	0.013	0.015	0.000	0.005	0.003	0.003
15:15	0.000	0.000	0.000		0.000	0.000	0.000		0.011	0.020	0.014		0.002	0.012	0.003	
15:30	0.000	0.000	0.000		0.000	0.000	0.000		0.011	0.018	0.013		0.002	0.007	0.004	
15:45	0.000	0.000	0.000		0.000	0.000	0.000		0.011	0.027	0.015		0.002	0.009	0.004	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 16, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind				Downind				Downwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.000	0.000	0.000	0.000	0.000	0.008	0.001	0.000	0.012	0.015	0.013	0.014	0.002	0.006	0.004	0.004
16:15	0.000	0.000	0.000		0.000	0.000	0.000		0.011	0.017	0.013		0.001	0.025	0.007	
16:30	0.000	0.000	0.000		0.000	0.000	0.000		0.010	0.015	0.012		0.003	0.013	0.005	
16:45	0.000	0.000	0.000		0.000	0.000	0.000		0.012	0.015	0.013		0.002	0.005	0.003	
17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.014	0.012	0.013	0.000	0.005	0.003	0.005
17:15	0.000	0.000	0.000		0.000	0.000	0.000		0.009	0.012	0.011		0.000	0.003	0.002	
17:30	0.000(b)	0.000(b)	0.000(b)		0.000(b)	0.001(b)	0.000(b)		0.011(b)	0.011(b)	0.011(b)		0.000	0.005	0.002	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.011(b)	(c)	(c)	(c)	0.002(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**				**0.000**				**0.012**				**0.003**			
Sampler Start Time	6:53 AM				6:45 AM				6:38 AM				6:32 AM			
Sampler End Time	5:17 PM				5:22 PM				5:27 PM				5:30 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 16, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	32.9(b)	(a)	(a)	(a)
6:30	41.3	10.5(b)	31.8(b)	333.5(f)
7:00	45.9	18.7	47.1	88.5
7:30	35.1	24.8	43.2	63.1
8:00	40.6	16.2	33.8	81.4
8:30	33.2	18.3	35.1	**85.6(g)**
9:00	33.3	16.2	32.0	60.2
9:30	18.5	10.0	23.7	19.1
10:00	13.5	6.3	16.2	19.9
10:30	12.8	6.7	27.2	26.2
11:00	12.5	6.2	29.9	24.3
11:30	10.1	4.7	21.6	24.2
12:00	9.0	3.5	32.4	28.6
12:30	12.3	3.1	33.8	31.6
13:00	10.0	2.4	23.8	30.9
13:30	10.1	1.2	46.3	18.5
14:00	12.9	3.0	51.8	23.6
14:30	9.8	3.5	58.2	23.1
15:00	9.8	4.2	25.4	22.2
15:30	9.0	4.1	38.8	23.9
16:00	9.6	4.1	**79.1(e)**	30.3
16:30	11.5	3.5	62.7	27.8
17:00	11.6	2.6	19.8	41.3
17:30	11.7(b)	2.4(b)	29.5	25.4
18:00	(c)	(c)	9.1(b)	(c)
Daily Average	**18.6**	**7.7**	**36.6**	**38.6**
Sampler Start Time	5:57 AM	6:08 AM	6:04 AM	6:28 AM
Sampler End Time	17:18 PM	17:24 PM	17:32 PM	17:30 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit caused by a dust plume from the technician's vehicle.

(f) An appparent exceedance of the action limit. The value, however, is based on only the first three minutes of data for the day. The value is not representative of ambient conditions and is likely related to heavy fog. The monitor used for the day was a DR2000 particulate monitor which has an inherent sensitivity to moisture, and is not capable of correcting for relative humidity. DR4000 had a Source 1 error.

(g) An apparent exceedance of the action limit likely caused by heavy morning fog. DR2000 used at Station 4, and the monitor does not correct for relative humidity. (see above)

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, June 17, 2004**

1) Exceedances:
There was one exceedance of the Particulate Matter Action Limit at Station 4 during the 2:01-2:30 averaging period. The 30 minute TWA for the this period at DR4, a downwind monitor, was 191.3 ug/m3. The upwind monitor 30 minute TWA for the same period was 13.7 ug/m3, which represents a difference of 177.6 ug/m3, and is an exceedance of the 30 minute TWA Action Limit (downwind monitor greater than 52 ug/m3 above upwind monitor). The exceedance appears to be related to a cement truck which was being fixed near the station. A cement line blew and created a cloud of dust.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 69 °F
Average wind speed: 0.6 meters/second
Predominant wind direction: South

5) Site Activity:
Start Time: 6:30 AM
Stop Time: 4:45 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 17, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA	Low	High	15-min TWA
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.278(b)	0.105(b)	0.000(b)	0.007(b)	0.000(b)
7:00	0.000(b)	0.382(b)	0.017(b)	0.000(b)	0.131(b)	0.041(b)	0.000	0.241	0.067	0.000	0.023	0.000
7:15	0.000	0.088	0.009	0.000	0.395	0.053	0.000	0.174	0.041	0.000	0.427	0.032
7:30	0.000	0.112	0.007	0.031	0.918	0.321	0.000	0.106	0.011	0.000	0.390	0.041
7:45	0.000(d)	0.036(d)	0.005(d)	0.633	3.533	1.996	0.000	0.012	0.000	0.000	0.380	0.040
8:00	(e)	(e)	(e)	3.224	4.531	3.980	0.000	0.000	0.000	0.006	0.480	0.091
8:15	(e)	(e)	(e)	3.304	3.796	3.534	0.000	0.000	0.000	0.007	0.565	0.177
8:30	(e)	(e)	(e)	3.521	4.259	3.921	0.000	0.000	0.000	0.006	0.630	0.267
8:45	0.000(d)	0.195(d)	0.078(d)	3.139	5.155	3.696	0.000	0.000	0.000	0.054	0.720	0.245
9:00	0.000	0.104	0.009	2.604(d)	3.599(d)	3.150(d)	0.000	0.000	0.000	0.031	0.783	0.350
9:15	0.000	0.115	0.009	2.516	4.205	3.147	0.000	0.000	0.000	0.095	0.790	0.356
9:30	0.000	0.023	0.000	2.187	2.675	2.422	0.000	0.000	0.000	0.000	0.682	0.290
9:45	0.000	0.077	0.003	2.355(d)	3.576(d)	2.754(d)	0.000	0.000	0.000	0.056	0.732	0.338
10:00	0.000	0.036	0.001	0.000(d)	0.000(d)	0.000(d)	0.000	0.000	0.000	0.226	1.018	0.684
10:15	0.000	0.023	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.392	1.132	0.801
10:30	0.000	0.064	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.058	1.080	0.581
10:45	0.000	0.077	0.003	0.000	0.000	0.000	0.000	0.247	0.003	0.000	0.633	0.181
11:00	0.000	0.029	0.001	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.497	0.167
11:15	0.000	0.040	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.070	5.520	0.880
11:30	0.000	0.090	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.265	2.108	0.950
11:45	0.000	0.075	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.104	0.661	0.355
12:00	0.000	0.088	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.622	0.308
12:15	0.000	0.073	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.124	0.728	0.343
12:30	0.000	0.066	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.670	0.326
12:45	0.000	0.090	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.808	0.381
13:00	0.000	0.127	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.064	0.669	0.385
13:15	0.000	0.545	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.139	1.048	0.458
13:30	0.000	0.081	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.287	1.044	0.662
13:45	0.000	0.034	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.290	1.286	0.846
14:00	0.000	0.034	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.629	1.509	1.079
14:15	0.000	0.346	0.028	0.000	0.000	0.000	0.000	0.000	0.000	0.141	1.091	0.497
14:30	0.000	0.051	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.284	1.063	0.747
14:45	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.390	1.201	0.793

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 17, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:00	0.000	0.616	0.072	0.000	0.000	0.000	0.000	0.000	0.000	0.346	1.475	0.859
15:15	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.477	1.372	0.916
15:30	0.000	0.097	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.376	1.254	0.831
15:45	0.000	0.026	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.240	0.822	0.475
16:00	0.000	0.103	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.119	0.743	0.406
16:15	0.000	0.129	0.006	0.000	0.000	0.000	0.000(b)	0.000(b)	0.000(b)	0.070	0.720	0.361
16:30	0.000	0.116	0.009	0.000	0.000	0.000	(c)	(c)	(c)	0.064	0.794	0.446
16:45	0.000	0.100	0.005	0.000	0.000	0.000	(c)	(c)	(c)	0.026	0.812	0.462
17:00	0.000	0.802	0.043	0.000	0.000	0.000	(c)	(c)	(c)	0.103	1.372	0.667
17:15	0.026	1.191	0.219	0.000	0.000	0.000	(c)	(c)	(c)	0.528	1.358	0.989
17:30	0.072(b)	0.338(b)	0.175(b)	0.000(b)	0.000(b)	0.000(b)	(c)	(c)	(c)	0.543(b)	2.703(b)	1.397(b)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.016**			**0.688**			**0.004**			**0.492**		
Sampler Start Time	6:50 AM			6:57 AM			6:43 AM			6:44 AM		
Sampler End Time	17:20 PM			17:25 PM			16:01 PM			17:26 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) No data points available for this averaging period due to battery change.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 17, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	(a)	(a)	(a)		(a)	(a)	(a)		0.012(b)	0.021(b)	0.018(b)		(a)	(a)	(a)	
7:00	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	0.002(b)	0.001(b)	0.001(b)	0.015	0.019	0.017	0.017(b)	0.003	0.024	0.005	0.005(b)
7:15	0.000	0.000	0.000		0.000	0.002	0.000		0.011	0.014	0.013		0.003	0.019	0.005	
7:30	0.000	0.000	0.000		0.000	0.002	0.000		0.008	0.011	0.010		0.003	0.017	0.005	
7:45	0.000	0.000	0.000		0.000	0.001	0.000		0.006	0.008	0.007		0.002	0.004	0.003	
8:00	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.005	0.007	0.006	0.009	0.001	0.006	0.003	0.004
8:15	0.000	0.000	0.000		0.000	0.002	0.000		0.005	0.006	0.006		0.001	0.006	0.003	
8:30	0.000	0.000	0.000		0.000	0.001	0.000		0.004	0.006	0.005		0.002	0.007	0.003	
8:45	0.000	0.000	0.000		0.000	0.002	0.000		0.003	0.005	0.004		0.001	0.004	0.003	
9:00	0.000	0.000	0.000	0.000	0.000	0.006	0.001	0.000	0.000	0.004	0.003	0.005	0.001	0.005	0.002	0.003
9:15	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.004	0.002		0.002	0.006	0.003	
9:30	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.004	0.002		0.001	0.004	0.002	
9:45	0.000	0.000	0.000		0.000	0.002	0.000		0.000	0.002	0.000		0.000	0.003	0.002	
10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.001	0.000	0.002	0.001	0.002
10:15	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.009	0.002		0.001	0.002	0.001	
10:30	0.000	0.001	0.000		0.000	0.000	0.000		0.000	0.003	0.001		0.001	0.010	0.003	
10:45	0.000	0.003	0.000		0.000	0.006	0.001		0.001	0.004	0.003		0.002	0.004	0.003	
11:00	0.000	0.001	0.000	0.000	0.000	0.004	0.001	0.000	0.000	0.003	0.002	0.002	0.001	0.004	0.002	0.002
11:15	0.000	0.000	0.000		0.000	0.002	0.000		0.000	0.006	0.002		0.001	0.004	0.002	
11:30	0.000	0.000	0.000		0.000	0.001	0.000		0.000	0.004	0.002		0.002	0.004	0.003	
11:45	0.000	0.000	0.000		0.000	0.004	0.001		0.000	0.003	0.002		0.002	0.003	0.002	
12:00	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.003	0.001	0.002	0.002	0.009	0.003	0.002
12:15	0.000	0.001	0.000		0.000	0.000	0.000		0.000	0.007	0.003		0.002	0.003	0.002	
12:30	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.009	0.003		0.002	0.003	0.002	
12:45	0.000	0.004	0.000		0.000	0.000	0.000		0.000	0.001	0.000		0.001	0.003	0.002	
13:00	0.000	0.019	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.004	0.001	0.002	0.002	0.003	0.002	0.002
13:15	0.000	0.004	0.000		0.000	0.000	0.000		0.000	0.004	0.001		0.002	0.004	0.003	
13:30	0.000	0.000	0.000		0.000	0.001	0.000		0.000	0.003	0.001		0.002	0.005	0.003	
13:45	0.000	0.002	0.000		0.000	0.000	0.000		0.000	0.001	0.000		0.002	0.005	0.003	
14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.002	0.003
14:15	0.000	0.000	0.000		0.000	0.007	0.000		0.000	0.001	0.000		0.002	0.009	0.004	
14:30	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.001	0.000		0.002	0.012	0.003	
14:45	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000	0.000		0.002	0.008	0.003	
15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.002	0.007	0.003	0.003
15:15	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.003	0.001		0.001	0.003	0.002	
15:30	0.000	0.000	0.000		0.000	0.028	0.003		0.001	0.003	0.003		0.001	0.017	0.003	
15:45	0.000	0.000	0.000		0.000	0.001	0.000		0.000	0.003	0.001		0.001	0.005	0.002	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 17, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Downwind				Downwind				Upwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				ppm				ppm				ppm			
16:00	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.001	0.000	0.003	0.000	0.001	0.002	0.004	0.002	0.002
16:15	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.002	0.000		0.002	0.004	0.003	
16:30	0.000	0.000	0.000		0.000	0.001	0.000		0.000	0.003	0.001		0.002	0.010	0.005	
16:45	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.003	0.001		0.002	0.005	0.003	
17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.002	0.001	0.001	0.005	0.002	0.003
17:15	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.005	0.000		0.000	0.001	0.000	
17:30	0.000(b)	0.000(b)	0.000(b)		0.000(b)	0.000(b)	0.000(b)		0.000(b)	0.001(b)	0.000(b)		0.000(b)	0.005(b)	0.001(b)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	0.001(b)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**				**0.000**				**0.003**				**0.003**			
Sampler Start Time	6:52 AM				6:56 AM				6:38 AM				6:46 AM			
Sampler End Time	5:20 PM				5:22 PM				5:28 PM				5:24 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 17, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	51.1(b)	4.3(b)	16.1(b)	22.5(b)
7:00	40.4	7.1	16.0	23.8
7:30	39.0	11.8	17.1	34.9
8:00	39.6	8.9	16.4	23.4
8:30	30.9	5.9	19.0	24.0
9:00	33.3	10.2	19.6	30.5
9:30	27.6	10.3	18.0	21.4
10:00	31.9	8.7	18.6	28.8
10:30	31.8	8.1	21.4	35.5
11:00	34.0	10.3	23.9	31.6
11:30	30.9	8.2	28.1	30.4
12:00	28.2	8.3	21.3	22.3
12:30	34.2	7.4	22.4	22.3
13:00	34.4	8.0	19.1	21.8
13:30	39.3	6.0	18.0	33.5
14:00	39.0	5.9	14.1	30.4
14:30	36.8	6.9	13.7	**191.3(f)**
15:00	35.7	8.5	14.5	36.5
15:30	35.5	8.2(d)	18.4	39.3
16:00	34.7	(e)	17.1	24.4
16:30	33.9	(e)	12.7	24.1
17:00	29.4	19.5(d)	14.5	24.5
17:30	26.1(b)	19.5(b)	13.2	22.8(b)
18:00	(c)	(c)	14.3(b)	(c)
Daily Average	**34.5**	**8.2**	**18.0**	**35.0**
Sampler Start Time	6:15 AM	6:19 AM	6:09 AM	6:10 AM
Sampler End Time	17:20 PM	17:25 PM	17:34 PM	17:24 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) No data points available for this averaging period due to battery change.

(f) An exceedance of the action limit. A cement truck was being fixed near the station and the mechanic blew a cement line which created a cloud of dust.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, June 18, 2004**

1) Exceedances:
There were several apparent exceedances of the 15 minute TWA for VOC at Station 2. The apparent exceedances are as follows:

Averaging Period	VOC (ppm)
7:30	8.2
7:45	8.8
8:00	21.8
8:15	23.4
8:30	35.0
8:45	41.3
10:30	7.2

The Station 2 monitor was the only downwind monitor which was indicating an apparent exceedance. Stations 3 and 4 which are also downwind did not show exceedances. The ppbRAE VOC monitors can be sensitive to moisture. There was rain and very high humidity during the morning, with relative humidity levels as high as 90%. It appears that the humidity may have affected the readings. The Station 2 instrument display panel showed a lamp source error indicating that there was moisture or other contamination on the UV lamp. The Station 4 instrument display panel also indicated a lamp source error. The readings on the Station 4 instrument, however, were not above the reporting level. Field technicians took both instruments off-line, cleaned the lamps, recalibrated the instruments and re-installed the instruments in the field. The values returned to more normal ranges.

In addition, there was one exceedance of the Particulate Matter Action Limit at Station 4 during the 8:31-9:00 averaging period. The 30 minute TWA for the this period at DR4, a downwind monitor, was 95.3 ug/m3. The upwind monitor 30 minute TWA for the same period was 40.3 ug/m3, which represents a difference of 55.0 ug/m3, and is an exceedance of the 30 minute TWA Action Limit (downwind monitor greater than 52 ug/m3 above upwind monitor). The exceedance appears to be potentially due to relocation of the monitors following wind shift (see below). Also, the monitor used at DR4 was a DR2000, which has an inherent sensitivity to moisture.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 73 °F
Average wind speed: 1.5 meters/second
Predominant wind direction: South

5) Site Activity:
Start Time: 6:30 AM
Stop Time: 4:00 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
- A wind direction switch occurred at approximately 8:30 am with the wind switching from the north to the south. As a result the relative position of the monitors changed. Until the shift, Station 1 was the upwind monitor. After the switch, Station 3 was the upwind monitor. Monitors 2 and 4, the downwind monitors were relocated to reflect this switch in wind direction.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, June 18, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind/Downwind			Downwind			Downwind/Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.006(b)	0.068(b)	0.041(b)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.000	0.034	0.001	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.000(b)	0.000(b)
7:15	0.000	0.015	0.000	0.013(b)	6.136(b)	2.220(b)	0.000(b)	0.398(b)	0.026(b)	0.000	0.038	0.004
7:30	0.000	0.000	0.000	6.182	9.668	**8.188(f)**	0.000	0.000	0.000	0.034	0.345	0.172
7:45	0.000	0.913	0.043	6.896	14.113	**8.786(f)**	0.000	0.000	0.000	0.347	0.839	0.560
8:00	0.000	0.000	0.000	14.065	28.308	**21.790(f)**	0.000	0.000	0.000	0.839	1.556	1.170
8:15	0.000	0.000	0.000	20.522	28.376	**23.360(f)**	0.000	0.000	0.000	1.555	2.663	2.002
8:30	0.000	0.000	0.000	28.360	41.270	**35.023(f)**	0.000	0.000	0.000	2.666(d)	3.328(d)	3.088(d)
8:45	0.000	0.000	0.000	40.750(d)	41.630(d)	**41.268(d)(f)**	0.000	0.000	0.000	(e)	(e)	(e)
9:00	0.000	0.000	0.000	(e)	(e)	(e)	0.000	0.000	0.000	(e)	(e)	(e)
9:15	0.000	0.000	0.000	(e)	(e)	(e)	0.000	0.000	0.000	(e)	(e)	(e)
9:30	0.000	0.000	0.000	(e)	(e)	(e)	0.000	0.000	0.000	(e)	(e)	(e)
9:45	0.000	0.000	0.000	(e)	(e)	(e)	0.000	0.000	0.000	(e)	(e)	(e)
10:00	0.000	0.000	0.000	(e)	(e)	(e)	0.000	0.000	0.000	0.000(d)	0.051(d)	0.012(d)
10:15	0.000	0.017	0.000	0.195(d)	6.247(d)	1.903(d)	0.000	0.000	0.000	0.000	0.003	0.000
10:30	0.000	0.010	0.000	3.999	16.818	**7.199**	0.000	0.000	0.000	0.000	0.021	0.001
10:45	0.000	0.023	0.001	2.349	6.250	3.959	0.000	0.000	0.000	0.000	0.091	0.037
11:00	0.000	0.021	0.002	1.075	3.314	2.126	0.000	0.061	0.003	0.064	0.146	0.107
11:15	0.000	0.040	0.002	0.960	1.761	1.223	0.000	0.142	0.013	0.118	0.168	0.141
11:30	0.000	0.031	0.002	0.846	1.793	1.226	0.000	0.121	0.016	0.160	0.195	0.178
11:45	0.000	0.034	0.002	0.796	1.555	1.088	0.000	0.112	0.020	0.183	0.261	0.205
12:00	0.000	0.031	0.002	0.743	1.426	0.974	0.000	0.120	0.025	0.212	0.232	0.220
12:15	0.000	0.035	0.005	0.726	1.252	0.972	0.000	0.121	0.028	0.208	0.306	0.251
12:30	0.000	0.041	0.005	0.311	0.987	0.642	0.000	0.189	0.033	0.300	0.422	0.367
12:45	0.000	0.047	0.002	0.201	0.385	0.283	0.000	0.180	0.037	0.379	0.432	0.404
13:00	0.000	0.038	0.004	0.193	0.541	0.282	0.000	0.394	0.049	0.338	0.403	0.371
13:15	0.000	0.130	0.008	0.354	0.623	0.470	0.000	0.172	0.039	0.296	0.355	0.315
13:30	0.000	0.133	0.005	0.431	0.937	0.727	0.000	0.184	0.040	0.267	0.309	0.284
13:45	0.000	0.037	0.002	0.605	2.442	0.854	0.000	0.180	0.037	0.291	0.356	0.316
14:00	0.000	0.050	0.007	1.432	5.514	3.427	0.000	0.121	0.021	0.349	0.415	0.384
14:15	0.000	0.020	0.002	0.834	1.670	1.170	0.000	0.745	0.046	0.401	0.456	0.439
14:30	0.000	0.037	0.002	0.855	1.983	1.300	0.000	1.173	0.140	0.433	0.477	0.452
14:45	0.000	0.033	0.003	0.974	2.263	1.573	0.000	0.516	0.025	0.450	0.494	0.476
15:00	0.000	0.032	0.002	0.782	2.455	1.221	0.000	0.101	0.018	0.442	0.525	0.475
15:15	0.000	0.025	0.002	0.643	0.992	0.767	0.000	0.138	0.024	0.518	0.649	0.590

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, June 18, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations											
	V1			V2			V3			V4		
	Upwind/Downwind			Downwind			Downwind/Upwind			Downwind		
Time of Day	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**	**Low**	**High**	**15-min TWA**
	ppm			ppm			ppm			ppm		
15:30	0.000	0.012	0.000	0.591	1.019	0.735	0.000	2.262	0.278	0.638	0.671	0.649
15:45	0.000	0.015	0.001	0.770	1.711	1.132	0.000	1.064	0.290	0.659	0.717	0.679
16:00	0.000	0.040	0.001	0.635	1.377	0.948	0.000	0.546	0.064	0.714	1.142	0.855
16:15	0.000	0.022	0.001	0.432	0.806	0.570	0.000	0.418	0.046	1.141	1.462	1.376
16:30	0.000	0.017	0.001	0.440	0.903	0.640	0.000(b)	0.799(b)	0.078(b)	1.331(b)	1.918(b)	1.500(b)
16:45	(c)	(c)	(c)	0.383(b)	0.603(b)	0.451(b)	(c)	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.003**			**4.655**			**0.037**			**0.508**		
Sampler Start Time	6:45 AM			7:05 AM			7:02 AM			6:53 AM		
Sampler End Time	16:30 PM			16:33 PM			16:28 PM			16:28 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

DR1 was upwind and DR3 was downwind until approximately 8:30. DR2 and DR4 were moved at this time due to change in wind direction.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, lens cleaning, or instrument malfunction.

(e) No data points available for this averaging period due to monitor shutdown for lens cleaning.

(f) An exceedance of the action limit. The ppbRAE VOC monitor is sensitive to moisture. There was very high humidity during the morning, with levels as high as 90%, which may have affected the readings.

(g) A wind direction switch occurred at approximately 8:30 am with the wind switching from the north to the south. As a result the relative position of the monitors changed. Until the shift, Station 1 was the upwind monitor. After the switch, Station 3 was the upwind monitor. Monitors 2 and 4, the downwind monitors were relocated to reflect this switch in wind direction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, June 18, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind/Downwind				Downwind				Upwind/Downwind				Downwind			
Time of Day	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA	Low	High	15-min TWA	1-hr TWA
	ppm				ppm				ppm				ppm			
6:15	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:30	(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
6:45	0.000	0.000	0.000		(a)	(a)	(a)		(a)	(a)	(a)		(a)	(a)	(a)	
7:00	0.000	0.000	0.000	0.000(b)	(a)	(a)	(a)	(a)	0.001(b)	0.002(b)	0.001(b)	0.001(b)	0.003(b)	0.003(b)	0.003(b)	0.003(b)
7:15	0.000	0.000	0.000		0.00(b)	0.002(b)	0.001(b)		0.000	0.003	0.002		0.002	0.005	0.003	
7:30	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.004	0.002		0.001	0.004	0.002	
7:45	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.001	0.000		0.000	0.003	0.001	
8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000(b)	0.000	0.001	0.000	0.001	0.000	0.003	0.002	0.002
8:15	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.002	0.000		0.000	0.003	0.001	
8:30	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.002	0.001		0.000(d)	0.005(d)	0.001(d)	
8:45	0.000	0.000	0.000		0.000(d)	0.000(d)	0.000(d)		0	0.003	0.001		0.001	0.003	0.002	
9:00	0.000	0.000	0.000	0.000	0.000(d)	0.002(d)	0.001(d)	0.00(d)	0.001	0.003	0.002	0.001	0.001	0.004	0.002	0.002(d)
9:15	0.000	0.000	0.000		0.000	0.001	0.000		0.001	0.003	0.002		0.002	0.006	0.003	
9:30	0.000	0.000	0.000		0.000	0.000	0.000		0.002	0.003	0.002		0.001	0.004	0.002	
9:45	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.003	0.001		0.002	0.005	0.003	
10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.001	0.002	0.002	0.005	0.003	0.003
10:15	0.000	0.000	0.000		0.000	0.002	0.001		0.000	0.030	0.004		0.002	0.007	0.004	
10:30	0.000	0.000	0.000		0.000	0.002	0.001		0.000	0.004	0.001		0.003	0.005	0.004	
10:45	0.000	0.000	0.000		0.000	0.002	0.001		0.000	0.007	0.004		0.003	0.006	0.004	
11:00	0.000	0.000	0.000	0.000	0.000	0.003	0.001	0.001	0.000	0.006	0.004	0.003	0.004	0.009	0.005	0.004
11:15	0.000	0.000	0.000		0.000	0.002	0.001		0.001	0.006	0.004		0.004	0.016	0.005	
11:30	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.005	0.004		0.004	0.006	0.005	
11:45	0.000	0.000	0.000		0.000	0.002	0.001		0.001	0.006	0.004		0.004	0.006	0.005	
12:00	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.001	0.000	0.005	0.003	0.004	0.004	0.010	0.006	0.005
12:15	0.000	0.000	0.000		0.001	0.002	0.001		0.002	0.005	0.004		0.004	0.008	0.006	
12:30	0.000	0.000	0.000		0.001	0.003	0.002		0.003	0.006	0.005		0.004	0.006	0.005	
12:45	0.000	0.000	0.000		0.002	0.003	0.002		0.003	0.008	0.005		0.004	0.007	0.006	
13:00	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.002	0.000	0.010	0.004	0.005	0.004	0.009	0.006	0.006
13:15	0.000	0.000	0.000		0.000	0.009	0.002		0.000	0.010	0.004		0.004	0.007	0.005	
13:30	0.000	0.000	0.000		0.000	0.002	0.001		0.000	0.006	0.002		0.004	0.010	0.006	
13:45	0.000	0.000	0.000		0.000	0.002	0.001		0.000	0.011	0.001		0.004	0.005	0.005	
14:00	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.001	0.000	0.006	0.001	0.002	0.004	0.006	0.005	0.005
14:15	0.000	0.000	0.000		0.000	0.001	0.000		0.000	0.006	0.002		0.004	0.006	0.004	
14:30	0.000	0.000	0.000		0.000	0.002	0.000		0.000	0.010	0.002		0.004	0.005	0.004	
14:45	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.005	0.001		0.004	0.009	0.005	
15:00	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.004	0.002	0.002	0.004	0.005	0.005	0.005
15:15	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.005	0.003		0.004	0.005	0.005	
15:30	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.006	0.004		0.003	0.005	0.005	
15:45	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.007	0.004		0.003	0.005	0.005	
16:00	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.006	0.004	0.004	0.005	0.006	0.005	0.005

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, June 18, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations															
	HS1				HS2				HS3				HS4			
	Upwind/Downwind				Downwind				Upwind/Downwind				Downwind			
Time of Day	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**	**Low**	**High**	**15-min TWA**	**1-hr TWA**
	ppm				**ppm**				**ppm**				**ppm**			
16:15	0.000	0.000	0.000		0.000	0.001	0.000		0.001	0.005	0.003		0.005	0.005	0.005	
16:30	0.000	0.000	0.000		0.000	0.001	0.000		0.003	0.005	0.004		0.005	0.005	0.005	
16:45	(c)	(c)	(c)		0.000	0.001	0.001		(c)	(c)	(c)		(c)	(c)	(c)	
17:00	(c)	(c)	(c)	0.000	(c)	(c)	(c)	0.000	(c)	(c)	(c)	0.003	(c)	(c)	(c)	0.005
17:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
17:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:30	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
18:45	(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)		(c)	(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**				**0.001**				**0.003**				**0.004**			
Sampler Start Time	6:45 AM				7:05 AM				6:57 AM				6:52 AM			
Sampler End Time	4:29 PM				4:32 PM				4:23 PM				4:27 PM			

Low value is the lowest 1-minute logged data in each 15-minute period
High value is the highest 1-minute logged data in each 15-minute period
15-minute TWA is calculated as an average of the 1-minute logged data
1-hour TWA is calculated as an average of the 1-minute logged data within the hour
Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.
(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.
(c) Monitoring was complete at this point for the day.
(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.
(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.
(f) Instrument was offline for regeneration of the sensor.

(g) A wind direction switch occurred at approximately 8:30 am with the wind switching from the north to the south. As a result the relative position of the monitors changed. Until the shift, Station 1 was the upwind monitor. After the switch, Station 3 was the upwind monitor. Monitors 2 and 4, the downwind monitors were relocated to reflect this switch in wind direction.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, June 18, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind/downwind (f)	**Downwind**	**Downwind/Upwind (f)**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	31.8(b)	(a)	24.9(b)	25.0(b)
7:00	33.4	(a)	24.8	24.8
7:30	31.7	0.4(b)	24.4	27.9
8:00	33.4	0.0	19.3	30.6
8:30	33.7	0.0	20.1	60.2
9:00	40.6	20.8	40.1	**95.3(e)**
9:30	33.2	13.3	30.2	77.8
10:00	30.2	10.5	28.5	76.0
10:30	31.1	11.5	26.3	40.9
11:00	28.1	9.0	22.2	27.4
11:30	36.1	10.7	39.5	35.6
12:00	32.8	6.5	25.4	33.3
12:30	33.9	3.0	24.2	35.7
13:00	38.1	8.2	25.9	32.8
13:30	41.1	8.3	29.0	38.8
14:00	43.2	6.7	31.6	36.9
14:30	44.6	6.4	39.9	35.0
15:00	56.6	9.4	36.2	43.9
15:30	57.2	10.0	42.9	39.8
16:00	62.9	10.8	50.6	39.2
16:30	68.3	13.8	45.8(b)	42.6(b)
17:00	(c)	9.6(b)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**40.4**	**8.5**	**31.3**	**43.3**
Sampler Start Time	6:21 AM	7:06 AM	6:23 AM	6:17 AM
Sampler End Time	16:30 PM	16:31 PM	16:28 PM	16:27 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

DR1 was upwind and DR3 was downwind until approximately 8:30. DR2 and DR4 were moved at this time due to change in wind direction.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit potentially due to relocation of the monitors following wind shift (see below). Also, the monitor used at DR4 was a DR2000, which has an inherent sensitivity to moisture.

(f) A wind direction switch occurred at approximately 8:30 am with the wind switching from the north to the south. As a result the relative position of the monitors changed. Until the shift, Station 1 was the upwind monitor. After the switch, Station 3 was the upwind monitor. Monitors 2 and 4, the downwind monitors were relocated to reflect this switch in wind direction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, June 21, 2004**

1) Exceedances:
There were five exceedances of the Particulate Matter Action Limit at Station 3. They were as follows:

Time Period	Downwind TWA (ug/m3)	Upwind TWA (ug/m3)	Difference (ug/m3)
8:01 - 8:30	88.7	14.6	74.1
8:31 - 9:00	175.2	12.5	162.7
10:01 - 10:30	69.7	8.6	61.1
11:01 - 11:30	74.1	9.2	64.9
11:31 - 12:00	93.1	9.5	83.6

The exceedances were due to excavation of stabilized sludge in close proximity to Station 3 and Volvos driving in lagoon.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 65.9 °F
Average wind speed: 2.3 meters/second
Predominant wind direction: NNE

5) Site Activity:
Start Time: 6:30 AM
Stop Time: 4:45 PM
Description: Stabilize sludge, excavate stabilized material, lagoon preparation

6) Other:

The datalogging frequency of the monitors was modified from the previous one-minute average recordings. The H2S monitors were adjusted to recording the average of the one-minute averages every five minutes. The VOC monitors were adjusted to record the one-minute average every fifteen minutes. The Particulate Matter monitors were adjusted to record every 30 minutes. Due to the variation of the start time of the monitors, the recorded values for the intervals do not always occur on the top of the hour (i.e., 1:00, 2:00) or the exact half hour (i.e., 1:30, 2:30) or the exact quarter hour (i.e., 1:45, 2:15). As a result, the recorded averages are reported for the time intervals that are closest to the recorded average.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, June 21, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.018	0.000	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.062	0.002	0.247	0.129	0.412	0.155	0.372	0.116
7:15	0.057	0.002	0.864	0.291	0.400	0.146	0.420	0.161
7:30	0.066	0.003	0.787	0.322	0.827	0.147	0.436	0.157
7:45	0.070	0.005	0.582	0.210	0.747	0.130	0.441	0.163
8:00	0.067	0.003	0.365	0.146	0.394	0.115	0.400	0.152
8:15	0.050	0.002	0.520	0.202	1.668	0.215	0.373	0.154
8:30	0.009	0.000	0.548	0.173	1.274	0.330	0.400	0.155
8:45	0.019	0.000	0.393	0.099	1.328	0.302	0.361	0.134
9:00	0.002	0.000	1.033	0.206	1.176	0.398	0.355	0.119
9:15	0.003	0.000	1.616	0.306	1.623	0.452	0.338	0.107
9:30	0.000	0.000	1.290	0.393	4.395	0.655	0.377	0.091
9:45	0.000	0.000	1.973	0.672	2.083	0.518	0.505	0.098
10:00	0.000	0.000	1.530	0.562	2.999	0.862	0.285	0.073
10:15	0.057	0.002	1.958	0.523	1.725	0.601	0.343	0.083
10:30	0.033	0.000	1.219	0.149	3.112	0.573	0.282	0.067
10:45	0.069	0.002	0.352	0.109	2.165	0.594	0.286	0.061
11:00	0.015	0.000	2.353	0.417	2.935	0.969	0.326	0.068
11:15	0.011	0.000	2.493	0.623	2.412	0.773	0.338	0.080
11:30	0.008	0.000	2.654	0.483	3.293	0.827	0.389	0.090
11:45	0.024	0.000	1.634	0.252	2.185	0.751	0.914	0.073
12:00	0.010	0.000	2.911	0.595	1.678	0.575	0.265	0.041
12:15	0.105	0.007	2.217	0.280	1.962	0.381	0.316	0.060
12:30	0.030	0.000	0.288	0.054	2.071	0.333	0.407	0.074
12:45	0.105	0.006	1.794	0.358	3.451	0.742	3.457	0.166
13:00	0.016	0.001	1.593	0.255	2.449	0.593	6.364	0.609
13:15	0.237	0.015	3.065	0.464	1.826	0.407	2.921	0.214
13:30	0.231	0.007	1.900	0.313	2.816	0.465	0.474	0.130
13:45	0.057	0.004	2.534	0.349	3.068	0.524	1.367	0.172
14:00	0.229	0.003	1.251	0.154	2.411	0.457	0.500	0.095
14:15	0.116	0.007	0.993	0.168	2.824	0.540	0.329	0.073
14:30	0.158	0.011	0.310	0.078	2.455	0.531	(e)	(e)

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, June 21, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
14:45	0.089	0.005	2.800	0.337	2.810	0.608	1.431	0.236
15:00	0.075	0.006	0.888	0.162	2.428	0.316	1.752	0.286
15:15	0.041	0.002	1.166	0.137	3.134	0.744	3.776	0.625
15:30	0.055	0.002	2.888	0.257	3.829	0.621	4.796	0.564
15:45	0.012	0.000	1.372	0.195	5.482	1.121	5.035	0.912
16:00	0.241	0.014	0.690	0.098	(e)	(e)	0.708	0.206
16:15	0.333	0.032	0.296	0.064	3.269	0.502	0.942	0.187
16:30	0.648	0.031	3.662	0.092	8.394	0.762	0.614	0.128
16:45	0.042	0.003	3.352	0.513	2.936	0.718	1.451	0.224
17:00	0.285	0.010	0.569	0.054	3.124	0.700	0.804	0.206
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.004**		**0.268**		**0.529**		**0.185**	
Sampler Start Time	6:32 AM		6:41 AM		6:48 AM		6:52 AM	
Sampler End Time	17:02 PM		17:11 PM		17:05 PM		17:09 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Recorded averages are to the nearest hour, half hour, or quarter hour

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) No data points for this averaging period due to instrument check.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, June 21, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS3		
	Upwind			Downwind			Downwind			Downwind		
Time of Day (g)	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	0.000(b)	0.000(b)		(a)	(a)		(a)	(a)		(a)	(a)	
7:00	0.003	0.001	0.001(b)	0.008(b)	0.003(b)	0.003(b)	0.004(b)	0.003(b)	0.003(b)	(a)	(a)	(a)
7:15	0.000	0.000		0.006	0.004		0.003	0.002		0.003(b)	0.002(b)	
7:30	0.000	0.000		0.012	0.006		0.003	0.001		0.003	0.002	
7:45	0.000	0.000		0.006	0.004		0.004	0.004		0.002	0.002	
8:00	0.006	0.002	0.001	0.010	0.006	0.005	0.005	0.002	0.002	0.005	0.003	0.002(b)
8:15	0.000	0.000		0.006	0.003		0.007	0.006		0.002	0.002	
8:30	0.003	0.002		0.004	0.002		0.010	0.007		0.003	0.003	
8:45	0.002	0.001		0.006	0.003		0.005	0.003		0.005	0.004	
9:00	0.000	0.000	0.001	0.013	0.006	0.004	0.011	0.010	0.006	0.005	0.005	0.003
9:15	0.001	0.000		0.004	0.003		0.011	0.010		0.006	0.005	
9:30	0.000	0.000		0.002	0.002		0.014	0.013		0.012	0.008	
9:45	0.000	0.000		0.007	0.004		0.029	0.016		0.009	0.007	
10:00	0.000	0.000	0.000	0.005	0.004	0.003	0.010	0.008	0.012	0.007	0.007	0.007
10:15	0.000	0.000		0.005	0.004		0.013	0.012		0.011	0.009	
10:30	0.000	0.000		0.004	0.003		0.012	0.012		0.007	0.007	
10:45	0.000	0.000		0.004	0.004		0.013	0.012		0.009	0.008	
11:00	0.000	0.000	0.000	0.004	0.004	0.004	0.017	0.014	0.013	0.012	0.009	0.008
11:15	0.000	0.000		0.009	0.006		0.026	0.019		0.012	0.010	
11:30	0.000	0.000		0.004	0.004		0.015	0.014		0.009	0.008	
11:45	0.000	0.000		0.004	0.003		0.014	0.013		0.010	0.009	
12:00	0.001	0.000	0.000	0.005	0.003	0.004	0.016	0.015	0.015	0.012	0.009	0.009
12:15	0.000	0.000		0.004	0.004		0.015	0.014		0.009	0.008	
12:30	0.000	0.000		0.004	0.004		0.016	0.014		0.009	0.008	
12:45	0.000	0.000		0.004	0.004		0.015	0.014		0.008	0.007	
13:00	0.000	0.000	0.000	0.006	0.005	0.004	0.017	0.016	0.015	0.012	0.009	0.008
13:15	0.000	0.000		0.004	0.004		0.017	0.016		0.010	0.009	
13:30	0.000	0.000		0.004	0.004		0.019	0.016		0.012	0.009	
13:45	0.000	0.000		0.009	0.005		0.017	0.017		0.013	0.010	
14:00	0.000	0.000	0.000	0.012	0.006	0.005	0.017	0.016	0.016	0.011	0.008	0.009
14:15	0.000	0.000		0.009	0.006		0.019	0.017		0.008	0.008	
14:30	0.000	0.000		0.012	0.006		0.017	0.017		0.009	0.008	
14:45	0.000	0.000		0.007	0.003		0.016	0.016		0.009	0.008	
15:00	0.000	0.000	0.000	0.002	0.001	0.004	0.016	0.016	0.016	0.017	0.012	0.009
15:15	0.000	0.000		0.003	0.002		0.016	0.014		0.013	0.009	
15:30	0.000	0.000		0.004	0.003		0.017	0.016		0.013	0.009	
15:45	0.000	0.000		0.005	0.003		0.018	0.016		0.017	0.011	
16:00	0.000	0.000	0.000	0.003	0.003	0.003	0.016	0.016	0.016	0.016	0.011	0.010
16:15	0.000	0.000		0.003	0.002		0.014	0.014		0.012	0.011	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, June 21, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS3		
	Upwind			Downwind			Downwind			Downwind		
Time of Day (g)	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:30	0.000	0.000		0.004	0.003		0.015	0.014		0.008	0.007	
16:45	0.000	0.000		0.002	0.001		0.015	0.014		0.007	0.007	
17:00	0.000	0.000	0.000	0.003	0.002	0.002	0.015	0.014	0.014	0.008	0.007	0.008
17:15	0.000	0.000		0.002	0.001		0.014	0.014		0.007	0.007	
17:30	0.000(b)	0.000(b)		0.007	0.004		0.014	0.014		0.007	0.007	
17:45	(c)	(c)		0.000(b)	0.004(b)		(c)	(c)		0.007(b)	0.007(b)	
18:00	(c)	(c)	0.000(b)	(c)	(c)	0.003(b)	(c)	(c)	0.014(b)	(c)	(c)	0.007(b)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**			**0.004**			**0.012**			**0.007**		
Sampler Start Time	6:41 AM			6:46 AM			6:53 AM			7:04 AM		
Sampler End Time	5:23 PM			5:27 PM			5:30 PM			5:34 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

(g) The datalogging frequency of the H2S monitors was modified from the previous one-minute average recordings. The H2S monitors were adjusted to recording the average of the one-minute averages every five minutes. Due to the variation of the start time of the monitors and also the fact that the recordings are not always at exact five minute recordings (some are four minute), the recorded values for the intervals do not occur on exact five minute intervals (i.e., 10:05, 10:10, etc.). As a result, the recorded averages are reported for the time intervals that are closest to the recorded average.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, June 21, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	14.2	3.3	8.9	(a)
7:00	17.3	23.2	13.6	(a)
7:30	27.7	17.4	38.4	32.9
8:00	18.9	40.0	18.5	29.1
8:30	14.6	11.7	**88.7(e)**	24.0
9:00	12.5	19.1	**175.2(e)**	20.8
9:30	7.2	5.9	32.8	20.7
10:00	6.8	7.9	44.1	15.7
10:30	8.6	6.1	**69.7(e)**	25.7
11:00	10.1	3.4	35.3	37.2
11:30	9.2	5.7	**74.1(e)**	36.6
12:00	9.5	6.5	**93.1(e)**	59.4
12:30	12.7	4.1	18.3	22.2
13:00	11.7	5.4	60.7	28.0
13:30	14.7	6.6	43.7	29.2
14:00	15.3	5.1	23.0	45.7
14:30	15.1	5.0	19.4	19.3
15:00	18.1	5.0	25.8	43.7
15:30	37.9	6.4	72.7	31.8
16:00	10.1	4.3	46.9	47.4
16:30	17.5	3.1	23.7	51.6
17:00	11.9	3.2	24.4	13.9
17:30	(c)	(c)	(c)	14.3
18:00	(c)	(c)	(c)	(c)
Daily Average	**14.6**	**9.0**	**47.8**	**30.9**
Sampler Start Time	6:05 AM	6:09 AM	6:13 AM	7:00 AM
Sampler End Time	17:05 PM	17:09 PM	17:13 PM	17:30 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Recorded averages are to the nearest hour or half hour

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to excavation of stabilized sludge in close proximity of the station and Volvos driving in lagoon.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, June 22, 2004**

1) Exceedances:
There was one exceedance of the Particulate Matter Action Limit (downwind monitor greater than 52 ug/m3 of upwind concentration) at DR4.

Time Period	Downwind TWA (ug/m3)	Upwind TWA (ug/m3)	Difference (ug/m3)
9:31 - 10:00	140.7	56.8	83.9

The exccedance was due to trucks idling near station while picking up and dropping off cement trailers.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 65.8 °F
Average wind speed: 3.0 meters/second
Predominant wind direction: SSE

5) Site Activity:
Start Time: 7:00 AM (Began applying cement at 6:15 am)
Stop Time: 4:45 PM
Description: Apply portland cement, excavate stabilized material, stabilize sludge, and lagoon preparation.

6) Other:

The VOC monitor at station 2 experienced operational problems at the beginning of the day apparently related to high humidity and rain. A lamp error and high level alarm occurred at the beginning of the day and the instrument showed readings that appeared abnormally high. A second VOC monitor was placed next to V2 to assess the levels and initially read significantly lower than V2, but then began reading higher levels and the filter became saturated. A WorkZone monitor was then brought in to assess levels and values were lower. V2 was brought indoors, inspected, recalibrated, filters were changed out and a diagnostic test was conducted to see if it was working properly. The instrument was then returned to the field, and operated without incident for the rest of the day.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 22, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.031	0.001	(d)	(d)	(a)	(a)	(a)	(a)
7:15	0.045	0.006	(d)	(d)	0.342	0.073	(a)	(a)
7:30	0.060	0.004	(d)	(d)	0.151	0.018	0.418	0.049
7:45	0.097	0.008	(d)	(d)	0.087	0.003	0.303	0.055
8:00	0.233	0.017	(d)	(d)	0.000	0.000	0.331	0.086
8:15	0.058	0.001	(d)	(d)	0.000	0.000	0.426	0.151
8:30	0.085	0.003	(d)	(d)	0.000	0.000	0.464	0.211
8:45	0.000	0.000	(d)	(d)	0.000	0.000	0.568	0.266
9:00	0.009	0.000	(d)	(d)	0.000	0.000	0.670	0.327
9:15	0.198	0.010	(d)	(d)	0.000	0.000	0.613	0.384
9:30	0.052	0.005	3.431	2.562	0.000	0.000	0.759	0.442
9:45	0.001	0.000	5.505	3.823	0.000	0.000	0.811	0.505
10:00	0.555	0.089	5.338	3.468	0.000	0.000	0.982	0.639
10:15	0.020	0.000	3.099	2.318	0.000	0.000	0.755	0.438
10:30	0.004	0.000	2.285	1.632	0.000	0.000	0.611	0.281
10:45	0.162	0.010	3.044	1.811	0.000	0.000	0.555	0.270
11:00	0.000	0.000	1.685	1.386	0.000	0.000	0.577	0.267
11:15	0.000	0.000	1.405	1.239	0.000	0.000	0.587	0.256
11:30	0.000	0.000	1.534	1.117	0.000	0.000	0.489	0.255
11:45	0.000	0.000	1.000	0.866	0.018	0.000	0.505	0.202
12:00	0.067	0.000	1.281	0.994	0.025	0.000	0.420	0.173
12:15	0.000	0.000	0.973	0.701	0.035	0.000	0.548	0.181
12:30	0.010	0.000	0.983	0.309	0.173	0.038	0.416	0.164
12:45	0.019	0.001	0.313	0.195	0.201	0.048	0.483	0.157
13:00	0.010	0.000	0.359	0.198	0.204	0.043	0.467	0.138
13:15	0.014	0.000	0.357	0.210	0.175	0.038	0.423	0.156
13:30	0.005	0.000	0.546	0.215	0.181	0.036	0.460	0.170
13:45	0.029	0.001	0.404	0.195	0.095	0.016	0.413	0.190
14:00	0.063	0.002	0.769	0.238	0.056	0.004	0.487	0.200
14:15	0.067	0.001	0.416	0.125	0.085	0.001	0.441	0.212
14:30	0.000	0.000	7.026	1.741	0.000	0.000	0.609	0.316
14:45	0.000	0.000	5.513	4.316	0.000	0.000	0.980	0.533
15:00	0.000	0.000	4.604	3.095	0.000	0.000	1.221	0.849

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 22, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
15:15	0.000	0.000	(e)	(e)	0.000	0.000	1.449	1.053
15:30	0.000	0.000	(e)	(e)	0.000	0.000	1.407	1.046
15:45	0.000	0.000	2.983	2.507	0.000	0.000	1.667	1.239
16:00	0.000	0.000	2.459	2.125	0.000	0.000	1.471	1.020
16:15	0.000	0.000	2.106	1.849	0.000	0.000	1.220	0.853
16:30	0.000	0.000	2.000	1.547	0.000	0.000	1.119	0.691
16:45	0.012	0.000	1.283	0.807	0.008	0.000	0.714	0.383
17:00	0.000	0.000	1.274	0.781	0.075	0.005	0.520	0.290
17:15	0.017	0.000	0.912	0.743	(c)	(c)	0.513	0.284
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.004**		**1.437**		**0.008**		**0.385**	
Sampler Start Time	6:57 AM		9:38 AM		7:13 AM		7:32 AM	
Sampler End Time	17:12 PM		17:10 PM		16:58 PM		17:17 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Recorded averages are to the nearest hour, half hour, or quarter hour

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the

(c) Monitoring was completed at this point for the day.

(d) No data points for this averaging period due to instrument malfunction apparently related to high humidity and rain. A lamp error and high level alarm occurred at the beginning of the day and the instrument showed readings that appeared abnormally high. A second VOC monitor was placed next to V2 to assess the levels and initially read significantly lower, but then began reading higher levels and the filter became saturated. A WorkZone monitor was then brought in to assess levels and values were lower. V2 was brought indoors, inspected, recalibrated, filters were changed out and a diagnostic test was conducted to see if it was working properly. The instrument was then returned to the field, and operated without incident for the rest of the day.

(e) No data points for this averaging period due to instrument check.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 22, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day (g)	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:00	0.008(b)	0.003(b)	0.003(b)	0.001(b)	0.000(b)	0.000(b)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.000	0.000		0.001	0.000		0.010(b)	0.010(b)		(a)	(a)	
7:30	0.000	0.000		0.001	0.001		0.011	0.009		0.004(b)	0.004(b)	
7:45	0.000	0.000		0.005	0.002		0.011	0.011		0.008	0.007	
8:00	0.005	0.002	0.000	0.002	0.001	0.001	0.012	0.012	0.011(b)	0.005	0.004	0.005(b)
8:15	0.000	0.000		0.000	0.000		0.013	0.013		0.008	0.005	
8:30	0.000	0.000		0.000	0.000		0.012	0.011		0.007	0.006	
8:45	0.000	0.000		0.002	0.001		0.012	0.011		0.006	0.006	
9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.011	0.012	0.005	0.005	0.005
9:15	0.000	0.000		0.000	0.000		0.008	0.004		0.005	0.005	
9:30	0.000	0.000		0.001	0.000		0.015	0.013		0.006	0.005	
9:45	0.000	0.000		0.001	0.000		0.011	0.010		0.007	0.006	
10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.010	0.009	0.007	0.005	0.005
10:15	0.000	0.000		0.001	0.000		0.011	0.007		0.007	0.006	
10:30	0.000	0.000		0.002	0.001		0.011	0.010		0.006	0.005	
10:45	0.000	0.000		0.002	0.001		0.014	0.012		0.008	0.007	
11:00	0.000	0.000	0.000	0.002	0.001	0.001	0.011	0.010	0.010	0.010	0.006	0.006
11:15	0.000	0.000		0.002	0.001		0.012	0.011		0.005	0.004	
11:30	0.000	0.000		0.003	0.002		0.012	0.011		0.004	0.004	
11:45	0.000	0.000		0.001	0.001		0.011	0.009		0.009	0.006	
12:00	0.000	0.000	0.000	0.002	0.002	0.002	0.012	0.011	0.011	0.005	0.004	0.005
12:15	0.000	0.000		0.002	0.002		0.011	0.010		0.007	0.005	
12:30	0.000	0.000		0.002	0.001		0.011	0.010		0.005	0.005	
12:45	0.000	0.000		0.002	0.001		0.011	0.011		0.005	0.005	
13:00	0.000	0.000	0.000	0.002	0.001	0.001	0.011	0.010	0.011	0.010	0.008	0.006
13:15	0.001	0.000		0.004	0.003		0.010	0.010		0.007	0.006	
13:30	0.000	0.000		0.001	0.001		0.010	0.009		0.008	0.007	
13:45	0.000	0.000		0.002	0.001		0.010	0.010		0.006	0.006	
14:00	0.000	0.000	0.000	0.002	0.002	0.002	0.011	0.010	0.010	0.009	0.008	0.007
14:15	0.000	0.000		0.002	0.001		0.015	0.012		0.009	0.007	
14:30	0.000	0.000		0.003	0.002		0.010	0.005		0.028	0.014	
14:45	0.000	0.000		0.002	0.001		0.008	0.006		0.007	0.007	
15:00	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.001	0.006	0.005	0.005	0.008
15:15	0.000	0.000		0.001	0.001		0.002	0.001		0.016	0.012	
15:30	0.001	0.000		0.002	0.001		0.003	0.002		0.004	0.004	
15:45	0.000	0.000		0.001	0.000		0.009	0.006		0.007	0.006	
16:00	0.000	0.000	0.000	0.000	0.000	0.001	0.007	0.005	0.003	0.009	0.006	0.007
16:15	0.000	0.000		0.004	0.001		0.007	0.006		0.012	0.010	
16:30	0.000	0.000		0.000	0.000		0.007	0.007		0.005	0.004	
16:45	0.000	0.000		0.001	0.001		0.007(h)(d)	0.007(h)(d)		0.013	0.009	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 22, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day (g)	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
17:00	0.000	0.000	0.000	0.001	0.000	0.001	(h)	(h)	0.007(h)(d)	0.006	0.006	0.007
17:15	0.000	0.000		0.000	0.000		(h)	(h)		0.007	0.006	
17:30	0.000	0.000		0.001	0.001		(h)	(h)		0.007	0.006	
17:45	0.000	0.000		0.000(b)	0.001(b)		(c)	(c)		0.006(b)	0.006(b)	
18:00	(c)	(c)	0.000(b)	(c)	(c)	0.000(b)	(c)	(c)	(c)	(c)	(c)	0.006(b)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**			**0.001**			**0.009**			**0.006**		
Sampler Start Time	6:50 AM			6:54 AM			7:18 AM			7:30 AM		
Sampler End Time	5:36 PM			5:30 PM			4:40 PM			5:35 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

(g) The datalogging frequency of the H2S monitors was modified from the previous one-minute average recordings. The H2S monitors were adjusted to recording the average of the one-minute averages every five minutes. Due to the variation of the start time of the monitors and also the fact that the recordings are not always at exact five minute recordings (some are four minute), the recorded values for the intervals do not occur on exact five minute intervals (i.e., 10:05, 10:10, etc.). As a result, the recorded averages are reported for the time intervals that are closest to the recorded average.

(h) HS3 was not operational when the instrument was picked up at 5:30 pm. One of the cords that comes out of the inverter was loose.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 22, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	29.8	17.0	25.0	(a)
7:00	33.9	14.2	29.0	(a)
7:30	42.6	12.9	34.5	(a)
8:00	52.3	19.9	36.7	57.2(b)
8:30	49.7	26.8	42.7	65.5
9:00	50.3	27.2	46.5	73.5
9:30	60.1	29.6	45.3	90.6
10:00	62.9	28.0	56.8	**140.7(e)**
10:30	63.5	21.4	46.3	68.4
11:00	56.6	22.3	43.1	55.3
11:30	55.3	21.6	40.7	45.7
12:00	57.3	27.7	44.7	46.0
12:30	59.9	28.4	42.6	49.0
13:00	57.3	22.3	37.0	45.3
13:30	57.1	23.0	41.3	45.4
14:00	66.0	25.2	45.2	53.2
14:30	70.1	27.0	50.4	65.9
15:00	72.3	23.6	55.3	69.0
15:30	69.9	20.2	52.8	71.0
16:00	71.0	29.1	54.8	64.4
16:30	72.8	33.8	53.0	61.3
17:00	73.2	21.9	46.6	54.8
17:30	66.0	(c)	(c)	45.0
18:00	(c)	(c)	(c)	43.4(b)
Daily Average	**58.7**	**23.8**	**44.1**	**63.1**
Sampler Start Time	6:02 AM	6:05 AM	6:10 AM	7:35 AM
Sampler End Time	17:32 PM	17:05 PM	17:10 PM	17:39 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Recorded averages are to the nearest hour or half hour

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to trucks idling near station while picking up and dropping off cement trailers.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, June 23, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 70 °F
Average wind speed: 4.0 meters/second
Predominant wind direction: North

5) Site Activity:
Start Time: 7:15 AM (Began applying cement at 6:30 am)
Stop Time: 4:45 PM
Description: Applied Portland cement, prepared lagoon and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 23, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	0.059(b)	0.014(b)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.008	0.000	4.194(b)	3.070(b)	(a)	(a)	(a)	(a)
7:00	0.000	0.000	4.013	1.694	0.449	0.050	0.392(b)	0.101(b)
7:15	0.000	0.000	0.147	0.011	0.733	0.004	0.475	0.180
7:30	0.000	0.000	0.000	0.000	0.000	0.000	5.466	0.820
7:45	0.000	0.000	0.291	0.004	0.118	0.001	1.226	0.608
8:00	0.000	0.000	0.785	0.033	1.174	0.026	1.043	0.457
8:15	0.006	0.000	0.678	0.012	2.836	0.474	0.732	0.334
8:30	0.012	0.000	0.928	0.059	7.795	0.733	2.827	0.399
8:45	0.009	0.000	1.485	0.076	1.517	0.477	1.969	0.542
9:00	0.005	0.000	0.919	0.126	7.787	1.043	1.361	0.367
9:15	0.008	0.000	1.906	0.194	4.305	1.265	1.408	0.378
9:30	0.183	0.001	1.791	0.049	2.605(d)	0.783(d)	0.524	0.201
9:45	0.000	0.000	0.658	0.035	2.677(d)	0.846(d)	1.063	0.254
10:00	0.003	0.000	2.181	0.385	7.979	1.234	0.637	0.189
10:15	0.002	0.000	0.973	0.121	5.896	1.148	0.433	0.151
10:30	0.003	0.000	1.398	0.149	9.167	1.375	0.583	0.153
10:45	0.002	0.000	1.459	0.104	3.635(d)	1.045(d)	0.526	0.186
11:00	0.004	0.000	1.834	0.220	(e)	(e)	0.468	0.153
11:15	0.003	0.000	1.373	0.179	0.582(d)	0.140(d)	0.446	0.145
11:30	0.003	0.000	1.691	0.132	4.264	0.968	0.389	0.141
11:45	0.004	0.000	1.109	0.100	6.460	1.441	1.711	0.301
12:00	0.199	0.006	0.313	0.001	4.059	0.661	0.615	0.196
12:15	0.003	0.000	1.956	0.225	2.878	1.046	0.416	0.168
12:30	0.003	0.000	1.813	0.176	3.255	1.107	0.427	0.145
12:45	0.030	0.000	1.013	0.074	4.756	1.560	0.569	0.169
13:00	0.002	0.000	1.382	0.112	5.496	1.601	1.395	0.229
13:15	0.000	0.000	3.232	0.268	5.015	1.724	1.734	0.322
13:30	0.433	0.002	1.944	0.262	5.687	1.948	1.112	0.277
13:45	1.268	0.035	2.343	0.032	6.577	1.619	1.343	0.317
14:00	0.002	0.000	2.901	0.317	5.220	1.519	0.692	0.219
14:15	0.932	0.034	0.864	0.045	5.354(d)	1.346(d)	0.585	0.219
14:30	0.640	0.040	1.489	0.128	6.260	1.767	0.635	0.181

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 23, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
14:45	0.010	0.000	1.816	0.057	4.655	1.481	0.565	0.188
15:00	0.307	0.012	1.583	0.222	4.283	1.562	0.839	0.242
15:15	0.004	0.000	2.226	0.213	4.914	1.046	0.538	0.171
15:30	0.032	0.000	0.662	0.012	5.912	1.840	0.438	0.176
15:45	0.006	0.000	1.273	0.171	7.510	2.237	0.463	0.161
16:00	0.006	0.000	0.476	0.008	5.966	1.705	0.616	0.156
16:15	0.153	0.001	0.000	0.000	5.568	1.000	0.405	0.182
16:30	0.005	0.000	0.716	0.016	5.558	2.029	0.367	0.147
16:45	0.048	0.001	0.000	0.000	4.951	1.000	0.523	0.185
17:00	0.077	0.006	0.000	0.000	4.427	0.772	0.776	0.220
17:15	0.578	0.034	0.128	0.002	11.522	1.844	0.573	0.201
17:30	1.796	0.019	0.000	0.000	9.260	1.842	0.687	0.204
17:45	0.017(b)	0.002(b)	0.000(b)	0.000(b)	3.465	0.658	0.629	0.212
18:00	(c)	(c)	(c)	(c)	3.454(b)	1.178(b)	0.427(b)	0.239(b)
Daily Average	**0.004**		**0.164**		**1.119**		**0.251**	
Sampler Start Time	6:30 AM		6:40 AM		6:46 AM		6:56 AM	
Sampler End Time	17:34 PM		17:42 PM		17:46 PM		17:49 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) No data points for this averaging period due to instrument check.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 23, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations (ppm)											
	HS1			HS2			HS3			HS4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	0.000(b)	0.000(b)		0.000(b)	0.000(b)		(a)	(a)		(a)	(a)	
7:00	0.000	0.000	0.000(b)	0.001	0.001	0.001(b)	0.003(b)	0.003(b)	0.003(b)	0.008(b)	0.007(b)	0.007(b)
7:15	0.000	0.000		0.002	0.001		0.005	0.004		0.010	0.008	
7:30	0.000	0.000		0.002	0.001		0.012	0.007		0.011	0.010	
7:45	0.000	0.000		0.004	0.003		0.008	0.006		0.015	0.013	
8:00	0.000	0.000	0.000	0.004	0.001	0.002	0.007	0.005	0.006	0.021	0.017	0.012
8:15	0.000	0.000		0.003	0.002		0.010	0.007		0.022	0.017	
8:30	0.000	0.000		0.007	0.004		0.005	0.004		0.034	0.026	
8:45	0.000	0.000		0.004	0.003		0.028	0.018		0.036	0.029	
9:00	0.000	0.000	0.000	0.005	0.003	0.003	0.005	0.005	0.009	0.031	0.024	0.024
9:15	0.000	0.000		0.003	0.002		0.006	0.005		0.035	0.027	
9:30	0.000	0.000		0.003	0.003		0.007	0.005		0.023	0.021	
9:45	0.000	0.000		0.006	0.004		0.005	0.005		0.027	0.021	
10:00	0.000	0.000	0.000	0.002	0.002	0.003	0.005	0.005	0.005	0.047	0.035	0.026
10:15	0.000	0.000		0.005	0.003		0.005	0.005		0.034	0.028	
10:30	0.000	0.000		0.003	0.002		0.005	0.005		0.076	0.039	
10:45	0.000	0.000		0.004	0.003		0.006	0.005		0.042	0.027	
11:00	0.000	0.000	0.000	0.002	0.002	0.003	0.006	0.005	0.005	0.037	0.027	0.030
11:15	0.000	0.000		0.003	0.002		0.014	0.008		0.019	0.019	
11:30	0.000	0.000		0.003	0.003		0.008	0.005		0.028	0.026	
11:45	0.000	0.000		0.002	0.002		0.009	0.006		0.037	0.027	
12:00	0.000	0.000	0.000	0.002	0.002	0.002	0.009	0.006	0.007	0.076	0.038	0.027
12:15	0.000	0.000		0.002	0.002		0.007	0.006		0.024	0.022	
12:30	0.000	0.000		0.002	0.002		0.005	0.004		0.033	0.024	
12:45	0.000	0.000		0.002	0.002		0.006	0.005		0.033	0.026	
13:00	0.000	0.000	0.000	0.004	0.003	0.002	0.007	0.006	0.005	0.022	0.020	0.023
13:15	0.000	0.000		0.002	0.002		0.006	0.005		0.034	0.024	
13:30	0.000	0.000		0.002	0.001		0.012	0.010		0.025	0.023	
13:45	0.000	0.000		0.002	0.001		0.007	0.004		0.030	0.022	
14:00	0.000	0.000	0.000	0.002	0.002	0.001	0.009	0.007	0.007	0.020	0.018	0.022
14:15	0.000	0.000		0.002	0.002		0.005	0.004		0.021	0.019	
14:30	0.000	0.000		0.002	0.002		0.005	0.005		0.023	0.019	
14:45	0.000	0.000		0.002	0.001		0.007	0.006		0.022	0.018	
15:00	0.000	0.000	0.000	0.005	0.003	0.002	0.008	0.006	0.005	0.018	0.017	0.018
15:15	0.000	0.000		0.002	0.002		0.004	0.004		0.014	0.014	
15:30	0.000	0.000		0.002	0.002		0.006	0.005		0.020	0.017	
15:45	0.000	0.000		0.002	0.002		0.005	0.004		0.025	0.022	
16:00	0.000	0.000	0.000	0.002	0.001	0.002	0.007	0.006	0.005	0.019	0.018	0.018

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 23, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations (ppm)											
	HS1			HS2			HS3			HS4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
16:15	0.000	0.000		0.003	0.002		0.006	0.005		0.014	0.013	
16:30	0.000	0.000		0.003	0.002		0.006	0.005		0.019	0.016	
16:45	0.000	0.000		0.002	0.001		0.005	0.005		0.013	0.013	
17:00	0.000	0.000	0.000	0.001	0.001	0.001	0.007	0.005	0.005	0.017	0.014	0.014
17:15	0.000	0.000		0.000	0.000		0.006	0.005		0.017	0.014	
17:30	0.000	0.000		0.001	0.000		0.005	0.005		0.017	0.015	
17:45	0.000(b)	0.000(b)		0.000(b)	0.000(b)		0.004	0.004		0.008(b)	0.008(b)	
18:00	(c)	(c)	0.000(b)	(c)	(c)	0.000(b)	0.004(b)	0.004(b)	0.004(b)	(c)	(c)	0.012(b)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**			**0.002**			**0.006**			**0.021**		
Sampler Start Time	6:37 AM			6:46 AM			7:01 AM			6:52 AM		
Sampler End Time	5:35 PM			5:41 PM			5:52 PM			5:44 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 23, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	85.4(b)	(a)	(a)	(a)
6:30	84.3	110.2(b)	88.2(b)	76.0(b)
7:00	76.0	100.5	81.1	54.8
7:30	64.1	42.6	64.7	71.0
8:00	39.8	28.2	40.7	58.0
8:30	23.6	15.5	22.8	47.1
9:00	20.2	13.1	20.2	37.5
9:30	20.1	9.7	17.9	20.3
10:00	10.1	6.4	17.8	14.6
10:30	8.4	5.3	11.9	10.6
11:00	9.7	6.0	14.6	13.9
11:30	9.9	6.5	12.0	16.2
12:00	9.0	5.4	9.8	19.6
12:30	8.2	4.4	20.2	4.0
13:00	7.8	4.9	28.9	9.7
13:30	6.2	3.4	21.4	24.8
14:00	10.1	3.3	17.2	14.9
14:30	7.9	3.5	14.1	19.3
15:00	17.9	2.8	34.0	12.1
15:30	5.6	3.0	38.6	9.5
16:00	5.5	3.2	35.0	6.1
16:30	5.6	1.9	10.5	3.2
17:00	5.6	1.1	4.2	8.3
17:30	7.3	0.8	17.3	3.1
18:00	4.9(b)	0.7(b)	1.3(b)	1.3(b)
Daily Average	**20.1**	**15.3**	**26.3**	**21.7**
Sampler Start Time	5:59 AM	6:08 AM	6:12 AM	6:22 AM
Sampler End Time	17:39 PM	17:44 PM	17:49 PM	17:54 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, June 24, 2004**

1) Exceedances:
There was one recorded exceedance of the Particulate Matter Action Limit (downwind monitor greater than 52 ug/m3 of upwind concentration) at Station 1 (DR1)

Time Period	Downwind TWA (ug/m3)	Upwind TWA (ug/m3)	Difference (ug/m3)
6:01 - 6:30	75.5	7.0	68.5

The exceedance was due to the instrument being jarred during hourly check. After the incident, the values immediately went back down. Recorded value does not represent ambient conditions.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 70.2 °F
Average wind speed: 3.6 meters/second
Predominant wind direction: SSE

5) Site Activity:
Start Time: 7:00 AM (Began applying cement at 6:45 am)
Stop Time: 4:00 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 24, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.091(b)	0.028(b)	(a)	(a)	0.306(b)	0.105(b)	0.503(b)	0.113(b)
7:00	0.079	0.008	(a)	(a)	0.435	0.106	0.492	0.142
7:15	0.266	0.018	8.932	2.771	0.226	0.055	0.476	0.180
7:30	0.062	0.003	1.161	0.460	0.144	0.030	0.484	0.192
7:45	0.048	0.003	1.599	0.825	0.433	0.030	0.472	0.197
8:00	0.047	0.004	0.809	0.400	0.162	0.027	0.508	0.200
8:15	0.081	0.008	1.281	0.189	7.039	0.260	0.527	0.211
8:30	0.084	0.007	0.637	0.071	2.501	0.139	0.460	0.206
8:45	0.036	0.002	0.359	0.045	2.158	0.189	0.458	0.195
9:00	0.031	0.001	0.518	0.031	6.070	0.579	0.466	0.182
9:15	0.062	0.003	0.353	0.030	1.602	0.187	0.467	0.180
9:30	0.027	0.001	0.097	0.003	0.933	0.168	0.416	0.175
9:45	0.084	0.001	0.129	0.003	1.311	0.184	0.415	0.166
10:00	0.062	0.001	0.475	0.016	0.685	0.174	0.483	0.148
10:15	0.037	0.001	0.397	0.034	5.530	0.374	0.385	0.138
10:30	0.123	0.002	0.653	0.075	0.375	0.104	0.511	0.147
10:45	0.077	0.005	2.397	0.135	1.081	0.118	0.534	0.165
11:00	0.196	0.033	1.271	0.251	0.336	0.100	0.562	0.190
11:15	0.117	0.008	0.735	0.111	1.219	0.186	0.571	0.200
11:30	0.225	0.014	1.134	0.181	0.313	0.121	0.565	0.227
11:45	0.178	0.010	0.816	0.164	0.307	0.105	0.524	0.245
12:00	0.277	0.020	1.314	0.220	1.035	0.137	0.587	0.271
12:15	0.259	0.018	1.822	0.351	3.349	0.263	0.626	0.292
12:30	0.363	0.018	2.825	0.463	1.007	0.147	0.600	0.305
12:45	0.489	0.070	1.298	0.257	8.976	0.628	0.686	0.372
13:00	0.614	0.058	1.297	0.367	2.753	0.302	0.670	0.392
13:15	0.206	0.030	2.539	0.554	2.048	0.193	0.547	0.369
13:30	0.227	0.037	2.206	0.303	2.902	0.216	0.671	0.407
13:45	0.565	0.049	1.287	0.300	0.500	0.133	0.661	0.405
14:00	0.965	0.131	3.133	0.441	6.009	0.436	0.686	0.397
14:15	0.542	0.071	1.737	0.409	0.714	0.155	0.677	0.421

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 24, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
14:30	0.502	0.067	2.199	0.416	0.473	0.123	0.723	0.467
14:45	0.253	0.023	1.289	0.342	3.358	0.237	0.736	0.514
15:00	0.310	0.029	2.497	0.462	1.872	0.229	0.874	0.562
15:15	0.187	0.023	1.127	0.281	1.675	0.188	0.758	0.632
15:30	0.412	0.033	1.822	0.402	1.328	0.184	0.942	0.799
15:45	0.126	0.009	1.063	0.314	0.645	0.127	1.382	1.169
16:00	0.243	0.027	1.056	0.223	0.401	0.123	2.035	1.723
16:15	0.129	0.006	0.692	0.112	0.775	0.125	2.209	2.138
16:30	0.100	0.011	0.618	0.096	0.666	0.120	2.025	1.702
16:45	0.559	0.046	1.398	0.311	0.993	0.122	1.685	1.568
17:00	2.077(b)	0.028(b)	1.627	0.378	0.258(b)	0.110(b)	1.761(b)	1.603(b)
17:15	(c)	(c)	1.288(b)	0.192(b)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.023**		**0.318**		**0.183**		**0.483**	
Sampler Start Time	6:42 AM		7:01 AM		6:35 AM		6:34 AM	
Sampler End Time	16:58 PM		17:07 PM		16:55 PM		16:59 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 24, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations (ppm)											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	0.000(b)	0.000(b)		(a)	(a)		0.007(b)	0.006(b)		0.003(b)	0.003(b)	
7:00	0.000	0.000	0.000(b)	0.001(b)	0.001(b)	0.001(b)	0.009	0.005	0.006(b)	0.007	0.004	0.003(b)
7:15	0.360	0.180		0.002	0.001		0.011	0.011		0.005	0.004	
7:30	0.003	0.001		0.002	0.001		0.011	0.011		0.003	0.002	
7:45	0.001	0.001		0.000	0.000		0.012	0.011		0.003	0.003	
8:00	0.000	0.000	0.045	0.002	0.001	0.001	0.012	0.012	0.011	0.004	0.003	0.003
8:15	0.000	0.000		0.004	0.001		0.012	0.011		0.007	0.004	
8:30	0.000	0.000		0.001	0.000		0.010	0.009		0.004	0.003	
8:45	0.000	0.000		0.000	0.000		0.015	0.009		0.005	0.004	
9:00	0.001	0.000	0.000	0.000	0.000	0.000	0.016	0.010	0.010	0.005	0.004	0.004
9:15	0.000	0.000		0.002	0.001		0.013	0.011		0.006	0.004	
9:30	0.000	0.000		0.002	0.001		0.018	0.014		0.005	0.004	
9:45	0.000	0.000		0.002	0.001		0.016	0.015		0.005	0.004	
10:00	0.000	0.000	0.000	0.003	0.002	0.001	0.032	0.020	0.015	0.007	0.006	0.005
10:15	0.000	0.000		0.004	0.003		0.010	0.006		0.006	0.005	
10:30	0.000	0.000		0.003	0.003		0.013	0.010		0.011	0.007	
10:45	0.000	0.000		0.004	0.004		0.016	0.015		0.010	0.007	
11:00	0.000	0.000	0.000	0.007	0.005	0.004	0.018	0.017	0.012	0.009	0.007	0.007
11:15	0.000	0.000		0.007	0.005		0.017	0.016		0.012	0.010	
11:30	0.000	0.000		0.005	0.004		0.017	0.017		0.015	0.009	
11:45	0.000	0.000		0.012	0.006		0.017	0.016		0.008	0.007	
12:00	0.000	0.000	0.000	0.005	0.004	0.005	0.017	0.016	0.016	0.009	0.008	0.009
12:15	0.000	0.000		0.004	0.002		0.018	0.017		0.009	0.008	
12:30	0.000	0.000		0.006	0.004		0.023	0.019		0.009	0.008	
12:45	0.000	0.000		0.005	0.004		0.018	0.017		0.014	0.010	
13:00	0.000	0.000	0.000	0.007	0.005	0.004	0.017	0.016	0.017	0.013	0.011	0.009
13:15	0.000	0.000		0.005	0.004		0.017	0.017		0.009	0.009	
13:30	0.000	0.000		0.010	0.007		0.016	0.015		0.009	0.009	
13:45	0.000	0.000		0.009	0.006		0.016	0.015		0.009	0.009	
14:00	0.000	0.000	0.000	0.004	0.004	0.005	0.016	0.016	0.016	0.011	0.010	0.009
14:15	0.000	0.000		0.006	0.005		0.015	0.014		0.010	0.009	
14:30	0.000	0.000		0.007	0.006		0.015	0.015		0.011	0.010	
14:45	0.000	0.000		0.006	0.005		0.017	0.016		0.017	0.014	
15:00	0.000	0.000	0.000	0.004	0.004	0.005	0.016	0.015	0.015	0.011	0.009	0.011
15:15	0.000	0.000		0.006	0.005		0.015	0.014		0.016	0.011	
15:30	0.000	0.000		0.010	0.006		0.015	0.014		0.014	0.011	
15:45	0.000	0.000		0.005	0.004		0.014	0.013		0.010	0.010	
16:00	0.000	0.000	0.000	0.005	0.004	0.005	0.014	0.014	0.014	0.011	0.010	0.011

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 24, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations (ppm)											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
16:15	0.000	0.000		0.004	0.004		0.015	0.014		0.010	0.009	
16:30	0.000	0.000		0.005	0.003		0.014	0.014		0.010	0.009	
16:45	0.000	0.000		0.004	0.003		0.014	0.013		0.014	0.011	
17:00	0.000	0.000	0.000	0.005	0.003	0.003	0.014(b)	0.014(b)	0.014(b)	0.010	0.010	0.010
17:15	0.000(b)	0.000(b)		0.005(b)	0.005(b)		(c)	(c)		0.008(b)	0.008(b)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	0.000(b)	(c)	(c)	0.005(b)	(c)	(c)	(c)	(c)	(c)	0.008(b)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.003**			**0.003**			**0.014**			**0.007**		
Sampler Start Time	6:51 AM			6:59 AM			6:40 AM			6:46 AM		
Sampler End Time	5:04 PM			5:05 PM			4:57 PM			5:02 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, June 24, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	**75.5(b)(e)**	13.1(b)	7.0(b)	39.0(b)
7:00	25.8	25.5	7.5	11.4
7:30	14.0	7.8	8.6	14.2
8:00	13.7	6.7	9.3	11.8
8:30	14.1	7.7	13.0	18.5
9:00	16.2	7.7	43.8	14.3
9:30	16.6	7.6	13.5	15.7
10:00	18.9	7.2	11.6	18.2
10:30	21.9	9.3	11.7	18.8
11:00	18.7	10.5	8.7	23.9
11:30	24.7	12.9	9.2	25.7
12:00	19.3	17.0	10.5	19.3
12:30	20.0	11.7	12.5	18.7
13:00	36.3	14.6	38.8	35.2
13:30	37.9	18.1	37.4	28.7
14:00	42.3	22.5	43.4	32.1
14:30	60.7	26.0	27.2	39.9
15:00	55.0	27.2	31.7	40.5
15:30	74.9	31.6	40.3	56.9
16:00	62.4	30.7	31.4	48.2
16:30	59.4	28.8	28.9	40.8
17:00	64.9	30.3	30.9(b)	58.3
17:30	53.8(b)	31.3(b)	(c)	30.2(b)
18:00	(c)	(c)	(c)	(c)
Daily Average	**35.9**	**17.3**	**21.9**	**28.6**
Sampler Start Time	6:06 AM	6:08 AM	6:12 AM	6:04 AM
Sampler End Time	17:05 PM	17:09 PM	16:58 PM	17:03 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to instrument being jarred during hourly check. Does not represent ambient conditions.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday June 25, 2004**

1) Exceedances:
There were five exceedances of the Particulate Matter Action Limit (downwind monitor greater than 52 ug/m3 of upwind concentration) at Station 3 (DR3)

Time Period	Downwind TWA (ug/m3)	Upwind TWA (ug/m3)	Difference (ug/m3)
7:31 - 8:00	118.4	8.1	110.3
8:01 - 8:30	114.5	7.4	107.1
8:31 - 9:00	165.3	5.1	160.2
12:31 - 1:00	141.4	10.0	131.4
1:01 - 1:30	158.9	13.8	145.1

The first three exccedances were due to due to Volvos entering and exiting Lagoon 1, directly in front of Station 3. Dust suppression methods in place - water truck making rounds. The last two were related to dust emissions from blowing cement. Dust suppression methods were in place.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 68.4 °F
Average wind speed: 1.7 meters/second
Predominant wind direction: North

5) Site Activity:
Start Time: 6:30 AM
Stop Time: 4:15 PM
Description: Applied Portland cement, stabilized sludge, excavated stabilized material, preparation and filling in Lagoon 1.

6) Other:
During the hourly check of the H2S monitor at Station 3, the monitor was found without power. The power connections were checked and the battery level was found to be sufficient, but there was a problem with power getting to the monitor. A spare H2S monitor, H5, was placed in the field and recorded data for the remainder of the day.

There was a high VOC reading at Station 2 which recorded as an exceedance of the 15 minute TWA of VOC, however the value is based on only the first two minutes of data for the final 30-minute period before monitoring stopped for the day. The value is not representative of ambient conditions and occurred after work had stopped at the site.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, June 25, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.009(b)	0.000(b)	(a)	(a)	(a)	(a)	0.266(b)	0.014(b)
7:00	0.016	0.000	0.000(b)	0.000(b)	4.788(b)	0.680(b)	0.489	0.031
7:15	0.019	0.000	0.113	0.002	2.231	0.410	0.401	0.057
7:30	0.036	0.001	0.068	0.004	1.428	0.454	0.389	0.075
7:45	0.054	0.002	0.321	0.022	1.371	0.390	1.065	0.093
8:00	0.083	0.004	0.810	0.107	0.724	0.173	0.318	0.061
8:15	0.080	0.002	0.680	0.157	1.402	0.274	0.259	0.056
8:30	0.094	0.004	0.943	0.292	1.544	0.274	0.322	0.060
8:45	0.088	0.005	0.953	0.349	1.749	0.477	0.289	0.069
9:00	0.095	0.005	0.448	0.115	1.806	0.612	0.297	0.068
9:15	0.103	0.005	0.462	0.117	1.669	0.556	0.306	0.069
9:30	0.087	0.006	0.070	0.005	1.202	0.538	0.337	0.073
9:45	0.111	0.003	0.375	0.018	1.422	0.523	0.323	0.075
10:00	0.092	0.003	0.414	0.049	1.628	0.485	0.435	0.073
10:15	0.084	0.002	0.652	0.070	1.552	0.547	0.621	0.099
10:30	0.093	0.001	0.345	0.085	2.283	0.467	0.312	0.060
10:45	0.012	0.000	0.140	0.010	2.680	0.420	0.363	0.062
11:00	0.048	0.001	0.083	0.003	1.951	0.538	0.446	0.072
11:15	0.014	0.000	0.126	0.003	2.026	0.546	0.285	0.064
11:30	0.031	0.000	0.102	0.005	2.401	0.660	0.296	0.056
11:45	0.008	0.000	0.366	0.023	2.409	0.525	0.328	0.056
12:00	0.000	0.000	0.380	0.034	1.491	0.297	0.369	0.052
12:15	0.001	0.000	0.160	0.010	1.625	0.395	0.381	0.048
12:30	0.029	0.000	0.133	0.014	1.433	0.484	0.337	0.048
12:45	0.007	0.000	0.590	0.051	1.319	0.457	0.383	0.046
13:00	0.010	0.000	0.167	0.003	2.428	0.502	0.313	0.047
13:15	0.001	0.000	0.187	0.004	1.523	0.516	0.286	0.049
13:30	0.000	0.000	0.000	0.000	2.504	0.404	0.264	0.056
13:45	0.000	0.000	0.309	0.014	1.511	0.395	0.308	0.053
14:00	0.000	0.000	0.000	0.000	1.901	0.473	0.405	0.055
14:15	0.001	0.000	0.465	0.050	1.868	0.674	0.484	0.060
14:30	0.071	0.001	0.092	0.003	2.344	0.466	0.435	0.068
14:45	0.066	0.001	0.000	0.000	2.281	0.530	0.394	0.060

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, June 25, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
15:00	0.018	0.000	0.000	0.000	1.699	0.271	0.373	0.070
15:15	0.043	0.001	0.000	0.000	1.513	0.428	0.447	0.100
15:30	0.103	0.006	0.000	0.000	1.080	0.222	0.369	0.097
15:45	0.058	0.003	0.015	0.001	1.153	0.210	0.383	0.097
16:00	0.091	0.008	0.295	0.051	0.407	0.122	0.324	0.078
16:15	0.110	0.011	1.170	0.459	1.041	0.135	0.402	0.120
16:30	0.215	0.007	5.861	3.509	0.946	0.068	0.512	0.124
16:45	0.011(b)	0.001(b)	6.356(b)	**5.814(b)(e)**	1.216(b)	0.199(b)	0.378	0.113
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.002**		**0.167**		**0.419**		**0.068**	
Sampler Start Time	6:38 AM		6:57 AM		6:49 AM		6:35 AM	
Sampler End Time	16:35 PM		16:32 PM		16:43 PM		16:45 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An apparent exceedance of the action limit. The value, however, is based on only the first two minutes of data for the final 30-minute period before monitoring stopped for the day. The value is not representative of ambient conditions and occurred after work had stopped at the site.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, June 25, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations (ppm)											
	HS1			HS2			HS3			HS4		
	Upwind			Downwind			Downwind			Downind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	0.000(b)	0.000(b)		(a)	(a)		(a)	(a)		0.013(b)	0.010(b)	
7:00	0.000	0.000	0.000(b)	0.004(b)	0.004(b)	0.004(b)	0.012(b)	0.012(b)	0.012(b)	0.015	0.011	0.010(b)
7:15	0.000	0.000		0.004	0.004		0.014	0.012		0.008	0.007	
7:30	0.000	0.000		0.006	0.005		0.014	0.012		0.011	0.008	
7:45	0.000	0.000		0.004	0.003		0.011	0.011		0.009	0.007	
8:00	0.000	0.000	0.000	0.006	0.004	0.004	0.012	0.011	0.011	0.008	0.006	0.007
8:15	0.000	0.000		0.005	0.003		0.007	0.005		0.008	0.006	
8:30	0.000	0.000		0.010	0.005		0.006	0.003		0.008	0.007	
8:45	0.000	0.000		0.002	0.002		0.015	0.009		0.011	0.008	
9:00	0.000	0.000	0.000	0.004	0.003	0.003	0.014	0.012	0.007	0.007	0.007	0.007
9:15	0.000	0.000		0.002	0.002		0.011	0.009		0.010	0.007	
9:30	0.000	0.000		0.002	0.002		0.012	0.011		0.007	0.006	
9:45	0.000	0.000		0.002	0.002		0.013	0.010		0.006	0.005	
10:00	0.000	0.000	0.000	0.003	0.001	0.002	0.017	0.014	0.011	0.013	0.010	0.007
10:15	0.000	0.000		0.002	0.002		0.013	0.012		0.007	0.005	
10:30	0.000	0.000		0.004	0.003		0.018	0.016		0.007	0.006	
10:45	0.000	0.000		0.004	0.003		0.018	0.016		0.007	0.007	
11:00	0.000	0.000	0.000	0.009	0.006	0.003	0.016	0.015	0.015	0.006	0.006	0.006
11:15	0.000	0.000		0.016	0.008		0.019	0.018		0.009	0.006	
11:30	0.000	0.000		0.004	0.004		0.016	0.015		0.006	0.006	
11:45	0.000	0.000		0.008	0.006		0.027	0.019		0.010	0.007	
12:00	0.000	0.000	0.000	0.005	0.004	0.005	0.016	0.015	0.017	0.005	0.004	0.006
12:15	0.001	0.000		0.003	0.003		0.016	0.016		0.007	0.007	
12:30	0.000	0.000		0.004	0.003		0.017	0.016		0.009	0.008	
12:45	0.000	0.000		0.004	0.003		0.025	0.020		0.013	0.008	
13:00	0.000	0.000	0.000	0.004	0.004	0.003	0.016	0.014	0.017	0.010	0.009	0.008
13:15	0.000	0.000		0.004	0.004		0.017	0.016		0.007	0.007	
13:30	0.000	0.000		0.004	0.003		0.017	0.017		0.008	0.008	
13:45	0.000	0.000		0.005	0.004		0.029	0.025		0.009	0.008	
14:00	0.000	0.000	0.000	0.004	0.003	0.004	0.019	0.017	0.019	0.023	0.012	0.009
14:15	0.000	0.000		0.004	0.004		0.022(d)	0.020(d)		0.007	0.007	
14:30	0.000	0.000		0.004	0.003		(g)	(g)		0.009	0.007	
14:45	0.000	0.000		0.004	0.004		(g)	(g)		0.008	0.007	
15:00	0.000	0.000	0.000	0.004	0.004	0.004	(g)	(g)	(g)	0.009	0.006	0.007
15:15	0.000	0.000		0.004	0.002		(g)	(g)		0.011	0.009	
15:30	0.000	0.000		0.003	0.002		(g)	(g)		0.008	0.006	
15:45	0.000	0.000		0.002	0.002		0.011(d)	0.011(d)		0.007	0.005	
16:00	0.000	0.000	0.000	0.002	0.001	0.002	(g)	(g)	(g)	0.007	0.005	0.006
16:15	0.000	0.000		0.000	0.000		0.005(d)	0.005(d)		0.019	0.009	
16:30	0.000	0.000		0.000	0.000		0.005	0.005		0.004	0.003	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, June 25, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations (ppm)											
	HS1			HS2			HS3			HS4		
	Upwind			Downwind			Downwind			Downind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
16:45	0.000(b)	0.000(b)		(c)	(c)		0.005	0.005		0.005	0.004	
17:00	(c)	(c)	0.000(b)	(c)	(c)	0.000(b)	0.008(b)	0.008(b)	0.006(b)	0.004(b)	0.004(b)	0.005(b)
17:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**			**0.002**			**0.013**			**0.007**		
Sampler Start Time	6:46 AM			6:59 AM			7:02 AM			6:41 AM		
Sampler End Time	4:39 PM			4:30 PM			4:46 PM			4:46 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

(g) During the hourly check of H3, the monitor was found without power. The power connections were checked and the battery level was found to be sufficient, but there was a problem with power getting to the monitor. A spare H2S monitor, H5, was placed and recorded data for the remainder of the day.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, June 25, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	26.6(b)	18.6(b)	28.2(b)	16.4
7:00	22.4	7.9	41.3	15.5
7:30	10.0	6.5	46.0	14.1
8:00	8.1	8.2	**118.4(e)**	19.2
8:30	7.4	12.2	**114.5(e)**	10.9
9:00	5.1	4.9	**165.3(e)**	12.6
9:30	4.4	3.5	14.3	21.2
10:00	4.8	4.3	14.4	9.9
10:30	5.6	5.9	25.5	14.8
11:00	10.1	6.6	34.8	13.4
11:30	8.5	6.6	40.9	19.8
12:00	7.0	9.4	29.5	12.7
12:30	9.1	7.7	23.0	17.4
13:00	10.0	7.4	**141.4(f)**	31.2
13:30	13.8	7.7	**158.9(f)**	25.1
14:00	13.5	7.8	28.2	22.5
14:30	15.9	8.5	30.9	16.8
15:00	29.6	12.2	72.1	34.4
15:30	27.4	11.2	38.8	25.5
16:00	26.6	9.2	22.6	22.0
16:30	20.4	8.1	19.0	18.0
17:00	16.1(b)	8.4(b)	12.7(b)	10.5(b)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**13.6**	**8.1**	**56.8**	**18.5**
Sampler Start Time	6:05 AM	6:13 AM	6:09 AM	6:01 AM
Sampler End Time	16:42 PM	16:34 PM	16:46 PM	16:49 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to Volvos entering and exiting Lagoon 1.

(f) An exceedance of the action limit due to large dust plumes from blowing cement.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, June 28, 2004**

1) Exceedances:
There were two recorded exceedances of the Particulate Matter Action Limit (downwind monitor greater than 52 ug/m3 of upwind concentration) at Station 3 (DR)

Time Period	Downwind TWA (ug/m3)	Upwind TWA (ug/m3)	Difference (ug/m3)
11:31 - 12:00	77.3	10.5	66.8
12:01 - 12:30	81.3	7.3	74.0

The exceedances were due to Volvos excavating bermed material and grading area in close proximity to station.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 67 °F
Average wind speed: 2.2 meters/second
Predominant wind direction: North (see below)

5) Site Activity:
Start Time: 7:15 AM (Began applying cement at 6:15 am)
Stop Time: 4:30 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
Wind from the South until approximately 9:30, then shifted and came from the north. At this time, Station 2 and Station 4 were relocated so that Station 3 was the downwind location.

There was a high VOC reading at station 2, which was recorded as an exceedance of the 15 minute TWA of VOC. The value, however, is based on only the first two minutes of data for the final 30-minute period before monitoring stopped for the day. The value is not representative of ambient conditions and occurred after work had stopped at the site.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, June 28, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind/Upwind		Downwind		Upwind/Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.009(b)	0.000(b)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.016	0.000	0.000(b)	0.000(b)	(a)	(a)	1.792(b)	0.066(b)
7:15	0.019	0.000	0.113	0.002	(a)	(a)	0.243	0.066
7:30	0.036	0.001	0.068	0.004	0.445(b)	0.147(b)	0.311	0.095
7:45	0.054	0.002	0.321	0.022	0.230	0.055	0.306	0.099
8:00	0.083	0.004	0.810	0.107	1.058	0.132	0.324	0.112
8:15	0.080	0.002	0.680	0.157	0.707	0.084	0.324	0.117
8:30	0.094	0.004	0.943	0.292	1.268	0.259	0.375	0.097
8:45	0.088	0.005	0.953	0.349	1.460	0.460	0.300	0.090
9:00	0.095	0.005	0.448	0.115	2.053	0.332	0.308	0.087
9:15	0.103	0.005	0.462	0.117	2.268	0.377	0.266	0.060
9:30	0.087	0.006	0.070	0.005	1.930	0.260	0.294	0.059
9:45	0.111	0.003	0.375	0.018	0.709	0.232	0.294	0.055
10:00	0.092	0.003	0.414	0.049	3.000	0.635	0.401	0.064
10:15	0.084	0.002	0.652	0.070	1.392	0.476	0.296	0.052
10:30	0.093	0.001	0.345	0.085	2.091	0.597	0.295	0.055
10:45	0.012	0.000	0.140	0.010	1.834	0.527	0.271	0.060
11:00	0.048	0.001	0.083	0.003	1.862	0.562	0.273	0.058
11:15	0.014	0.000	0.126	0.003	1.921	0.467	0.271	0.059
11:30	0.031	0.000	0.102	0.005	2.758	0.378	0.384	0.064
11:45	0.008	0.000	0.366	0.023	2.027	0.358	0.279	0.062
12:00	0.000	0.000	0.380	0.034	2.744	0.392	0.275	0.063
12:15	0.001	0.000	0.160	0.010	1.777	0.447	0.219	0.055
12:30	0.029	0.000	0.133	0.014	1.914	0.564	0.244	0.059
12:45	0.007	0.000	0.590	0.051	2.085	0.467	0.302	0.066
13:00	0.010	0.000	0.167	0.003	1.964	0.693	0.283	0.052
13:15	0.001	0.000	0.187	0.004	1.568	0.498	0.258	0.065
13:30	0.000	0.000	0.000	0.000	2.215	0.576	0.265	0.053
13:45	0.000	0.000	0.309	0.014	1.445	0.532	0.247	0.059
14:00	0.000	0.000	0.000	0.000	2.029	0.655	0.277	0.052
14:15	0.001	0.000	0.465	0.050	1.595	0.593	0.316	0.057
14:30	0.071	0.001	0.092	0.003	1.850	0.645	0.237	0.051
14:45	0.066	0.001	0.000	0.000	2.536	0.596	0.231	0.056

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, June 28, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind/Upwind		Downwind		Upwind/Downwind		Downwind	
Time of Day	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**
	ppm		ppm		ppm		ppm	
15:00	0.018	0.000	0.000	0.000	2.055	0.402	0.239	0.054
15:15	0.043	0.001	0.000	0.000	3.702	0.499	0.272	0.056
15:30	0.103	0.006	0.000	0.000	1.517	0.161	0.248	0.052
15:45	0.058	0.003	0.015	0.001	1.326	0.126	0.277	0.061
16:00	0.091	0.008	0.295	0.051	1.631	0.485	0.313	0.060
16:15	0.110	0.011	1.170	0.459	1.939	0.573	0.324	0.060
16:30	0.215	0.007	5.861	3.509	1.911	0.244	0.283	0.057
16:45	0.011(b)	0.001(b)	6.356(b)	**5.814(b)(e)**	0.604	0.085	0.296	0.063
17:00	(c)	(c)	(c)	(c)	1.506	0.155	0.342	0.073
17:15	(c)	(c)	(c)	(c)	0.271(b)	0.075(b)	0.232(b)	0.058(b)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.002**		**0.167**		**0.401**		**0.066**	
Sampler Start Time	6:38 AM		6:57 AM		7:24 AM		6:48 AM	
Sampler End Time	16:35 PM		16:32 PM		17:10 PM		17:14 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Wind from the South until approximately 9:30, then shifted and was from the north.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An apparent exceedance of the action limit. The value, however, is based on only the first two minutes of data for the final 30-minute period before monitoring stopped for the day. The value is not representative of ambient conditions and occurred after work had stopped at the site.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, June 28, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations (ppm)											
	HS1			HS2			HS3			HS4		
	Downwind/Upwind			Downwind			Upwind/Downwind			Downwind		
Time of Day	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:00	0.000(b)	0.000(b)	0.000(b)	(a)	(a)	(a)	(a)	(a)	(a)	0.003(b)	0.002(b)	0.002(b)
7:15	0.000	0.000		0.004(b)	0.004(b)		0.010(b)	0.010(b)		0.003	0.001	
7:30	0.000	0.000		0.003	0.001		0.009	0.009		0.004	0.003	
7:45	0.002	0.001		0.002	0.001		0.007	0.005		0.003	0.002	
8:00	0.001	0.000	0.000	0.000	0.000	0.002(b)	0.007	0.007	0.008(b)	0.003	0.002	0.002
8:15	0.005	0.003		0.001	0.000		0.009	0.009		0.003	0.003	
8:30	0.001	0.000		0.001	0.001		0.013	0.010		0.003	0.003	
8:45	0.000	0.000		0.001	0.001		0.038	0.018		0.004	0.003	
9:00	0.009	0.003	0.001	0.002	0.002	0.001	0.011	0.010	0.012	0.005	0.004	0.003
9:15	0.000	0.000		0.002	0.002		0.016	0.013		0.005	0.004	
9:30	0.000	0.000		0.002	0.002		0.020	0.014		0.005	0.005	
9:45	0.000	0.000		0.002	0.002		0.014	0.013		0.007	0.006	
10:00	0.000	0.000	0.000	0.004	0.003	0.002	0.023	0.016	0.014	0.006	0.005	0.005
10:15	0.000	0.000		0.004	0.003		0.017	0.014		0.012	0.007	
10:30	0.000	0.000		0.004	0.003		0.019	0.016		0.009	0.006	
10:45	0.000	0.000		0.003	0.003		0.019	0.017		0.016	0.009	
11:00	0.000	0.000	0.000	0.004	0.003	0.003	0.016	0.014	0.015	0.010	0.007	0.007
11:15	0.000	0.000		0.005	0.003		0.017	0.014		0.010	0.007	
11:30	0.000	0.000		0.004	0.003		0.016	0.014		0.011	0.008	
11:45	0.000	0.000		0.003	0.002		0.013	0.013		0.005	0.005	
12:00	0.000	0.000	0.000	0.004	0.004	0.003	0.017	0.015	0.014	0.010	0.007	0.007
12:15	0.000	0.000		0.009	0.004		0.017	0.014		0.007	0.006	
12:30	0.000	0.000		0.004	0.003		0.016	0.014		0.007	0.006	
12:45	0.000	0.000		0.004	0.004		0.013	0.013		0.009	0.008	
13:00	0.000	0.000	0.000	0.003	0.003	0.004	0.035	0.022	0.016	0.007	0.007	0.007
13:15	0.000	0.000		0.003	0.003		0.016	0.012		0.009	0.007	
13:30	0.000	0.000		0.004	0.003		0.017	0.016		0.009	0.007	
13:45	0.000	0.000		0.003	0.002		0.036	0.023		0.012	0.008	
14:00	0.000	0.000	0.000	0.003	0.003	0.003	0.019	0.018	0.017	0.007	0.007	0.007
14:15	0.000	0.000		0.004	0.003		0.030	0.022		0.013	0.009	
14:30	0.000	0.000		0.004	0.003		0.015	0.010		0.009	0.007	
14:45	0.000	0.000		0.003	0.002		0.023	0.015		0.009	0.007	
15:00	0.000	0.000	0.000	0.004	0.003	0.003	0.012	0.012	0.015	0.008	0.007	0.007
15:15	0.000	0.000		0.004	0.003		0.014	0.014		0.005	0.005	
15:30	0.000	0.000		0.003	0.002		0.015	0.010		0.015	0.010	
15:45	0.000	0.000		0.003	0.001		0.013	0.009		0.012	0.008	
16:00	0.000	0.000	0.000	0.003	0.002	0.002	0.016	0.012	0.011	0.010	0.008	0.008

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, June 28, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations (ppm)											
	HS1			HS2			HS3			HS4		
	Downwind/Upwind			Downwind			Upwind/Downwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:15	0.000	0.000		0.003	0.002		0.010	0.008		0.008	0.007	
16:30	0.000	0.000		0.004	0.003		0.014	0.014		0.017	0.009	
16:45	0.000	0.000		0.004	0.002		0.014	0.014		0.006	0.005	
17:00	0.000(b)	0.000(b)	0.000(b)	0.003	0.002	0.002	0.016	0.014	0.013	0.007	0.005	0.006
17:15	(c)	(c)		0.000(b)	0.000(b)		0.014(b)	0.013(b)		0.006	0.005	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	0.000(b)	(c)	(c)	0.013(b)	(c)	(c)	0.005(b)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**			**0.002**			**0.013**			**0.006**		
Sampler Start Time	7:06 AM			7:20 AM			7:29 AM			6:58 AM		
Sampler End Time	4:50 PM			5:08 PM			5:12 PM			5:15 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Recorded averages reported to the closest time interval.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

Wind from the south until approximately 9:30, then shifted and was from the north.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, June 28, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind/Upwind	**Downwind**	**Upwind/Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	14.1(b)	27.1(b)	(a)	14.5(b)
6:30	14.8	6.9	(a)	17.0
7:00	15.0	8.1	(a)	16.5
7:30	16.2	11.3	62.7(b)	12.1
8:00	13.1	10.4	20.9	12.8
8:30	10.2	7.5	20.6	8.0
9:00	7.4	5.0	35.7	5.5
9:30	6.2	4.0	42.0	4.5
10:00	5.7	5.7	32.2	12.6
10:30	6.0	7.0	30.0	28.5
11:00	6.1	5.3	37.7	21.7
11:30	10.3	7.0	22.0	13.0
12:00	10.5	6.0	**77.3(e)**	14.2
12:30	7.3	5.3	**81.3(e)**	11.4
13:00	8.9	5.7	45.8	19.8
13:30	8.9	5.3	39.2	13.3
14:00	10.4	5.1	46.2	18.9
14:30	9.9	6.2	20.5	16.5
15:00	8.5	6.5	25.3	9.0
15:30	10.4	6.0	17.0	18.5
16:00	12.7	4.4	8.0	8.6
16:30	13.5	5.9	10.0	12.0
17:00	19.6(b)	5.0	7.8	7.8
17:30	(c)	4.7(b)	6.6(b)	6.2(b)
18:00	(c)	(c)	(c)	(c)
Daily Average	**10.5**	**6.4**	**32.3**	**13.5**
Sampler Start Time	5:57 AM	5:59 AM	7:26 AM	5:50 AM
Sampler End Time	16:54 PM	17:08 PM	17:12 PM	17:18 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Wind from the south until approximately 9:30. At this time, DR2 and DR4 were relocated so that DR3 was downwind.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to Volvos excavating bermed material and grading area in close proximity to station.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, June 29, 2004**

1) Exceedances:
There was one recorded exceedance of the Particulate Matter Action Limit (downwind monitor greater than 52 ug/m3 of upwind concentration) at Station 3 (DR3)

Time Period	Downwind TWA (ug/m3)	Upwind TWA (ug/m3)	Difference (ug/m3)
12:01 - 12:30	85.9	10.9	75.0

The exceedance was related to an excavator working in the work zone within 25 feet of station.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 67 °F
Average wind speed: 2.4 meters/second
Predominant wind direction: North (see below)

5) Site Activity:
Start Time: 7:30 AM (Began applying cement at 6:30 am)
Stop Time: 4:30 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
The wind was from the south until approximately 8:45 then shifted to the north. At this time, Station 2 and Station 4 were relocated so that Station 3 was downwind.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 29, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind/Upwind		Downwind		Upwind/Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(e)	(e)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(e)	(e)	(a)	(a)	(a)	(a)
6:30	0.016(b)	0.004(b)	(e)	(e)	(a)	(a)	0.001(b)	0.000(b)
6:45	0.032	0.002	(e)	(e)	(a)	(a)	0.295	0.040
7:00	0.031	0.002	(e)	(e)	0.279(b)	0.127(b)	0.407	0.063
7:15	0.020	0.000	(e)	(e)	0.387	0.094	0.325	0.108
7:30	0.000	0.000	(e)	(e)	0.997	0.046	0.493	0.175
7:45	0.000	0.000	(e)	(e)	0.255	0.002	0.580	0.264
8:00	0.000	0.000	(e)	(e)	0.575	0.004	0.704	0.369
8:15	0.000	0.000	(e)	(e)	7.013	0.200	0.878	0.494
8:30	0.000	0.000	(e)	(e)	0.198	0.001	0.932	0.603
8:45	0.000	0.000	(e)	(e)	3.759	0.048	1.003	0.634
9:00	0.074	0.001	0.215(b)	0.151(b)	1.824	0.013	0.733	0.394
9:15	0.020	0.000	0.213	0.097	14.524	0.359	0.573	0.257
9:30	0.039	0.001	0.386	0.119	0.055	0.000	0.548	0.217
9:45	0.034	0.002	0.282	0.105	2.721	0.083	0.546	0.238
10:00	0.031	0.003	0.360	0.103	8.210	0.512	0.572	0.258
10:15	0.032	0.002	0.297	0.102	4.271	0.420	0.543	0.224
10:30	0.040	0.002	0.302	0.090	1.452(d)	0.093(d)	0.500	0.201
10:45	0.063	0.005	0.282	0.119	5.160(d)	0.884(d)	0.441	0.142
11:00	0.031	0.003	0.239	0.087	5.445	0.431	0.418	0.147
11:15	0.026	0.002	0.292	0.130	11.197	1.487	0.344	0.143
11:30	0.030	0.001	0.650	0.144	6.086	1.828	0.435	0.138
11:45	0.026	0.001	0.468	0.112	7.409(d)	1.809(d)	0.372	0.114
12:00	0.027	0.001	0.444	0.114	6.786(d)	1.461(d)	0.356	0.102
12:15	0.022	0.000	0.483	0.109	2.508	0.968	0.384	0.087
12:30	0.015	0.000	0.342	0.112	2.386	0.909	0.357	0.095
12:45	0.023	0.000	0.387	0.108	9.390	1.845	0.331	0.089
13:00	0.014	0.000	0.295	0.063	11.801	2.496	0.340	0.087
13:15	0.011	0.000	0.344	0.102	5.048	1.720	0.289	0.079
13:30	0.073	0.002	0.216	0.070	4.822	0.814	0.321	0.079
13:45	0.065	0.002	0.145	0.042	7.421	1.170	0.411	0.084
14:00	0.084	0.002	0.184	0.030	8.068	0.744	0.366	0.093
14:15	0.015	0.000	0.224	0.038	21.161	2.093	0.348	0.083
14:30	0.010	0.000	0.338	0.095	13.411	1.714	0.401	0.087
14:45	0.058	0.001	0.163	0.022	11.042	1.704	0.396	0.088

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 29, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind/Upwind		Downwind		Upwind/Downwind		Downwind	
Time of Day	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**
	ppm		ppm		ppm		ppm	
15:00	0.020	0.000	0.312	0.042	9.413	1.121	0.307	0.081
15:15	0.032	0.002	0.195	0.050	15.759	0.724	0.379	0.087
15:30	0.023	0.001	0.465	0.059	9.952	1.354	0.386	0.087
15:45	0.054	0.001	0.211	0.048	6.988	1.613	0.366	0.081
16:00	0.098	0.005	0.061	0.023	5.280	1.041	0.345	0.096
16:15	0.009	0.000	0.213	0.051	8.300	1.345	0.404	0.081
16:30	0.030	0.000	0.300	0.050	9.873	1.771	0.371	0.079
16:45	1.508	0.011	0.221	0.050	2.844	0.740	0.389	0.088
17:00	0.066(b)	0.010(b)	0.087(b)	0.044(b)	2.517	0.823	0.356	0.084
17:15	(c)	(c)	(c)	(c)	2.099(b)	0.632(b)	0.317(b)	0.092(b)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.001**		**0.080**		**0.909**		**0.166**	
Sampler Start Time	6:30 AM		9:00 AM		7:00 AM		6:29 AM	
Sampler End Time	16:47 PM		16:53 PM		17:02 PM		17:07 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Wind from the South until approximately 8:45 then shifted to the north. At this time, Station 2 and Station 4 were relocated so that Station 3 was downwind.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) No data due to instrument recalibration and switch out with field 2.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 29, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations (ppm)											
	HS1			HS2			HS3			HS4		
	Downwind/Upwind			Downwind			Upwind/Downwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	0.000(b)	0.000(b)		0.002(b)	0.002(b)		(a)	(a)		(a)	(a)	
7:00	0.000	0.000	0.000(b)	0.002	0.002	0.002(b)	0.026(b)	0.026(b)	0.026(b)	0.003(b)	0.002(b)	0.002(b)
7:15	0.000	0.000		0.002	0.002		0.023	0.019		0.002	0.001	
7:30	0.000	0.000		0.001	0.001		0.027	0.022		0.003	0.003	
7:45	0.000	0.000		0.001	0.000		0.031	0.025		0.003	0.002	
8:00	0.000	0.000	0.000	0.000	0.000	0.001	0.030	0.025	0.023	0.003	0.003	0.002
8:15	0.000	0.000		0.000	0.000		0.029	0.024		0.003	0.002	
8:30	0.000	0.000		0.000	0.000		0.025	0.019		0.002	0.002	
8:45	0.000	0.000		0.000	0.000		0.022	0.019		0.002	0.002	
9:00	0.000	0.000	0.000	0.001	0.000	0.000	0.019	0.018	0.020	0.003	0.003	0.002
9:15	0.000	0.000		0.000	0.000		0.023	0.022		0.003	0.002	
9:30	0.000	0.000		0.004	0.003		0.026	0.021		0.004	0.003	
9:45	0.000	0.000		0.003	0.002		0.024	0.023		0.004	0.004	
10:00	0.000	0.000	0.000	0.002	0.002	0.002	0.028	0.027	0.023	0.004	0.004	0.003
10:15	0.002	0.002		0.002	0.001		0.025	0.022		0.006	0.005	
10:30	0.001	0.000		0.004	0.002		0.027	0.020		0.007	0.006	
10:45	0.000	0.000		0.002	0.002		0.029	0.021		0.006	0.005	
11:00	0.003	0.001	0.001	0.004	0.002	0.002	0.025	0.019	0.021	0.006	0.005	0.005
11:15	0.001	0.000		0.004	0.002		0.024	0.022		0.007	0.006	
11:30	0.000	0.000		0.004	0.002		0.024	0.020		0.006	0.005	
11:45	0.001	0.000		0.003	0.002		0.035	0.031		0.007	0.005	
12:00	0.005	0.002	0.001	0.003	0.003	0.002	0.030	0.028	0.025	0.005	0.005	0.005
12:15	0.004	0.003		0.002	0.002		0.036	0.025		0.007	0.005	
12:30	0.003	0.001		0.003	0.002		0.043	0.034		0.005	0.004	
12:45	0.004	0.002		0.003	0.003		0.053	0.036		0.013	0.007	
13:00	0.004	0.002	0.002	0.004	0.003	0.002	0.043	0.039	0.033	0.007	0.005	0.005
13:15	0.008	0.003		0.006	0.003		0.051	0.037		0.006	0.005	
13:30	0.008	0.005		0.003	0.002		0.033	0.023		0.006	0.005	
13:45	0.010	0.005		0.003	0.003		0.022	0.017		0.013	0.007	
14:00	0.004	0.003	0.004	0.004	0.003	0.003	0.023	0.020	0.024	0.013	0.008	0.006
14:15	0.003	0.003		0.004	0.004		0.053	0.038		0.007	0.006	
14:30	0.004	0.002		0.003	0.002		0.053	0.039		0.006	0.005	
14:45	0.003	0.002		0.004	0.002		0.035	0.028		0.009	0.007	
15:00	0.003	0.002	0.002	0.004	0.003	0.003	0.027	0.025	0.033	0.009	0.007	0.006
15:15	0.005	0.003		0.003	0.002		0.024	0.021		0.007	0.007	
15:30	0.003	0.003		0.004	0.003		0.035	0.028		0.009	0.007	
15:45	0.004	0.003		0.003	0.003		0.035	0.027		0.007	0.006	
16:00	0.003	0.003	0.003	0.003	0.002	0.003	0.025	0.022	0.025	0.009	0.008	0.007
16:15	0.003	0.002		0.003	0.002		0.047	0.029		0.008	0.007	
16:30	0.003	0.003		0.003	0.002		0.029	0.023		0.007	0.007	
16:45	0.003	0.003		0.004	0.002		0.030	0.024		0.006	0.006	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 29, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations (ppm)											
	HS1			**HS2**			**HS3**			**HS4**		
	Downwind/Upwind			**Downwind**			**Upwind/Downwind**			**Downwind**		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			**ppm**			**ppm**			**ppm**		
17:00	0.003(b)	0.003(b)	0.003(b)	0.000(b)	0.000(b)	0.002(b)	0.047	0.033	0.027	0.006	0.006	0.006
17:15	(c)	(c)		(c)	(c)		0.018(b)	0.0018(b)		0.007(b)	0.007(b)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	0.018(b)	(c)	(c)	0.007(b)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.001**			**0.002**			**0.025**			**0.005**		
Sampler Start Time	6:41 AM			6:47 AM			7:05 AM			6:54 AM		
Sampler End Time	4:53 PM			4:54 PM			5:02 PM			5:08 PM		

Low value is the lowest 1-minute logged data in each 15-minute period

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Recorded averages reported to the closest time interval.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

Wind from the South until approximately 8:45 then shifted to the north. At this time, Station 2 and Station 4 were relocated so that Station 3 was downwind.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, June 29, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind/Upwind	**Downwind**	**Upwind/Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:00	(a)	(a)	(a)	14.0(b)
6:30	15.9	7.6(b)	17.9(b)	16.4
7:00	20.9	14.8	24.3	17.5
7:30	24.4	33.4	30.0	20.8
8:00	22.5	12.6	35.9	18.7
8:30	21.0	13.3	31.6	18.4
9:00	19.0	12.3	27.1	18.2
9:30	15.3	11.9	29.2	15.0
10:00	13.9	15.1	21.0	14.3
10:30	15.8	14.2	21.7	16.6
11:00	13.7	11.6	17.5	14.5
11:30	12.2	11.2	23.0	23.0
12:00	12.0	11.8	22.1	25.2
12:30	10.9	9.2	**85.9(e)**	9.6
13:00	11.6	9.6	43.2	22.3
13:30	13.2	10.8	24.2	18.0
14:00	24.5	12.1	59.8	21.5
14:30	18.2	13.2	47.6	19.4
15:00	18.6	9.7	29.8	18.9
15:30	20.5	10.3	33.9	21.0
16:00	35.5	10.4	33.2	24.0
16:30	16.9	11.8	29.3	24.0
17:00	17.4(b)	11.0	20.3	16.4
17:30	(c)	(c)	16.5(b)	14.9(b)
18:00	(c)	(c)	(c)	(c)
Daily Average	**17.9**	**12.7**	**32.2**	**18.7**
Sampler Start Time	6:01 AM	6:04 AM	6:08 AM	5:58 AM
Sampler End Time	16:54 PM	17:00 PM	17:04 PM	17:11 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Wind from the South until approximately 8:45. At this time, DR2 and DR4 were relocated so that DR3 was downwind.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to excavator working in work zone within 25 feet of station.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, June 30, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 70 °F
Average wind speed: 3.9 meters/second
Predominant wind direction: North

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	4:15 PM
Description:	Excavated stabilized material.

6) Other:

No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 30, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	0.017(b)	0.000(b)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.029	0.001	0.281(b)	0.162(b)	0.345(b)	0.117(b)	(a)	(a)
7:00	0.026	0.000	1.308	0.661	0.310	0.031	0.872(b)	0.237(b)
7:15	0.002	0.000	1.028	0.922	0.000	0.000	0.912	0.210
7:30	0.000	0.000	1.333	0.946	0.000	0.000	0.998	0.336
7:45	0.000	0.000	1.159	0.966	0.000	0.000	1.248	0.601
8:00	0.000	0.000	1.629	0.929	0.000	0.000	1.841	1.122
8:15	0.001	0.000	1.343	0.897	1.643	0.057	1.688	0.836
8:30	0.005	0.000	1.401	0.914	0.493	0.004	1.270	0.632
8:45	0.016	0.000	1.203	0.895	3.308	0.430	0.991	0.467
9:00	0.016	0.000	1.197	0.939	2.442	0.311	1.091	0.410
9:15	0.015	0.000	1.367	0.941	1.935	0.219	1.072	0.354
9:30	0.006	0.000	1.243	0.885	0.584	0.174	0.951	0.340
9:45	0.017	0.000	1.211	0.899	0.755	0.224	0.777	0.309
10:00	0.011	0.000	1.758	1.145	1.827	0.246	0.817	0.288
10:15	0.010	0.000	1.650	1.190	3.827	0.473	0.799	0.272
10:30	0.015	0.000	1.762	1.183	3.199	0.815	0.733	0.240
10:45	0.002	0.000	1.815	1.178	3.380	0.825	0.672	0.216
11:00	0.004	0.000	2.018	1.273	3.292	0.793	0.854	0.220
11:15	0.006	0.000	1.669	1.135	3.955	0.790	0.796	0.232
11:30	0.000	0.000	1.586	1.212	3.890	0.899	0.649	0.213
11:45	0.004	0.000	1.760	1.089	3.165	0.904	0.845	0.229
12:00	0.005	0.000	1.817	1.123	2.403	0.717	0.766	0.218
12:15	0.002	0.000	1.427	1.021	1.716	0.531	0.729	0.230
12:30	0.050	0.000	1.939	0.965	1.505	0.553	0.721	0.213
12:45	0.000	0.000	1.558	1.011	2.655	0.815	0.714	0.225
13:00	0.000	0.000	1.413	1.054	2.891	0.950	0.790	0.217
13:15	0.000	0.000	1.831	1.143	3.832	1.120	0.808	0.225
13:30	0.000	0.000	1.506	1.102	3.504	1.133	0.861	0.234
13:45	0.000	0.000	1.638	1.090	1.959	0.887	0.765	0.233
14:00	0.146	0.001	1.344	1.003	2.877	0.866	0.729	0.228
14:15	0.065	0.001	1.396	0.944	2.254	0.611	0.887	0.264

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 30, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
14:30	0.129	0.003	1.131	0.920	2.077	0.481	0.894	0.282
14:45	0.000	0.000	1.625	1.015	2.548	0.640	0.786	0.265
15:00	0.000	0.000	1.417	0.996	3.998	0.953	0.846	0.263
15:15	0.000	0.000	1.522	1.049	2.425	0.852	0.905	0.252
15:30	0.000	0.000	1.438	0.992	2.861	0.660	0.796	0.251
15:45	0.000	0.000	1.543	1.098	2.743	0.895	0.918	0.255
16:00	0.001	0.000	1.484	1.047	3.032	0.947	0.944	0.252
16:15	0.049	0.001	1.297	0.965	2.270	0.887	0.877	0.255
16:30	0.000	0.000	1.535	1.001	2.761	0.745	0.808	0.262
16:45	0.001	0.000	1.509(b)	1.031(b)	1.469	0.599	0.796	0.265
17:00	0.000(b)	0.000(b)	(c)	(c)	1.662(b)	0.613(b)	0.820	0.263
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**		**1.000**		**0.574**		**0.316**	
Sampler Start Time	6:26 AM		6:32 AM		6:43 AM		6:54 AM	
Sampler End Time	16:54 PM		16:43 PM		16:52 PM		17:00 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 30, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	0.000	0.000		0.008(b)	0.006(b)		(a)	(a)		(a)	(a)	
7:00	0.002	0.001	0.000(b)	0.006	0.004	0.005(b)	0.021(b)	0.017(b)	0.017(b)	0.002(b)	0.002(b)	0.002(b)
7:15	0.000	0.000		0.004	0.003		0.034	0.024		0.002	0.002	
7:30	0.002	0.001		0.004	0.002		0.027	0.025		0.005	0.003	
7:45	0.000	0.000		0.002	0.001		0.049	0.036		0.003	0.003	
8:00	0.000	0.000	0.000	0.006	0.003	0.003	0.028	0.024	0.027	0.003	0.003	0.003
8:15	0.000	0.000		0.009	0.004		0.025	0.024		0.004	0.003	
8:30	0.000	0.000		0.005	0.003		0.032	0.026		0.004	0.003	
8:45	0.001	0.000		0.004	0.003		0.029	0.024		0.005	0.005	
9:00	0.001	0.000	0.000	0.004	0.004	0.004	0.022	0.019	0.023	0.005	0.005	0.004
9:15	0.003	0.001		0.004	0.003		0.029	0.026		0.005	0.005	
9:30	0.003	0.002		0.004	0.003		0.023	0.021		0.005	0.004	
9:45	0.001	0.001		0.006	0.005		0.023	0.022		0.005	0.004	
10:00	0.001	0.001	0.001	0.007	0.006	0.004	0.027	0.021	0.023	0.005	0.004	0.004
10:15	0.002	0.001		0.006	0.004		0.018	0.014		0.007	0.006	
10:30	0.002	0.002		0.006	0.004		0.021	0.019		0.005	0.005	
10:45	0.002	0.002		0.004	0.004		0.023	0.021		0.005	0.005	
11:00	0.003	0.002	0.002	0.004	0.004	0.004	0.033	0.025	0.020	0.005	0.005	0.005
11:15	0.002	0.002		0.007	0.004		0.022	0.020		0.008	0.006	
11:30	0.003	0.002		0.005	0.004		0.022	0.019		0.005	0.005	
11:45	0.003	0.003		0.004	0.003		0.024	0.021		0.007	0.006	
12:00	0.004	0.003	0.003	0.004	0.003	0.003	0.027	0.023	0.021	0.005	0.005	0.006
12:15	0.003	0.003		0.004	0.003		0.019	0.017		0.005	0.005	
12:30	0.003	0.003		0.003	0.002		0.020	0.018		0.006	0.005	
12:45	0.004	0.003		0.003	0.002		0.020	0.019		0.006	0.006	
13:00	0.004	0.003	0.003	0.009	0.005	0.003	0.024	0.021	0.019	0.007	0.007	0.006
13:15	0.003	0.003		0.003	0.002		0.023	0.020		0.008	0.007	
13:30	0.004	0.003		0.004	0.003		0.021	0.020		0.006	0.006	
13:45	0.004	0.003		0.003	0.002		0.021	0.020		0.007	0.006	
14:00	0.003	0.003	0.003	0.004	0.003	0.003	0.019	0.018	0.020	0.007	0.007	0.006
14:15	0.005	0.004		0.003	0.003		0.022	0.018		0.007	0.006	
14:30	0.005	0.005		0.003	0.002		0.017	0.016		0.008	0.007	
14:45	0.005	0.005		0.001	0.001		0.021	0.018		0.007	0.007	
15:00	0.004	0.004	0.005	0.002	0.001	0.002	0.033	0.025	0.019	0.007	0.006	0.007
15:15	0.004	0.004		0.007	0.003		0.019	0.018		0.009	0.008	
15:30	0.004	0.004		0.002	0.001		0.022	0.019		0.008	0.007	
15:45	0.005	0.004		0.002	0.001		0.022	0.018		0.007	0.007	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 30, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:00	0.005	0.005	0.004	0.002	0.002	0.002	0.024	0.020	0.019	0.009	0.008	0.007
16:15	0.005	0.005		0.003	0.002		0.021	0.017		0.007	0.007	
16:30	0.005	0.005		0.004	0.003		0.020	0.019		0.007	0.007	
16:45	0.005	0.005		0.003	0.002		0.016	0.013		0.007	0.007	
17:00	0.005(b)	0.005(b)	0.005(b)	0.002(b)	0.002(b)	0.002(b)	0.026(b)	0.020(b)	0.017(b)	0.007	0.007	0.007
17:15	(c)	(c)		(c)	(c)		(c)	(c)		0.007(b)	0.007(b)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	0.007(b)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.002**			**0.003**			**0.021**			**0.005**		
Sampler Start Time	6:33 AM			6:39 AM			6:47 AM			6:57 AM		
Sampler End Time	4:58 PM			4:46 PM			4:53 PM			5:02 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, June 30, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	26.5(b)	24.3(b)	27.5(b)	22.4(b)
7:30	31.6	18.5	36.9	33.4
8:00	24.2	17.8	37.2	31.9
8:30	17.0	15.5	20.4	17.0
9:00	15.7	15.8	20.7	15.1
9:30	18.6	14.3	19.2	13.5
10:00	12.3	11.2	15.3	11.3
10:30	10.9	12.0	19.9	10.1
11:00	10.6	10.2	24.2	11.2
11:30	10.6	9.4	27.2	10.7
12:00	12.9	8.7	28.2	12.4
12:30	9.9	6.3	11.0	8.7
13:00	8.0	6.1	27.2	12.0
13:30	8.9	7.2	47.0	15.4
14:00	9.9	8.2	52.5	19.5
14:30	41.4	6.7	21.7	15.0
15:00	12.5	6.1	21.9	15.5
15:30	11.2	8.1	37.9	15.2
16:00	11.8	8.7	31.2	16.0
16:30	14.2	8.9	51.8	16.2
17:00	14.0	10.5(b)	25.0(b)	13.5
17:30	14.2(b)	(c)	(c)	16.2(b)
18:00	(c)	(c)	(c)	(c)
Daily Average	**15.8**	**11.0**	**28.8**	**15.8**
Sampler Start Time	6:32 AM	6:37 AM	6:44 AM	6:53 AM
Sampler End Time	17:02 PM	16:49 PM	16:55 PM	17:05 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, July 1, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 74 °F
Average wind speed: 1.95 meters/second
Predominant wind direction: South

5) Site Activity:
Start Time: 7:15 AM
Stop Time: 4:15 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 1, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.055(b)	0.012(b)	(a)	(a)	(a)	(a)	0.091(b)	0.009(b)
7:00	0.181	0.004	0.150(b)	0.028(b)	(a)	(a)	0.691	0.048
7:15	0.034	0.002	0.114	0.030	0.307(b)	0.108(b)	0.586	0.101
7:30	0.024	0.001	0.149	0.015	0.334	0.061	0.581	0.143
7:45	0.016	0.000	0.296	0.056	0.178	0.009	0.506	0.156
8:00	0.013	0.000	0.435	0.035	0.065	0.004	0.610	0.171
8:15	0.243	0.008	0.999	0.280	0.090	0.002	0.603	0.204
8:30	0.017	0.000	0.985	0.812	2.534	0.118	0.598	0.209
8:45	0.039	0.002	1.024	0.847	0.087	0.004	0.716	0.209
9:00	0.033	0.001	1.170	0.885	1.985	0.093	0.703	0.227
9:15	0.054	0.001	1.168	0.839	2.875	0.098	0.631	0.198
9:30	0.027	0.000	0.900	0.808	0.723	0.078	0.725	0.188
9:45	0.006	0.000	0.952	0.806	0.938	0.087	0.609	0.138
10:00	0.017	0.000	0.999	0.829	3.554	0.121	0.551	0.132
10:15	0.007	0.000	0.978	0.838	0.242	0.058	0.601	0.118
10:30	0.095	0.005	1.222	0.888	0.599	0.101	0.670	0.122
10:45	0.018	0.000	1.058	0.867	0.779	0.111	0.741	0.126
11:00	0.010	0.000	1.132	0.831	0.311	0.108	0.780	0.135
11:15	0.009	0.000	1.096	0.808	0.589	0.123	0.890	0.178
11:30	0.010	0.000	1.389	0.833	2.263	0.266	0.836	0.230
11:45	0.007	0.000	0.975	0.783	0.318	0.119	0.824	0.271
12:00	0.010	0.000	1.078	0.786	0.857	0.118	0.843	0.329
12:15	0.259	0.003	1.780	0.874	2.661	0.285	0.812	0.373
12:30	0.007	0.000	0.797	0.723	3.345	0.384	0.717	0.364
12:45	0.099	0.001	1.182	0.774	5.422	0.760	0.807	0.387
13:00	0.018	0.000	1.054	0.796	2.081	0.419	0.738	0.389
13:15	0.197	0.018	2.439	0.982	1.104	0.183	0.825	0.442
13:30	0.026	0.000	1.653	0.837	0.846	0.139	0.818	0.405
13:45	0.401	0.023	4.162	1.051	0.327	0.113	1.037	0.569
14:00	0.270	0.034	2.317	1.073	1.203	0.138	1.092	0.614
14:15	0.190	0.010	1.697	0.846	0.299	0.115	1.144	0.646

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 1, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
14:30	0.107	0.003	1.046	0.827	0.924	0.119	1.040	0.568
14:45	0.102	0.004	1.639	0.893	0.321	0.116	1.252	0.621
15:00	0.264	0.007	1.342	0.879	0.311	0.108	1.105	0.671
15:15	1.549	0.236	7.220	1.952	0.324	0.106	1.173	0.660
15:30	2.855	0.789	3.895	2.253	0.295	0.103	2.231	1.113
15:45	0.228	0.020	1.669	1.073	0.360	0.106	1.051	0.576
16:00	0.144	0.009	1.858	1.114	0.336	0.092	0.877	0.462
16:15	1.380	0.115	5.139	1.867	0.267	0.081	0.841	0.376
16:30	1.126	0.106	3.665	1.951	0.253	0.040	0.913	0.306
16:45	0.469	0.092	3.372	1.740	0.082	0.003	0.752	0.296
17:00	1.374(b)	0.091(b)	2.349(b)	1.375(b)	0.015(b)	0.000(b)	0.791(b)	0.251(b)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.038**		**0.901**		**0.132**		**0.335**	
Sampler Start Time	6:45 AM		6:50 AM		7:04 AM		6:45 AM	
Sampler End Time	16:54 PM		16:58 PM		16:53 PM		16:56 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 1, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:00	0.005(b)	0.003(b)	0.003(b)	0.002(b)	0.001(b)	0.001(b)	(a)	(a)	(a)	0.023(b)	0.013(b)	0.013(b)
7:15	0.000	0.000		0.004	0.003		0.011(b)	0.010(b)		0.003	0.002	
7:30	0.025	0.008		0.002	0.001		0.011	0.009		0.003	0.002	
7:45	0.001	0.000		0.002	0.001		0.015	0.014		0.002	0.002	
8:00	0.003	0.002	0.003	0.002	0.001	0.001	0.016	0.015	0.012(b)	0.003	0.003	0.002
8:15	0.003	0.003		0.001	0.001		0.022	0.016		0.003	0.002	
8:30	0.004	0.003		0.000	0.000		0.018	0.013		0.003	0.003	
8:45	0.002	0.002		0.002	0.001		0.016	0.015		0.006	0.004	
9:00	0.003	0.003	0.003	0.003	0.002	0.001	0.015	0.014	0.015	0.003	0.003	0.003
9:15	0.003	0.002		0.001	0.001		0.025	0.020		0.004	0.003	
9:30	0.002	0.001		0.000	0.000		0.020	0.018		0.004	0.004	
9:45	0.002	0.002		0.002	0.001		0.018	0.016		0.005	0.004	
10:00	0.002	0.002	0.002	0.004	0.003	0.001	0.020	0.019	0.018	0.005	0.005	0.004
10:15	0.004	0.003		0.003	0.002		0.020	0.018		0.005	0.005	
10:30	0.004	0.003		0.004	0.003		0.018	0.018		0.007	0.006	
10:45	0.005	0.004		0.004	0.004		0.022	0.019		0.006	0.005	
11:00	0.004	0.004	0.004	0.006	0.005	0.003	0.019	0.018	0.018	0.007	0.005	0.005
11:15	0.005	0.005		0.005	0.004		0.022	0.020		0.008	0.007	
11:30	0.005	0.004		0.004	0.004		0.018	0.017		0.007	0.006	
11:45	0.005	0.005		0.005	0.004		0.017	0.015		0.007	0.007	
12:00	0.004	0.003	0.004	0.005	0.004	0.004	0.018	0.016	0.017	0.007	0.007	0.007
12:15	0.006	0.005		0.007	0.004		0.017	0.010		0.008	0.007	
12:30	0.006	0.006		0.007	0.005		0.023	0.018		0.008	0.007	
12:45	0.007	0.006		0.004	0.004		0.016	0.012		0.007	0.007	
13:00	0.005	0.005	0.006	0.005	0.005	0.005	0.016	0.014	0.013	0.007	0.007	0.007
13:15	0.009	0.008		0.004	0.004		0.016	0.010		0.008	0.007	
13:30	0.007	0.006		0.008	0.006		0.015	0.011		0.009	0.008	
13:45	0.010	0.009		0.007	0.006		0.013	0.012		0.009	0.008	
14:00	0.007	0.007	0.007	0.006	0.005	0.005	0.013	0.012	0.011	0.007	0.007	0.008
14:15	0.007	0.007		0.012	0.005		0.013	0.009		0.008	0.008	
14:30	0.007	0.006		0.007	0.005		0.013	0.012		0.009	0.008	
14:45	0.007	0.006		0.007	0.005		0.012	0.012		0.009	0.008	
15:00	0.006	0.005	0.006	0.005	0.004	0.005	0.012	0.011	0.011	0.009	0.008	0.008
15:15	0.009	0.007		0.007	0.004		0.012	0.010		0.009	0.008	
15:30	0.005	0.004		0.001	0.000		0.009	0.008		0.008	0.007	
15:45	0.012	0.008		0.002	0.001		0.008	0.007		0.007	0.005	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 1, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:00	0.008	0.007	0.007	0.002	0.001	0.002	0.010	0.008	0.008	0.009	0.006	0.006
16:15	0.010	0.009		0.002	0.001		0.006	0.006		0.008	0.007	
16:30	0.007	0.006		0.003	0.001		0.006	0.006		0.007	0.006	
16:45	0.005	0.004		0.000	0.000		0.006	0.006		0.007	0.007	
17:00	0.007	0.006	0.006	0.001	0.000	0.001	0.007(b)	0.007(b)	0.006(b)	0.007(b)	0.006(b)	0.006(b)
17:15	(c)	(c)		0.000(b)	0.000(b)		(c)	(c)		(c)	(c)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.005**			**0.003**			**0.013**			**0.006**		
Sampler Start Time	6:52 AM			6:55 AM			7:07 AM			6:48 AM		
Sampler End Time	5:01 PM			5:03 PM			4:55 PM			4:54 PM		

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 1, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	24.8(b)	17.7(b)	19.5(b)	19.3(b)
7:00	42.9	11.7	18.7	55.5
7:30	28.4	15.7	22.5	19.9
8:00	28.9	21.4	20.8	21.4
8:30	32.4	23.2	27.9	23.0
9:00	32.4	23.8	18.9	30.4
9:30	27.7	15.4	20.8	21.5
10:00	30.1	17.9	22.2	22.6
10:30	33.0	19.8	22.9	25.4
11:00	36.8	24.5	24.0	33.5
11:30	35.1	21.3	24.5	25.9
12:00	32.0	17.9	24.5	24.5
12:30	37.1	17.3	35.6	22.0
13:00	33.0	19.5	48.2	27.3
13:30	43.4	24.4	26.0	27.7
14:00	44.8	29.5	22.6	26.8
14:30	40.6	25.8	24.6	28.3
15:00	38.2	29.1	23.0	26.1
15:30	42.5	23.0	24.2	28.1
16:00	45.7	18.2	25.3	29.2
16:30	44.5	21.4	25.9	34.3
17:00	47.4	33.7	28.0(b)	32.1(b)
17:30	51.3(b)	38.1(b)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**36.5**	**21.6**	**25.1**	**27.5**
Sampler Start Time	6:06 AM	6:09 AM	6:16 AM	6:04 AM
Sampler End Time	17:01 PM	17:04 AM	16:55 PM	16:59 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, July 2, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 71 °F
Average wind speed: 2.5 meters/second
Predominant wind direction: North (variable)

5) Site Activity:
Start Time: 7:15 AM
Stop Time: 3:15 PM
Description: Applied Portland cement, stabilized sludge and excavated stabilized material.

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, July 2, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.081(b)	0.019(b)	(a)	(a)	(a)	(a)	0.018(b)	0.002(b)
7:00	0.058	0.000	0.588(b)	0.066(b)	(a)	(a)	0.011	0.001
7:15	0.008	0.000	0.215	0.037	0.397(b)	0.076(b)	0.028	0.010
7:30	0.000	0.000	0.069	0.002	0.130	0.011	0.035	0.017
7:45	0.000	0.000	0.030	0.003	0.000	0.000	0.041	0.023
8:00	0.000	0.000	0.166	0.032	0.000	0.000	0.041	0.025
8:15	0.000	0.000	0.182	0.051	0.000	0.000	0.046	0.025
8:30	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.026
8:45	0.000	0.000	0.004	0.000	0.000	0.000	0.037	0.023
9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.078	0.021
9:15	0.000	0.000	0.029	0.000	0.000	0.000	0.901	0.434
9:30	0.000	0.000	0.000	0.000	0.000	0.000	1.142	0.929
9:45	0.001	0.000	0.043	0.003	0.000	0.000	1.206	0.969
10:00	0.006	0.000	0.033	0.001	0.000	0.000	1.044	0.958
10:15	0.014	0.000	0.000	0.000	0.000	0.000	1.217	0.945
10:30	0.012	0.000	0.071	0.022	0.000	0.000	0.966	0.896
10:45	0.017	0.000	0.073	0.003	0.000	0.000	0.958	0.870
11:00	0.012	0.000	0.413	0.127	0.606	0.154	0.909	0.846
11:15	0.017	0.000	0.670	0.083	0.663	0.188	0.977	0.860
11:30	0.005	0.000	0.265	0.024	0.590	0.193	1.146	0.884
11:45	0.016	0.000	0.501	0.094	0.805	0.268	1.025	0.857
12:00	0.005	0.000	0.302	0.046	1.021	0.255	1.004	0.858
12:15	0.178	0.002	0.191	0.013	0.928	0.262	1.148	0.868
12:30	0.007	0.000	0.250	0.025	1.030	0.257	1.080	0.865
12:45	0.002	0.000	0.367	0.042	0.810	0.287	1.156	0.878
13:00	0.000	0.000	0.703	0.200	0.801	0.327	1.046	0.856
13:15	0.006	0.000	0.620	0.245	1.295	0.290	0.933	0.845
13:30	0.013	0.000	0.294	0.042	1.091	0.319	0.930	0.850
13:45	0.003	0.000	0.495	0.069	0.919	0.285	0.962	0.849
14:00	0.008	0.000	0.434	0.111	0.908	0.304	0.944	0.851
14:15	0.001	0.000	0.579	0.103	1.017	0.321	0.941	0.857

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, July 2, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**
	ppm		ppm		ppm		ppm	
14:30	0.011	0.000	0.369	0.015	0.931	0.352	1.005	0.862
14:45	0.000	0.000	0.804	0.178	0.766	0.246	0.926	0.853
15:00	0.003	0.000	0.596	0.082	1.058	0.353	1.061	0.860
15:15	0.112	0.001	0.584	0.154	0.827	0.338	0.958	0.848
15:30	0.021	0.000	0.509	0.028	1.013	0.249	0.958	0.863
15:45	0.028(b)	0.001(b)	0.005(b)	0.000(b)	0.873	0.214	0.973	0.870
16:00	(c)	(c)	(c)	(c)	0.953(b)	0.531(b)	0.890(b)	0.855(b)
16:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**		**0.054**		**0.160**		**0.642**	
Sampler Start Time	6:44 AM		6:52 AM		7:05 AM		6:39 AM	
Sampler End Time	15:32 PM		15:35 PM		15:46 PM		15:48 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, July 2, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	(a)	(a)		(a)	(a)		(a)	(a)		0.004(b)	0.004(b)	
7:00	0.004(b)	0.003(b)	0.003(b)	0.001(b)	0.001(b)	0.001(b)	(a)	(a)	(a)	0.005	0.004	0.004(b)
7:15	0.008	0.003		0.006	0.004		0.008(b)	0.007(b)		0.004	0.004	
7:30	0.002	0.001		0.003	0.003		0.008	0.007		0.003	0.003	
7:45	0.003	0.002		0.004	0.003		0.006	0.005		0.003	0.003	
8:00	0.004	0.003	0.002	0.004	0.003	0.003	0.008	0.004	0.006(b)	0.003	0.003	0.003
8:15	0.005	0.003		0.004	0.003		0.008(e)	0.007(e)		0.003	0.003	
8:30	0.003	0.002		0.006	0.003		0.008	0.005		0.004	0.003	
8:45	0.003	0.002		0.004	0.003		0.004	0.004		0.004	0.003	
9:00	0.003	0.003	0.002	0.004	0.003	0.003	0.003	0.001	0.004(e)	0.003	0.002	0.003
9:15	0.003	0.002		0.008	0.004		0.008	0.007		0.004	0.003	
9:30	0.004	0.003		0.004	0.002		0.007	0.007		0.004	0.004	
9:45	0.003	0.002		0.007	0.002		0.007	0.007		0.003	0.003	
10:00	0.005	0.003	0.003	0.004	0.002	0.003	0.008	0.007	0.007	0.003	0.002	0.003
10:15	0.005	0.004		0.001	0.001		0.008	0.008		0.004	0.003	
10:30	0.003	0.003		0.001	0.000		0.010	0.008		0.004	0.003	
10:45	0.005	0.004		0.005	0.003		0.010	0.008		0.016	0.008	
11:00	0.004	0.004	0.004	0.004	0.003	0.002	0.019	0.014	0.009	0.006	0.005	0.005
11:15	0.005	0.005		0.007	0.005		0.011	0.011		0.007	0.006	
11:30	0.005	0.004		0.003	0.002		0.011	0.010		0.008	0.007	
11:45	0.005	0.005		0.004	0.001		0.011	0.010		0.007	0.007	
12:00	0.004	0.004	0.005	0.002	0.001	0.002	0.012	0.011	0.011	0.007	0.007	0.007
12:15	0.004	0.004		0.000	0.000		0.012	0.010		0.007	0.007	
12:30	0.004	0.004		0.004	0.003		0.011	0.010		0.007	0.006	
12:45	0.005	0.004		0.004	0.003		0.011	0.010		0.006	0.006	
13:00	0.005	0.004	0.004	0.003	0.003	0.002	0.011	0.010	0.010	0.007	0.006	0.006
13:15	0.009	0.006		0.004	0.003		0.015	0.014		0.007	0.006	
13:30	0.005	0.005		0.004	0.003		0.015	0.012		0.009	0.007	
13:45	0.005	0.005		0.007	0.005		0.011	0.010		0.007	0.006	
14:00	0.007	0.005	0.005	0.003	0.002	0.003	0.011	0.010	0.012	0.013	0.009	0.007
14:15	0.009	0.004		0.003	0.003		0.012	0.011		0.009	0.008	
14:30	0.006	0.005		0.004	0.003		0.011	0.010		0.009	0.008	
14:45	0.005	0.004		0.006	0.004		0.012	0.011		0.009	0.008	
15:00	0.004	0.004	0.004	0.004	0.003	0.003	0.015	0.012	0.011	0.009	0.007	0.008
15:15	0.005	0.004		0.003	0.003		0.015	0.012		0.009	0.008	
15:30	0.004	0.004		0.004	0.003		0.013	0.011		0.007	0.006	
15:45	0.005(b)	0.005(b)		0.002(b)	0.002(b)		0.009	0.008		0.007	0.006	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, July 2, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:00	(c)	(c)	0.004(b)	(c)	(c)	0.003(b)	0.012(b)	0.012(b)	0.011(b)	0.007(b)	0.006(b)	0.007(b)
16:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
16:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
16:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.004**			**0.003**			**0.009**			**0.005**		
Sampler Start Time	6:51 AM			7:01 AM			7:10 AM			6:45 AM		
Sampler End Time	3:35 PM			3:43 PM			3:48 PM			3:52 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, July 2, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	72.4(b)	33.7(b)	62.2(b)	60.7(b)
7:00	71.9	32.6	72.6	56.1
7:30	64.8	36.4	58.9	41.0
8:00	61.1	32.8	52.7	38.4
8:30	64.1	35.3	51.4	37.5
9:00	64.2	38.1	47.9	36.7
9:30	60.3	40.5	46.4	39.1
10:00	54.9	34.3	45.9	39.4
10:30	56.8	36.8	49.6	44.7
11:00	40.4	34.4	42.2	34.6
11:30	30.8	18.2	26.7	21.7
12:00	19.5	13.5	20.8	15.3
12:30	24.3	11.2	13.4	9.9
13:00	13.3	9.2	16.0	8.9
13:30	13.9	9.7	20.9	10.7
14:00	12.8	9.5	16.3	10.4
14:30	12.8	8.6	16.7	10.3
15:00	21.6	9.2	17.9	11.6
15:30	13.2	13.9	17.2	12.0
16:00	15.0(b)	8.2(b)	13.3(b)	10.4(b)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**39.9**	**23.5**	**35.1**	**27.5**
Sampler Start Time	6:08 AM	6:14 AM	6:19 AM	6:03 AM
Sampler End Time	15:39 PM	15:44 PM	15:48 PM	15:55 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, July 6, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 69 °F
Average wind speed: 3.2 meters/second
Predominant wind direction: North

5) Site Activity:

Start Time:	6:30 AM
Stop Time:	5:00 PM
Description:	Excavated Stabilized Material, Placed in Landfill

6) Other:

No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 6, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	0.029(b)	0.000(b)
6:45	0.003	0.000	0.000(b)	0.000(b)	(a)	(a)	0.009	0.000
7:00	0.024	0.000	0.213	0.021	0.397(b)	0.085(b)	0.000	0.000
7:15	0.009	0.000	0.204	0.059	0.046	0.001	0.000	0.000
7:30	0.004	0.000	0.141	0.004	0.000	0.000	0.000	0.000
7:45	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8:00	0.000	0.000	0.341	0.029	0.000	0.000	0.000	0.000
8:15	0.000	0.000	0.770	0.106	0.000	0.000	0.000	0.000
8:30	0.000	0.000	1.586	0.103	0.000	0.000	0.000	0.000
8:45	0.000	0.000	0.323	0.112	0.000	0.000	0.000	0.000
9:00	0.000	0.000	0.379	0.148	0.000	0.000	0.000	0.000
9:15	0.000	0.000	0.427	0.141	0.000	0.000	0.000	0.000
9:30	0.000	0.000	0.341	0.143	0.000	0.000	0.000	0.000
9:45	0.000	0.000	2.417	0.178	0.000	0.000	0.000	0.000
10:00	0.000	0.000	0.344	0.150	0.000	0.000	0.000	0.000
10:15	0.000	0.000	0.136	0.070	0.000	0.000	0.000	0.000
10:30	0.000	0.000	0.071	0.016	0.000	0.000	0.110	0.006
10:45	0.005	0.000	0.015	0.000	0.000	0.000	0.456	0.173
11:00	0.000	0.000	0.075	0.005	0.000	0.000	0.486	0.274
11:15	0.005	0.000	0.171	0.007	0.000	0.000	0.525	0.286
11:30	0.000	0.000	0.235	0.015	0.000	0.000	0.407	0.265
11:45	0.006	0.000	0.200	0.017	0.000	0.000	0.488	0.262
12:00	0.000	0.000	0.400	0.063	0.000	0.000	0.532	0.248
12:15	0.005	0.000	0.329	0.038	0.000	0.000	0.540	0.264
12:30	0.000	0.000	0.134	0.019	0.000	0.000	0.370	0.232
12:45	0.003	0.000	0.221	0.005	0.000	0.000	0.686	0.228
13:00	0.003	0.000	0.335	0.016	0.652	0.009	1.091	0.273
13:15	0.000	0.000	0.464	0.056	1.178	0.042	0.621	0.265
13:30	0.000	0.000	0.525	0.053	1.659	0.095	0.604	0.249
13:45	0.000	0.000	0.162	0.015	1.837	0.095	0.718	0.221
14:00	0.000	0.000	0.815	0.165	2.357	0.355	0.856	0.182
14:15	0.000	0.000	1.213	0.220	3.803	0.439	0.501	0.173

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 6, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**
	ppm		ppm		ppm		ppm	
14:30	0.000	0.000	1.160	0.156	1.496	0.211	0.300	0.162
14:45	0.000	0.000	3.284	0.129	1.979	0.270	0.537	0.174
15:00	0.001	0.000	1.496	0.104	1.237	0.172	0.461	0.164
15:15	0.000	0.000	0.702	0.101	0.805	0.186	0.579	0.201
15:30	0.000	0.000	0.514	0.042	1.096	0.267	0.567	0.175
15:45	0.000	0.000	0.717	0.065	0.853	0.287	0.244	0.119
16:00	0.000(d)	0.000(d)	1.374	0.174	1.579	0.344	0.513	0.139
16:15	0.003	0.000	1.029	0.135	1.492	0.418	0.471	0.130
16:30	1.563	0.035	1.719	0.114	2.366	0.412	0.559	0.140
16:45	0.012	0.000	0.113(d)	0.007(d)	1.873	0.421	0.715	0.171
17:00	0.104	0.000	0.188(d)	0.006(d)	1.598	0.549	0.676	0.135
17:15	0.010(b)	0.000(b)	0.000	0.000	1.120	0.309	0.540	0.193
17:30	(c)	(c)	0.000(b)	0.000(b)	0.884(b)	0.220(b)	0.444(b)	0.147(b)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.001**		**0.071**		**0.120**		**0.127**	
Sampler Start Time	6:31 AM		6:36 AM		6:47 AM		6:26 AM	
Sampler End Time	17:14 PM		17:16 PM		17:26 PM		17:28 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 6, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	0.002(b)	0.001(b)		0.000(b)	0.000(b)		(a)	(a)		0.004(b)	0.003(b)	
7:00	0.000	0.000	0.000(b)	0.000	0.000	0.000(b)	0.004(b)	0.003(b)	0.003(b)	0.001	0.001	0.002(b)
7:15	0.000	0.000		0.000	0.000		0.005	0.002		0.003	0.002	
7:30	0.000	0.000		0.000	0.000		0.003	0.002		0.001	0.001	
7:45	0.000	0.000		0.000	0.000		0.001	0.000		0.003	0.002	
8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.001	0.001	0.003	0.001	0.002
8:15	0.000	0.000		0.004	0.002		0.003	0.001		0.002	0.001	
8:30	0.001	0.000		0.007	0.002		0.002	0.001		0.000	0.000	
8:45	0.000	0.000		0.000	0.000		0.010	0.007		0.003	0.001	
9:00	0.000	0.000	0.000	0.000	0.000	0.001	0.011	0.006	0.004	0.000	0.000	0.001
9:15	0.000	0.000		0.001	0.000		0.012	0.005		0.003	0.001	
9:30	0.000	0.000		0.000	0.000		0.000	0.000		0.001	0.000	
9:45	0.000	0.000		0.000	0.000		0.001	0.000		0.002	0.001	
10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.002	0.002	0.002	0.001
10:15	0.000	0.000		0.000	0.000		0.006	0.005		0.002	0.002	
10:30	0.000	0.000		0.000	0.000		0.004	0.004		0.004	0.003	
10:45	0.002	0.001		0.001	0.000		0.011	0.008		0.004	0.004	
11:00	0.001	0.000	0.000	0.002	0.001	0.000	0.019	0.013	0.007	0.003	0.003	0.003
11:15	0.000	0.000		0.000	0.000		0.011	0.009		0.004	0.003	
11:30	0.000	0.000		0.002	0.001		0.009	0.007		0.003	0.002	
11:45	0.000	0.000		0.003	0.001		0.023	0.012		0.003	0.003	
12:00	0.001	0.000	0.000	0.001	0.000	0.001	0.021	0.010	0.009	0.003	0.002	0.003
12:15	0.002	0.001		0.000	0.000		0.029	0.015		0.003	0.002	
12:30	0.002	0.002		0.000	0.000		0.021	0.012		0.003	0.002	
12:45	0.002	0.001		0.000	0.000		0.007	0.006		0.004	0.004	
13:00	0.002	0.002	0.002	0.001	0.000	0.000	0.009	0.007	0.010	0.007	0.004	0.003
13:15	0.002	0.002		0.001	0.000		0.007	0.007		0.004	0.003	
13:30	0.002	0.001		0.000	0.000		0.008	0.007		0.005	0.004	
13:45	0.002	0.001		0.004	0.002		0.009	0.009		0.005	0.004	
14:00	0.002	0.002	0.002	0.001	0.000	0.001	0.017	0.012	0.009	0.007	0.005	0.004
14:15	0.002	0.002		0.002	0.001		0.011	0.009		0.004	0.003	
14:30	0.003	0.002		0.000	0.000		0.010	0.009		0.004	0.003	
14:45	0.003	0.002		0.001	0.001		0.009	0.008		0.004	0.003	
15:00	0.002	0.002	0.002	0.001	0.000	0.000	0.011	0.004	0.008	0.004	0.003	0.003
15:15	0.003	0.003		0.001	0.000		0.011	0.010		0.006	0.004	
15:30	0.003	0.002		0.001	0.000		0.014	0.011		0.004	0.003	
15:45	0.002	0.002		0.000	0.000		0.010	0.009		0.005	0.004	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 6, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:00	0.002	0.002	0.002	0.004	0.002	0.001	0.012	0.011	0.010	0.004	0.004	0.004
16:15	0.002	0.002		0.002	0.001		0.011	0.010		0.005	0.004	
16:30	0.010	0.005		0.005	0.002		0.013	0.011		0.009	0.006	
16:45	0.003	0.003		0.002	0.002		0.012	0.010		0.012	0.006	
17:00	0.003	0.002	0.003	0.002	0.001	0.001	0.016	0.010	0.011	0.004	0.004	0.005
17:15	0.003	0.003		0.001	0.000		0.004	0.001		0.004	0.004	
17:30	(c)	(c)		0.000(b)	0.000(b)		0.011(b)	0.011(b)		0.004	0.004	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		0.004(b)	0.004(b)	
18:00	(c)	(c)	0.003(b)	(c)	(c)	0.000(b)	(c)	(c)	0.006(b)	(c)	(c)	0.004(b)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.001**			**0.000**			**0.007**			**0.003**		
Sampler Start Time	6:38 AM			6:44 AM			6:51 AM			6:33 AM		
Sampler End Time	5:16 PM			5:21 PM			5:24 PM			5:34 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 6, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	14.4(b)
7:00	9.5(b)	5.2(b)	14.6(b)	8.7
7:30	7.1	5.6	17.9	6.7
8:00	6.3	4.0	8.7	7.6
8:30	6.6	5.8	9.7	7.7
9:00	6.1	4.9	11.5	6.7
9:30	10.5	5.8	10.7	7.0
10:00	7.9	8.7	10.9	7.6
10:30	9.9	8.3	12.6	9.8
11:00	10.0	7.3	11.4	10.9
11:30	11.0	9.4	14.0	11.3
12:00	10.6	8.7	14.8	10.4
12:30	7.3	7.0	9.9	8.1
13:00	5.8	5.4	9.3	6.7
13:30	6.1	4.9	8.5	7.7
14:00	4.9	5.1	10.2	6.2
14:30	4.3	5.0	10.8	5.5
15:00	4.6	5.1	10.9	6.6
15:30	4.7	4.2	10.2	5.7
16:00	4.4	5.3	15.2	10.3
16:30	5.5	6.1	19.1	8.7
17:00	5.0	5.2	23.0	9.7
17:30	5.5(b)	3.6(b)	6.6(b)	6.6
18:00	(c)	(c)	(c)	6.3(b)
Daily Average	**7.0**	**6.0**	**12.3**	**8.0**
Sampler Start Time	6:36 AM	6:42 AM	6:47 AM	6:30 AM
Sampler End Time	17:21 PM	17:24 PM	17:28 PM	17:34 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, July 7, 2004**

1) Exceedances:
There were two exceedances of the VOC Action Limit (15-minute TWA greater than 5 ppm) at Station 2. The first exceedance, a 15 minute TWA of 6.289 ppm, occurred during the 4:01 - 4:15 pm averaging period. The second exceedance, a 15 minute TWA of 5.843 ppm, occurred during the 4:31 - 4:45 averaging period. Both exceedances were related to trucks dumping and dozer grading within 50 feet of the monitoring station.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 75 °F
Average wind speed: 1.7 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:30 AM (Began applying cement at am)
Stop Time:	4:30 PM
Description:	Excavated Stabilized Material, Placed Material in Landfill, Graded And Rolled Material in Landfill

6) Other:

No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 7, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.000(b)
7:00	0.036(b)	0.002(b)	1.567(b)	0.149(b)	(a)	(a)	0.084	0.001
7:15	0.102	0.007	0.169	0.007	0.409(b)	0.128(b)	0.012	0.000
7:30	0.037	0.002	0.174	0.019	0.316	0.044	0.061	0.001
7:45	0.037	0.002	0.326	0.065	0.124	0.004	0.004	0.000
8:00	0.018	0.000	0.255	0.093	0.000	0.000	0.002	0.000
8:15	0.021	0.000	1.553	0.189	0.000	0.000	0.002	0.000
8:30	0.025	0.001	0.052	0.011	0.000	0.000	0.000	0.000
8:45	0.029	0.001	0.013	0.000	0.000	0.000	0.000	0.000
9:00	0.043	0.002	4.665	0.913	0.000	0.000	0.948	0.013
9:15	0.032	0.002	2.969	0.313	0.034	0.000	0.000	0.000
9:30	0.040	0.002	0.458	0.028	0.055	0.002	0.911	0.443
9:45	0.043	0.003	8.983	0.652	0.106	0.007	0.944	0.851
10:00	0.028	0.001	14.464	1.761	0.372	0.038	1.119	0.889
10:15	0.036	0.000	14.418	1.650	0.317	0.062	0.970	0.885
10:30	0.019	0.000	26.818	3.596	0.472	0.090	1.106	0.879
10:45	0.194	0.005	16.799	4.050	0.404	0.094	0.983	0.871
11:00	0.035	0.002	11.403	2.141	0.366	0.090	1.011	0.855
11:15	0.041	0.002	5.869	1.377	0.366	0.098	0.896	0.830
11:30	0.079	0.004	5.218(d)	0.795(d)	0.381	0.108	0.904	0.805
11:45	0.049	0.004	7.897	1.467	0.410	0.109	0.880	0.804
12:00	0.029	0.002	5.207	1.038	0.440	0.105	0.937	0.805
12:15	0.047	0.002	4.926	1.013	0.471	0.112	0.841	0.795
12:30	0.394	0.036	4.984	0.825	0.399	0.117	1.129	0.854
12:45	0.121	0.006	3.430	0.657	0.416	0.114	0.861	0.803
13:00	0.460	0.036	5.355	0.662	0.409	0.117	0.989	0.810
13:15	0.095	0.008	7.156	1.484	0.353	0.121	0.927	0.800
13:30	0.091	0.003	5.826	1.862	0.460	0.116	0.853	0.782
13:45	0.024	0.000	7.199	1.234	3.678	0.183	0.865	0.775
14:00	0.052	0.001	6.193	1.213	0.497	0.126	0.941	0.759
14:15	0.167	0.006	5.526	0.942	0.492	0.147	1.471	0.791
14:30	0.019	0.000	7.336	1.053	0.466	0.133	0.864	0.749

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 7, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
14:45	0.032	0.000	9.439	1.160	0.398	0.135	0.793	0.733
15:00	0.035	0.001	4.665	1.423	0.474	0.136	0.781	0.730
15:15	2.064	0.221	7.246	1.376	0.410	0.133	0.950	0.760
15:30	0.279	0.033	6.934	1.761	0.427	0.147	0.923	0.741
15:45	0.014	0.000	4.957	1.409	0.465	0.145	0.771	0.698
16:00	1.521	0.049	14.802	2.052	0.454	0.134	0.740	0.697
16:15	0.334	0.015	34.080	**6.289(e)**	0.479	0.142	0.982	0.704
16:30	0.130	0.002	22.586	4.698	0.480	0.133	0.773	0.689
16:45	1.772	0.056	23.337	**5.843(e)**	0.449	0.139	0.965	0.730
17:00	11.392	3.170	30.289	3.464	0.515	0.132	1.546	0.936
17:15	5.390(b)	2.044(b)	22.742(b)	4.212(b)	0.456	0.130	1.120(b)	0.893(b)
17:30	(c)	(c)	(c)	(c)	0.378(b)	0.148(b)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.109**		**1.530**		**0.092**		**0.592**	
Sampler Start Time	6:48 AM		6:51 AM		7:10 AM		6:44 AM	
Sampler End Time	17:06 PM		17:07 PM		17:17 PM		17:05 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to trucks dumping and dozer grading within 50 feet of station.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 7, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	(a)	(a)		(a)	(a)		(a)	(a)		0.003(b)	0.003(b)	
7:00	0.001(b)	0.001(b)	0.001(b)	0.001(b)	0.001(b)	0.001(b)	(a)	(a)	(a)	0.005	0.003	0.003(b)
7:15	0.001	0.001		0.000	0.000		0.004(b)	0.003(b)		0.004	0.003	
7:30	0.001	0.000		0.000	0.000		0.005	0.004		0.003	0.002	
7:45	0.000	0.000		0.000	0.000		0.006	0.005		0.002	0.002	
8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.004	0.004(b)	0.002	0.001	0.002
8:15	0.002	0.001		0.000	0.000		0.007	0.006		0.005	0.004	
8:30	0.000	0.000		0.000	0.000		0.007	0.003		0.002	0.002	
8:45	0.001	0.001		0.000	0.000		0.004	0.002		0.002	0.002	
9:00	0.003	0.001	0.001	0.000	0.000	0.000	0.008	0.004	0.004	0.003	0.003	0.003
9:15	0.002	0.002		0.000	0.000		0.007	0.004		0.004	0.003	
9:30	0.002	0.002		0.000	0.000		0.008	0.008		0.004	0.003	
9:45	0.002	0.002		0.001	0.000		0.011	0.010		0.005	0.004	
10:00	0.003	0.002	0.002	0.002	0.002	0.001	0.011	0.007	0.007	0.004	0.004	0.003
10:15	0.003	0.003		0.006	0.003		0.010	0.009		0.008	0.005	
10:30	0.003	0.003		0.003	0.002		0.010	0.009		0.005	0.004	
10:45	0.006	0.004		0.004	0.003		0.011	0.010		0.004	0.004	
11:00	0.005	0.004	0.003	0.002	0.002	0.003	0.008	0.008	0.009	0.004	0.004	0.004
11:15	0.006	0.004		0.004	0.003		0.008	0.007		0.005	0.004	
11:30	0.004	0.004		0.005	0.004		0.009	0.008		0.007	0.005	
11:45	0.004	0.002		0.007	0.005		0.008	0.008		0.009	0.006	
12:00	0.006	0.005	0.004	0.004	0.003	0.004	0.010	0.009	0.008	0.007	0.005	0.005
12:15	0.005	0.004		0.004	0.003		0.009	0.008		0.004	0.004	
12:30	0.006	0.005		0.004	0.003		0.010	0.008		0.006	0.005	
12:45	0.018	0.011		0.004	0.003		0.009	0.008		0.005	0.004	
13:00	0.008	0.005	0.007	0.004	0.003	0.003	0.011	0.009	0.008	0.007	0.005	0.005
13:15	0.005	0.004		0.004	0.003		0.009	0.009		0.007	0.006	
13:30	0.013	0.009		0.004	0.003		0.010	0.006		0.009	0.008	
13:45	0.005	0.005		0.004	0.002		0.008	0.005		0.007	0.005	
14:00	0.005	0.005	0.006	0.003	0.003	0.003	0.007	0.005	0.006	0.007	0.006	0.006
14:15	0.005	0.004		0.005	0.003		0.007	0.007		0.007	0.006	
14:30	0.007	0.006		0.004	0.003		0.007	0.004		0.007	0.006	
14:45	0.005	0.005		0.004	0.003		0.015	0.005		0.007	0.006	
15:00	0.007	0.006	0.005	0.002	0.001	0.003	0.008	0.003	0.005	0.005	0.005	0.006
15:15	0.016	0.009		0.003	0.002		0.008	0.004		0.006	0.006	
15:30	0.006	0.005		0.003	0.002		0.005	0.004		0.008	0.007	
15:45	0.005	0.005		0.002	0.002		0.007	0.006		0.006	0.006	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 7, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			**ppm**			**ppm**			**ppm**		
16:00	0.021	0.010	0.007	0.003	0.003	0.002	0.007	0.006	0.005	0.007	0.006	0.006
16:15	0.008	0.007		0.013	0.006		0.006	0.005		0.007	0.006	
16:30	0.007	0.005		0.004	0.003		0.005	0.003		0.007	0.007	
16:45	0.009	0.007		0.002	0.001		0.003	0.003		0.009	0.008	
17:00	0.008	0.007	0.006	0.001	0.000	0.003	0.003	0.003	0.004	0.008	0.007	0.007
17:15	0.009(b)	0.009(b)		0.000(b)	0.000(b)		0.003(b)	0.002(b)		0.006(b)	0.006(b)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	0.009(b)	(c)	(c)	0.000(b)	(c)	(c)	0.002(b)	(c)	(c)	0.006(b)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.004**			**0.002**			**0.006**			**0.005**		
Sampler Start Time	6:54 AM			6:59 AM			7:11 AM			6:50 AM		
Sampler End Time	5:08 PM			5:10 PM			5:13 PM			5:07 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 7, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	15.5(b)	26.0(b)	(a)	22.2(b)
7:30	14.0	16.5	12.3(b)	21.3
8:00	11.5	8.7	9.8	12.8
8:30	9.3	6.0	8.2	12.1
9:00	9.2	4.5	7.6	9.6
9:30	11.5	5.8	7.8	16.7
10:00	9.0	5.3	7.1	11.8
10:30	8.2	5.7	5.7	11.2
11:00	10.6	6.4	4.7	7.0
11:30	12.1	5.8	5.8	15.4
12:00	13.8	6.4	5.8	41.3
12:30	11.3	5.5	6.8	9.3
13:00	13.7	7.0	8.0	11.5
13:30	17.5	9.4	9.7	18.3
14:00	21.6	11.1	12.5	22.2
14:30	29.1	15.0	17.1	18.8
15:00	22.5	13.1	16.9	20.6
15:30	28.7	17.3	20.8	23.1
16:00	28.3	17.6	21.8	20.5
16:30	43.9	23.0	22.6	27.9
17:00	46.3	20.7	22.9	26.2
17:30	48.1(b)	19.1(b)	22.9(b)	33.2(b)
18:00	(c)	(c)	(c)	(c)
Daily Average	**19.1**	**10.8**	**12.0**	**18.2**
Sampler Start Time	6:53 AM	6:57 AM	7:10 AM	6:47 AM
Sampler End Time	17:11 PM	17:15 PM	17:18 PM	17:10 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, July 8, 2004**

1) Exceedances:
There were three exceedances of the VOC Action Limit (15-minute TWA greater than 5 ppm) at Station 2. The first exceedance, a 15 minute TWA of 7.058 ppm, occurred during the 11:01 - 11:15 pm averaging period. The second exceedance, a 15 minute TWA of 6.011 ppm, occurred during the 11:16 - 11:30 averaging period. The third exceedance, a 15 minute TWA of 5.370 ppm, occurred during the 11:31 - 11:45 averaging period. These exceedances were related to dumping and grading of stabilized sludge in close proximity of station.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 74.6 °F
Average wind speed: 2.84 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:15 AM
Stop Time:	4:30 PM
Description:	Excavated Stabilized Material, Dumped material in Landfill, Rolled and Graded material in Landfill

6) Other:

No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 8, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.000(b)	0.000(b)	0.658(b)	0.064(b)	(a)	(a)	(a)	(a)
7:00	0.000	0.000	1.395	0.226	0.210(b)	0.085(b)	0.000(b)	0.000(b)
7:15	0.000	0.000	1.207	0.537	0.305	0.017	0.000	0.000
7:30	0.000	0.000	2.401	0.778	0.000	0.000	0.000	0.000
7:45	0.000	0.000	3.230	1.211	0.000	0.000	0.000	0.000
8:00	0.000	0.000	4.317	1.385	0.000	0.000	0.000	0.000
8:15	0.000	0.000	2.020	1.031	0.000	0.000	16.012	0.073
8:30	0.000	0.000	6.111	1.421	0.000	0.000	0.000	0.000
8:45	0.000	0.000	4.179	1.582	0.000	0.000	0.000	0.000
9:00	0.000	0.000	4.792	1.531	0.000	0.000	0.000	0.000
9:15	0.000	0.000	4.357	1.790	0.000	0.000	2.249	0.010
9:30	0.000	0.000	2.258	1.574	0.000	0.000	0.000	0.000
9:45	0.000	0.000	2.902	1.709	0.000	0.000	0.000	0.000
10:00	0.000	0.000	2.785	1.932	0.000	0.000	0.000	0.000
10:15	0.000	0.000	5.557	2.204	0.000	0.000	0.000	0.000
10:30	0.000	0.000	8.325	3.417	0.000	0.000	0.000	0.000
10:45	0.000	0.000	9.861	4.905	0.000	0.000	0.000	0.000
11:00	0.000	0.000	12.728	4.258	0.000	0.000	0.000	0.000
11:15	0.000	0.000	17.287	**7.058(e)**	0.000	0.000	0.000	0.000
11:30	0.360	0.002	14.016	**6.011(e)**	0.000	0.000	0.000	0.000
11:45	0.000	0.000	10.643	**5.370(e)**	0.000	0.000	0.000	0.000
12:00	0.000	0.000	7.835	4.003	0.000	0.000	0.000	0.000
12:15	0.007	0.000	11.519	3.930	0.000	0.000	0.000	0.000
12:30	0.023	0.000	14.504	4.761	0.035	0.002	0.000	0.000
12:45	0.042	0.002	7.566	3.022	0.130	0.010	0.000	0.000
13:00	0.090	0.004	5.772	1.706	0.102	0.014	0.000	0.000
13:15	0.160	0.004	6.847	1.733	0.287	0.034	0.000	0.000
13:30	0.096	0.005	3.977	1.276	0.225	0.045	0.000	0.000
13:45	0.065	0.003	3.955	0.717	0.294	0.037	0.000	0.000
14:00	0.094	0.003	5.457	1.065	0.238	0.050	0.000	0.000
14:15	0.000	0.000	0.863	0.364	0.259	0.042	0.464	0.014
14:30	0.000	0.000	5.369	0.688	0.542	0.073	0.412	0.012

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 8, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
14:45	0.000	0.000	0.264	0.132	0.240	0.048	0.470	0.025
15:00	0.000	0.000	1.005	0.194	0.598	0.125	0.439	0.011
15:15	0.000	0.000	2.150	0.804	0.212	0.019	0.772	0.105
15:30	0.000	0.000	0.609	0.337	0.273	0.027	0.000	0.000
15:45	0.000	0.000	2.227	0.849	0.071	0.005	1.282	0.338
16:00	0.000	0.000	2.536	0.906	0.000	0.000	0.809	0.276
16:15	0.000	0.000	2.162	0.997	0.000	0.000	0.170	0.002
16:30	0.000	0.000	1.968	1.166	0.000	0.000	0.335	0.008
16:45	0.000	0.000	1.511(d)	1.362(d)	0.000	0.000	0.093	0.001
17:00	0.000(b)	0.000(b)	1.422(b)	1.248(b)	0.000(b)	0.000(b)	0.000(b)	0.000(b)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.001**		**1.970**		**0.014**		**0.022**	
Sampler Start Time	6:36 AM		6:40 AM		6:59 AM		6:52 AM	
Sampler End Time	16:55 PM		16:57 PM		16:56 PM		16:57 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to dumping and grading of stabilized sludge in close proximity of station.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 8, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	0.004(b)	0.004(b)		(a)	(a)		(a)	(a)		(a)	(a)	
7:00	0.005	0.004	0.004(b)	0.013(b)	0.012(b)	0.012(b)	0.000(b)	0.000(b)	0.000(b)	0.005(b)	0.0005(b)	0.005(b)
7:15	0.004	0.003		0.016	0.013		0.006	0.005		0.005	0.004	
7:30	0.004	0.004		0.010	0.008		0.003	0.001		0.007	0.005	
7:45	0.005	0.005		0.008	0.007		0.005	0.002		0.005	0.005	
8:00	0.006	0.005	0.004	0.007	0.007	0.009	0.004	0.003	0.003	0.005	0.005	0.005
8:15	0.005	0.005		0.006	0.005		0.003	0.001		0.009	0.006	
8:30	0.005	0.005		0.005	0.005		0.005	0.005		0.005	0.005	
8:45	0.005	0.005		0.010	0.006		0.005	0.005		0.004	0.004	
9:00	0.004	0.004	0.005	0.008	0.005	0.005	0.006	0.004	0.004	0.004	0.004	0.005
9:15	0.004	0.004		0.004	0.004		0.004	0.004		0.005	0.004	
9:30	0.005	0.004		0.003	0.003		0.004	0.004		0.004	0.004	
9:45	0.004	0.004		0.004	0.003		0.005	0.004		0.004	0.004	
10:00	0.004	0.004	0.004	0.002	0.002	0.003	0.005	0.004	0.004	0.004	0.004	0.004
10:15	0.005	0.004		0.003	0.003		0.005	0.004		0.007	0.005	
10:30	0.004	0.004		0.003	0.002		0.006	0.005		0.006	0.005	
10:45	0.004	0.004		0.007	0.004		0.005	0.004		0.005	0.005	
11:00	0.004	0.004	0.004	0.003	0.002	0.003	0.005	0.004	0.004	0.006	0.005	0.005
11:15	0.005	0.004		0.003	0.002		0.006	0.005		0.006	0.005	
11:30	0.005	0.005		0.002	0.001		0.005	0.004		0.011	0.007	
11:45	0.005	0.004		0.002	0.001		0.006	0.004		0.010	0.007	
12:00	0.004	0.003	0.004	0.002	0.001	0.002	0.006	0.005	0.004	0.006	0.005	0.006
12:15	0.005	0.004		0.002	0.001		0.006	0.005		0.005	0.004	
12:30	0.005	0.004		0.003	0.002		0.006	0.004		0.005	0.005	
12:45	0.005	0.005		0.004	0.003		0.006	0.006		0.008	0.006	
13:00	0.005	0.004	0.004	0.003	0.003	0.002	0.006	0.006	0.005	0.006	0.006	0.005
13:15	0.005	0.004		0.002	0.002		0.006	0.005		0.006	0.006	
13:30	0.005	0.004		0.004	0.003		0.007	0.006		0.006	0.005	
13:45	0.006	0.005		0.004	0.003		0.007	0.007		0.006	0.006	
14:00	0.006	0.005	0.005	0.004	0.003	0.003	0.006	0.006	0.006	0.007	0.007	0.006
14:15	0.005	0.005		0.004	0.002		0.007	0.005		0.007	0.006	
14:30	0.005	0.004		0.003	0.002		0.007	0.007		0.009	0.007	
14:45	0.007	0.006		0.004	0.002		0.007	0.007		0.009	0.007	
15:00	0.004	0.004	0.005	0.002	0.002	0.002	0.007	0.006	0.006	0.007	0.007	0.007
15:15	0.006	0.004		0.004	0.003		0.004	0.003		0.010	0.009	
15:30	0.005	0.004		0.002	0.001		0.006	0.005		0.007	0.006	
15:45	0.004	0.003		0.000	0.000		0.003	0.001		0.006	0.005	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 8, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:00	0.003	0.003	0.004	0.000	0.000	0.001	0.001	0.000	0.002	0.007	0.006	0.007
16:15	0.003	0.003		0.000	0.000		0.000	0.000		0.005	0.004	
16:30	0.003	0.003		0.000	0.000		0.000	0.000		0.005	0.004	
16:45	0.002	0.001		0.000	0.000		0.002	0.001		0.007	0.005	
17:00	0.003(b)	0.002(b)	0.002(b)	0.001	0.000	0.000	0.007(b)	0.006(b)	0.002(b)	0.004(b)	0.004(b)	0.004(b)
17:15	(c)	(c)		0.000(b)	0.000(b)		(c)	(c)		(c)	(c)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	0.000(b)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.004**			**0.003**			**0.004**			**0.005**		
Sampler Start Time	6:43 AM			6:49 AM			7:02 AM			6:55 AM		
Sampler End Time	4:57 PM			5:01 PM			4:55 PM			4:57 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 8, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	37.5(b)	21.7(b)	(a)	36.0(b)
7:30	28.9	21.0	25.2	22.2
8:00	39.2	27.9	28.1	31.0
8:30	50.6	33.5	35.7	39.6
9:00	60.7	43.1	42.3	42.3
9:30	66.5	47.2	48.3	50.3
10:00	65.7	45.7	48.9	49.0
10:30	62.7	47.7	46.4	46.9
11:00	63.6	46.1	43.7	47.8
11:30	68.3	47.1	46.2	46.9
12:00	70.8	54.9	47.7	49.6
12:30	73.1	53.9	49.6	50.9
13:00	76.9	52.8	51.1	52.2
13:30	73.6	49.6	52.3	48.2
14:00	71.1	48.3	49.5	47.8
14:30	90.6	54.3	62.6	61.5
15:00	91.3	54.0	68.8	61.4
15:30	93.7	53.3	61.8	65.1
16:00	89.8	52.8	55.6	65.0
16:30	95.1	49.9	58.0	66.5
17:00	87.2	46.8	61.2(b)	64.2
17:30	78.3(b)(e)	45.2(b)(e)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**69.9**	**45.9**	**49.1**	**50.2**
Sampler Start Time	6:40 AM	6:46 AM	7:01 AM	6:53 AM
Sampler End Time	17:02 PM	17:05 PM	16:58 PM	17:00 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) There is no upwind value to compare these downwind averages to due to the fact that the upwind monitor (DR3 and the third Downwind monitor (DR4) were stopped at the end of the day prior to DR1 and DR2, and the stop time was right at the time of the averaging time change (Note sampler stop times). Only a short time passed between the stopping of DR3 (upwind) and DR1 and DR2 and site activities had stopped. Based on the fact that site activity had stopped and the values from the previous averaging period were not exceedances, it is very unlikely that there could have been an exceedance.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, July 9, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 66 °F
Average wind speed: 4.5 meters/second
Predominant wind direction: North

5) Site Activity:
Start Time: 7:45
Stop Time: 3:45 PM
Description: Excavated stabilized material, placed material in the landfill, graded and rolled material

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, July 9, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.035(b)	0.001(b)	0.288(b)	0.076(b)	(a)	(a)	(a)	(a)
7:00	0.000	0.000	0.179	0.125	0.299(b)	0.083(b)	(a)	(a)
7:15	0.010	0.000	0.203	0.182	0.169	0.010	0.000(b)	0.000(b)
7:30	0.003	0.000	0.256	0.203	0.000	0.000	0.000	0.000
7:45	0.052	0.001	0.282	0.206	0.000	0.000	0.000	0.000
8:00	0.091	0.007	0.232	0.135	0.014	0.000	0.000	0.000
8:15	0.074	0.009	0.250	0.156	0.060	0.001	0.000	0.000
8:30	0.088	0.009	0.217	0.133	0.063	0.002	0.000	0.000
8:45	0.126	0.018	0.183	0.093	0.111	0.008	0.000	0.000
9:00	0.160	0.016	0.326	0.089	0.138	0.014	0.000	0.000
9:15	0.099	0.009	0.194	0.073	0.149	0.023	0.000	0.000
9:30	0.089	0.007	0.147	0.060	0.107	0.007	0.000	0.000
9:45	0.019	0.001	1.722	0.125	0.137	0.006	0.000	0.000
10:00	0.031	0.000	0.175	0.086	0.040	0.001	0.000	0.000
10:15	0.034	0.002	0.147	0.046	0.098	0.006	0.000	0.000
10:30	0.066	0.006	1.047	0.036	0.216	0.018	0.000	0.000
10:45	0.119	0.012	0.071	0.005	0.193	0.037	0.000	0.000
11:00	0.065	0.006	0.168	0.022	0.188	0.031	0.000	0.000
11:15	0.642	0.026	0.033	0.002	0.299	0.035	0.000	0.000
11:30	0.081	0.010	0.121	0.002	0.467	0.081	0.000	0.000
11:45	0.118	0.010	0.081	0.003	0.455	0.094	0.000	0.000
12:00	0.093	0.011	0.124	0.007	0.367	0.088	0.000	0.000
12:15	0.068	0.009	0.053	0.004	0.323	0.084	0.000	0.000
12:30	0.067	0.011	0.051	0.001	0.319	0.075	0.000	0.000
12:45	0.069	0.013	0.048	0.001	0.308	0.079	0.000	0.000
13:00	0.088	0.015	0.009	0.000	0.352	0.095	0.000	0.000
13:15	0.072	0.013	0.015	0.000	0.418	0.116	0.000	0.000
13:30	0.089	0.012	0.015	0.000	0.537	0.159	0.002	0.000
13:45	0.075	0.014	0.214	0.009	0.549	0.150	0.000	0.000
14:00	0.064	0.013	0.024	0.000	0.634	0.166	0.016	0.000
14:15	0.077	0.014	0.036	0.000	0.552	0.166	0.050	0.001

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, July 9, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**
	ppm		ppm		ppm		ppm	
14:30	0.071	0.011	0.084	0.001	0.553	0.142	0.003	0.000
14:45	0.083	0.013	0.102	0.005	0.643	0.164	0.000	0.000
15:00	0.343	0.018	0.108	0.001	0.491	0.141	0.050	0.000
15:15	0.057	0.010	0.051	0.001	0.546	0.163	0.021	0.000
15:30	1.478	0.024	0.022	0.000	0.665	0.173	0.000	0.000
15:45	0.080	0.011	0.077	0.002	0.386	0.141	0.000	0.000
16:00	0.102(b)	0.015(b)	0.009(b)	0.000(b)	0.371	0.128	0.000	0.000
16:15	(c)	(c)	(c)	(c)	(c)	(c)	0.029(b)	0.000(b)
16:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.010**		**0.050**		**0.072**		**0.000**	
Sampler Start Time	6:32 AM		6:42 AM		6:59 AM		7:03 AM	
Sampler End Time	15:57 PM		15:48 PM		16:00 PM		16:05 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, July 9, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	0.001(b)	0.000(b)		(a)	(a)		(a)	(a)		(a)	(a)	
7:00	0.002	0.001	0.001(b)	0.000(b)	0.000(b)	0.000(b)	0.006(b)	0.005(b)	0.005(b)	(a)	(a)	(a)
7:15	0.000	0.000		0.006	0.002		0.008	0.006		0.008(b)	0.005(b)	
7:30	0.000	0.000		0.000	0.000		0.004	0.004		0.005	0.004	
7:45	0.002	0.001		0.000	0.000		0.006	0.005		0.004	0.003	
8:00	0.003	0.002	0.001	0.000	0.000	0.001	0.004	0.004	0.005	0.005	0.004	0.004(b)
8:15	0.002	0.002		0.002	0.001		0.006	0.005		0.004	0.004	
8:30	0.003	0.002		0.004	0.001		0.005	0.003		0.004	0.004	
8:45	0.003	0.002		0.001	0.001		0.002	0.001		0.004	0.003	
9:00	0.002	0.002	0.002	0.003	0.002	0.001	0.004	0.002	0.003	0.004	0.003	0.004
9:15	0.002	0.002		0.001	0.000		0.004	0.002		0.004	0.003	
9:30	0.002	0.002		0.002	0.001		0.004	0.002		0.004	0.004	
9:45	0.001	0.001		0.001	0.000		0.010	0.005		0.003	0.003	
10:00	0.002	0.002	0.002	0.005	0.002	0.001	0.008	0.007	0.004	0.004	0.004	0.004
10:15	0.001	0.001		0.001	0.000		0.004	0.003		0.003	0.003	
10:30	0.002	0.002		0.008	0.003		0.006	0.005		0.003	0.003	
10:45	0.003	0.002		0.006	0.004		0.008	0.006		0.003	0.003	
11:00	0.003	0.003	0.002	0.002	0.001	0.002	0.000	0.000	0.003	0.005	0.004	0.003
11:15	0.002	0.002		0.002	0.001		0.004	0.003		0.004	0.003	
11:30	0.003	0.002		0.003	0.002		0.005	0.004		0.005	0.004	
11:45	0.004	0.003		0.003	0.002		0.008	0.007		0.004	0.004	
12:00	0.004	0.003	0.003	0.002	0.001	0.002	0.005	0.004	0.005	0.004	0.004	0.004
12:15	0.006	0.004		0.002	0.001		0.005	0.004		0.004	0.004	
12:30	0.003	0.003		0.000	0.000		0.005	0.005		0.004	0.003	
12:45	0.003	0.003		0.002	0.001		0.006	0.005		0.007	0.005	
13:00	0.003	0.003	0.003	0.001	0.000	0.001	0.006	0.005	0.005	0.004	0.004	0.004
13:15	0.003	0.003		0.002	0.002		0.008	0.006		0.004	0.004	
13:30	0.003	0.003		0.003	0.002		0.006	0.005		0.004	0.004	
13:45	0.003	0.003		0.002	0.002		0.007	0.006		0.004	0.004	
14:00	0.003	0.003	0.003	0.002	0.002	0.002	0.007	0.006	0.006	0.004	0.004	0.004
14:15	0.003	0.003		0.002	0.001		0.007	0.006		0.005	0.004	
14:30	0.003	0.002		0.001	0.001		0.004	0.004		0.005	0.004	
14:45	0.003	0.003		0.002	0.002		0.007	0.006		0.004	0.004	
15:00	0.002	0.002	0.002	0.006	0.004	0.002	0.008	0.007	0.006	0.004	0.004	0.004
15:15	0.003	0.003		0.003	0.002		0.008	0.007		0.004	0.004	
15:30	0.003	0.003		0.002	0.002		0.010	0.008		0.007	0.005	
15:45	0.003	0.003		0.004	0.002		0.006	0.006		0.005	0.004	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, July 9, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:00	0.003	0.003	0.003	0.002(b)	0.002(b)	0.002(b)	0.006(b)	0.006(b)	0.007(b)	0.004	0.004	0.004
16:15	0.003(b)	0.003(b)		(c)	(c)		(c)	(c)		0.004(b)	0.004(b)	
16:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
16:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:00	(c)	(c)	0.003(b)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	0.004(b)
17:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.002**			**0.001**			**0.005**			**0.004**		
Sampler Start Time	6:39 AM			6:50 AM			6:59 AM			7:05 AM		
Sampler End Time	4:03 PM			3:52 PM			3:57 PM			4:05 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, July 9, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	29.5(b)	24.4(b)	(a)	(a)
7:30	28.5	26.7	30.5(b)	33.9(b)
8:00	20.6	26.4	20.8	17.1
8:30	13.5	22.5	14.6	12.2
9:00	11.2	21.9	12.6	11.1
9:30	12.0	23.1	14.0	12.4
10:00	13.2	23.6	13.3	12.9
10:30	13.7	23.2	18.7	13.7
11:00	13.1	22.6(d)	16.5	14.4
11:30	11.8	10.4(d)	13.1	11.9
12:00	10.3	10.9	10.7	10.4
12:30	8.5	9.7	9.0	7.6
13:00	7.3	9.4	8.0	7.2
13:30	6.6	9.8	11.0	6.4
14:00	6.9	10.9	11.5	6.0
14:30	6.7	10.1	14.3	6.7
15:00	6.4	11.6	11.1	5.4
15:30	5.8	10.8	12.3	5.9
16:00	6.6	11.7(b)	8.8	7.4
16:30	6.6(b)	(c)	6.7(b)	6.1(b)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**12.0**	**23.9**	**13.5**	**10.7**
Sampler Start Time	6:37 AM	6:48 AM	7:13 AM	7:12 AM
Sampler End Time	16:04 PM	15:52 PM	16:02 PM	16:09 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, July 12, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 72.9 °F
Average wind speed: 5.9 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	5:30 PM
Description:	Excavated stabilized material, dumped material in landfill, rolled and graded material

6) Other:

No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, July 12, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.190(b)	0.004(b)	0.096(b)	0.021(b)	(a)	(a)	0.005(b)	0.000(b)
7:00	0.058	0.001	1.396	0.187	0.461(b)	0.159(b)	0.006	0.000
7:15	0.034	0.001	0.642	0.108	0.398	0.104	0.000	0.000
7:30	0.029	0.000	0.928	0.173	0.332	0.056	0.000	0.000
7:45	0.027	0.000	0.764	0.150	0.234	0.032	0.000	0.000
8:00	0.055	0.001	0.696	0.111	0.187	0.020	0.000	0.000
8:15	0.057	0.001	0.398	0.123	0.125	0.009	0.000	0.000
8:30	0.055	0.001	0.606	0.133	0.074	0.004	0.075	0.000
8:45	0.130	0.002	0.473	0.142	0.037	0.000	0.000	0.000
9:00	0.046	0.001	0.543	0.168	0.004	0.000	0.000	0.000
9:15	0.014	0.000	0.448	0.127	0.004	0.000	0.000	0.000
9:30	0.052	0.001	0.449	0.130	0.072	0.005	0.000	0.000
9:45	0.055	0.001	0.596	0.153	0.138	0.019	0.000	0.000
10:00	0.037	0.000	0.909	0.172	0.198	0.039	0.000	0.000
10:15	0.047	0.001	0.716	0.219	0.231	0.048	0.000	0.000
10:30	0.030	0.000	0.593	0.198	0.403	0.073	1.459	0.013
10:45	0.043	0.001	0.643	0.184	0.340	0.071	0.000	0.000
11:00	0.054	0.001	0.730	0.195	0.453	0.081	0.032	0.000
11:15	0.048	0.000	0.642	0.232	0.346	0.086	0.000	0.000
11:30	0.015	0.000	0.658	0.216	0.410	0.098	0.000	0.000
11:45	0.076	0.000	0.694	0.206	0.432	0.100	0.000	0.000
12:00	0.072	0.000	0.547	0.157	0.413	0.113	0.000	0.000
12:15	0.019	0.000	0.531	0.129	0.504	0.104	0.000	0.000
12:30	0.014	0.000	0.621	0.166	0.477	0.108	0.000	0.000
12:45	0.042	0.000	0.571	0.161	0.447	0.112	0.025	0.000
13:00	0.029	0.000	0.875	0.227	0.373	0.110	0.000	0.000
13:15	0.057	0.000	0.724	0.254	0.414	0.117	0.000	0.000
13:30	0.055	0.001	0.993	0.347	0.491	0.115	0.069	0.000
13:45	0.139	0.001	1.241	0.390	0.448	0.118	0.000	0.000
14:00	0.075	0.001	0.976	0.334	0.423	0.110	0.000	0.000
14:15	0.044	0.000	0.883	0.226	0.479	0.137	0.000	0.000

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, July 12, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**
	ppm		ppm		ppm		ppm	
14:30	0.059	0.000	0.608	0.188	0.496	0.128	0.000	0.000
14:45	0.070	0.001	0.770	0.240	0.472	0.109	0.000	0.000
15:00	0.024	0.000	0.477	0.176	0.455	0.129	0.000	0.000
15:15	0.024	0.000	0.424	0.141	0.414	0.122	0.000	0.000
15:30	0.084	0.001	0.401	0.137	0.517	0.114	0.000	0.000
15:45	0.031	0.000	0.415	0.148	0.419	0.106	0.000	0.000
16:00	0.033	0.000	0.417	0.145	0.404	0.117	0.000	0.000
16:15	0.062	0.000	0.457	0.153	0.426	0.113	0.000	0.000
16:30	0.069	0.002	0.585	0.147	0.439	0.126	0.000	0.000
16:45	0.037	0.000	0.556(d)	0.208(d)	0.493	0.119	0.000	0.000
17:00	0.026(d)	0.000(d)	0.476(d)	0.110(d)	0.432	0.114	0.235	0.003
17:15	0.013	0.000	0.449	0.106	0.378	0.107	0.000	0.000
17:30	0.003	0.000	1.325	0.306	0.530	0.116	0.000(b)	0.000(b)
17:45	0.009(b)	0.000(b)	1.239(b)	0.218(b)	0.462	0.114	(c)	(c)
18:00	(c)	(c)	(c)	(c)	0.405(b)	0.117(b)	(c)	(c)
Daily Average	**0.001**		**0.183**		**0.085**		**0.000**	
Sampler Start Time	6:35 AM		6:39 AM		6:56 AM		6:35 AM	
Sampler End Time	17:39 PM		17:41 PM		17:56 PM		17:26 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, July 12, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	0.004(b)	0.003(b)		(a)	(a)		(a)	(a)		0.005(b)	0.005(b)	
7:00	0.004	0.003	0.003(b)	0.005(b)	0.003(b)	0.003(b)	0.005(b)	0.004(b)	0.004(b)	0.005	0.005	0.005(b)
7:15	0.003	0.003		0.003	0.002		0.005	0.004		0.004	0.004	
7:30	0.004	0.003		0.005	0.003		0.004	0.004		0.005	0.004	
7:45	0.004	0.003		0.002	0.001		0.004	0.004		0.006	0.006	
8:00	0.003	0.003	0.003	0.001	0.001	0.002	0.004	0.003	0.004	0.005	0.004	0.004
8:15	0.004	0.003		0.002	0.001		0.009	0.005		0.005	0.004	
8:30	0.003	0.003		0.002	0.001		0.005	0.003		0.005	0.004	
8:45	0.005	0.004		0.002	0.001		0.007	0.005		0.004	0.004	
9:00	0.003	0.003	0.003	0.004	0.002	0.001	0.004	0.004	0.004	0.004	0.004	0.004
9:15	0.003	0.003		0.001	0.001		0.007	0.004		0.005	0.004	
9:30	0.003	0.003		0.002	0.001		0.004	0.003		0.006	0.005	
9:45	0.003	0.003		0.002	0.001		0.006	0.004		0.004	0.004	
10:00	0.003	0.003	0.003	0.001	0.001	0.001	0.007	0.005	0.004	0.004	0.003	0.004
10:15	0.004	0.003		0.001	0.001		0.004	0.003		0.004	0.004	
10:30	0.003	0.003		0.001	0.000		0.006	0.005		0.004	0.004	
10:45	0.004	0.003		0.002	0.001		0.005	0.004		0.004	0.004	
11:00	0.003	0.003	0.003	0.000	0.000	0.000	0.006	0.005	0.004	0.004	0.004	0.004
11:15	0.005	0.004		0.003	0.002		0.005	0.004		0.004	0.004	
11:30	0.004	0.004		0.002	0.001		0.005	0.004		0.004	0.004	
11:45	0.004	0.004		0.006	0.003		0.005	0.004		0.004	0.004	
12:00	0.004	0.004	0.004	0.004	0.002	0.002	0.007	0.005	0.005	0.008	0.006	0.004
12:15	0.005	0.005		0.002	0.002		0.008	0.005		0.007	0.006	
12:30	0.004	0.004		0.002	0.002		0.005	0.004		0.005	0.005	
12:45	0.005	0.005		0.004	0.003		0.006	0.005		0.006	0.005	
13:00	0.005	0.005	0.005	0.003	0.003	0.002	0.007	0.006	0.005	0.006	0.006	0.005
13:15	0.005	0.005		0.004	0.003		0.007	0.006		0.006	0.006	
13:30	0.007	0.006		0.004	0.003		0.007	0.003		0.007	0.006	
13:45	0.006	0.006		0.005	0.004		0.007	0.007		0.007	0.007	
14:00	0.005	0.005	0.005	0.004	0.002	0.003	0.009	0.008	0.006	0.007	0.007	0.006
14:15	0.006	0.006		0.004	0.003		0.007	0.004		0.006	0.006	
14:30	0.005	0.005		0.003	0.002		0.008	0.004		0.007	0.006	
14:45	0.010	0.007		0.006	0.003		0.006	0.005		0.007	0.007	
15:00	0.005	0.005	0.006	0.002	0.002	0.002	0.011	0.008	0.005	0.007	0.006	0.006
15:15	0.006	0.005		0.002	0.001		0.007	0.004		0.007	0.006	
15:30	0.007	0.006		0.003	0.003		0.009	0.006		0.007	0.007	
15:45	0.005	0.005		0.004	0.003		0.007	0.006		0.007	0.006	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, July 12, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:00	0.007	0.006	0.005	0.004	0.003	0.002	0.011	0.007	0.006	0.007	0.007	0.007
16:15	0.006	0.005		0.009	0.003		0.003	0.002		0.007	0.006	
16:30	0.007	0.005		0.004	0.002		0.006	0.005		0.006	0.006	
16:45	0.006	0.005		0.004	0.002		0.007	0.006		0.006	0.006	
17:00	0.005	0.005	0.005	0.006	0.003	0.003	0.006	0.004	0.004	0.006	0.006	0.006
17:15	0.005	0.005		0.000	0.000		0.007	0.005		0.007	0.006	
17:30	0.004	0.004		0.003	0.001		0.006	0.003		0.005	0.005	
17:45	0.004(b)	0.004(b)		0.002	0.001		0.005	0.004		0.005	0.005	
18:00	(c)	(c)	0.004(b)	0.000(b)	0.000(b)	0.001(b)	0.006(b)	0.006(b)	0.004(b)	0.006(b)	0.006(b)	0.006(b)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.004**			**0.002**			**0.005**			**0.005**		
Sampler Start Time	6:42 AM			6:47 AM			6:57 AM			6:37 AM		
Sampler End Time	5:41 PM			5:48 PM			5:54 PM			5:48 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, July 12, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	36.5(b)	35.1(b)	28.3(b)	70.6(b)
7:30	41.4	42.1	27.1	37.9
8:00	50.6	26.1	30.1	57.4
8:30	43.2	29.5	33.8	28.9
9:00	45.6	31.7	35.7	31.2
9:30	39.9	27.3	33.7	26.9
10:00	45.5	25.4	31.5	27.5
10:30	38.8	25.9	29.4	24.0
11:00	38.1	23.5	27.8	24.1
11:30	37.7	24.2	27.0	26.6
12:00	40.1	24.8	27.6	29.2
12:30	40.7	25.3	35.7	30.9
13:00	46.1	28.9	37.9	35.8
13:30	45.1	32.3	31.8	35.2
14:00	66.1	35.0	33.7	42.6
14:30	64.1	34.7	34.9	44.8
15:00	55.4	31.5	34.8	34.1
15:30	50.5	30.9	33.5	31.8
16:00	50.7	29.8	31.6	30.3
16:30	44.4	25.3	27.0	26.7
17:00	37.1	23.2	22.2	22.9
17:30	32.2	17.6	19.9	19.6
18:00	32.1(b)	19.5(b)	21.0(b)	20.6(b)
Daily Average	**44.8**	**28.3**	**30.4**	**32.9**
Sampler Start Time	6:41 AM	6:44 AM	6:56 AM	6:36 AM
Sampler End Time	17:46 PM	17:47 PM	17:57 PM	17:51 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, July 13, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 65.7 °F
Average wind speed: 3.6 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:15 AM
Stop Time:	4:00 PM
Description:	Backfilled in lagoon, decontamination of equipment, rolling and grading of gas vent sand in landfill

6) Other:

During hourly rounds, the H2S monitor at Station 3 was not operating, apparently related to a power problem. The battery connections were checked and the terminals were found to have some corrosion. The terminals were cleaned with a file and the unit was reconnected and operated properly. Unit was watched to verify proper operation.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 13, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	0.001(b)	0.000(b)	(a)	(a)	(a)	(a)	0.015(b)	0.001(b)
6:45	0.131	0.002	0.701(b)	0.213(b)	(a)	(a)	0.000	0.000
7:00	0.012	0.000	0.478	0.298	0.465(b)	0.138(b)	0.000	0.000
7:15	0.000	0.000	0.621	0.482	0.230	0.040	0.000	0.000
7:30	0.000	0.000	0.805	0.651	0.075	0.003	0.000	0.000
7:45	0.000	0.000	0.973	0.744	0.000	0.000	0.000	0.000
8:00	0.000	0.000	0.981	0.823	0.000	0.000	0.000	0.000
8:15	0.000	0.000	0.972	0.846	0.000	0.000	0.000	0.000
8:30	0.000	0.000	1.333	0.961	0.000	0.000	0.000	0.000
8:45	0.000	0.000	1.733	1.273	0.000	0.000	0.000	0.000
9:00	0.013	0.000	1.179	0.871	0.048	0.001	0.383	0.002
9:15	0.023	0.000	0.806	0.584	0.094	0.010	0.000	0.000
9:30	0.029	0.001	0.635	0.488	0.136	0.024	0.000	0.000
9:45	0.030	0.001	0.567	0.435	0.205	0.042	0.000	0.000
10:00	0.106	0.004	2.504	0.839	0.263	0.052	0.000	0.000
10:15	0.109	0.005	3.961	1.433	0.237	0.051	0.000	0.000
10:30	0.076	0.005	3.957	2.106	0.194	0.038	0.000	0.000
10:45	0.096	0.003	2.949	1.763	0.207	0.034	0.000	0.000
11:00	0.066	0.002	4.272	1.871	0.151	0.021	0.000	0.000
11:15	0.085	0.003	4.142	2.073	0.119	0.022	0.000	0.000
11:30	0.086	0.002	2.975	1.954	0.137	0.009	0.000	0.000
11:45	0.037	0.002	2.836	1.822	0.140	0.022	0.000	0.000
12:00	0.066	0.003	2.680	1.580	0.153	0.026	0.000	0.000
12:15	0.223	0.007	2.128	1.427	0.212	0.038	0.000	0.000
12:30	0.062	0.002	2.069	1.483	0.234	0.053	0.000	0.000
12:45	0.063	0.004	2.535	1.718	0.297	0.045	0.000	0.000
13:00	0.058	0.002	2.343	1.779	0.126	0.015	0.000	0.000
13:15	0.067	0.002	2.561	1.760	0.084	0.006	0.000	0.000
13:30	0.062	0.002	2.678	1.759	0.080	0.012	0.000	0.000
13:45	0.092	0.006	1.864	1.198	0.249	0.046	0.000	0.000
14:00	0.149	0.007	1.304	0.789	0.325	0.096	0.219	0.002
14:15	0.098	0.007	0.920	0.626	0.336	0.100	0.000	0.000

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 13, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**
	ppm		ppm		ppm		ppm	
14:30	0.163	0.006	0.967	0.586	0.307	0.097	0.000	0.000
14:45	0.101	0.006	1.140	0.732	0.328	0.077	0.000	0.000
15:00	0.132	0.004	0.967	0.583	0.315	0.099	0.000	0.000
15:15	0.049	0.003	1.028	0.628	0.364	0.111	0.000	0.000
15:30	0.104	0.006	0.708	0.458	0.365	0.109	0.000	0.000
15:45	0.096	0.005	0.818	0.471	0.327	0.116	0.000	0.000
16:00	0.044	0.000	0.620	0.469	0.321	0.104	0.000	0.000
16:15	0.037	0.001	0.827	0.604	0.285	0.083	0.000	0.000
16:30	(c)	(c)	1.028(b)	0.898(b)	0.222(b)	0.052(b)	0.182(b)	0.006(b)
16:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.003**		**1.061**		**0.046**		**0.000**	
Sampler Start Time	6:30 AM		6:35 AM		6:47 AM		6:30 AM	
Sampler End Time	16:15 PM		16:18 PM		16:28 PM		16:17 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 13, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	0.000(b)	0.000(b)		(a)	(a)		(a)	(a)		0.000(b)	0.000(b)	
6:45	0.008	0.004		0.003(b)	0.002(b)		0.003(b)	0.003(b)		0.005	0.005	
7:00	0.004	0.003	0.002(b)	0.004	0.003	0.003(b)	0.004	0.004	0.004(b)	0.011	0.007	0.004(b)
7:15	0.003	0.003		0.003	0.003		0.005	0.005		0.005	0.005	
7:30	0.005	0.004		0.004	0.003		0.007	0.005		0.005	0.005	
7:45	0.004	0.003		0.004	0.002		0.004	0.004		0.005	0.005	
8:00	0.003	0.003	0.003	0.004	0.003	0.003	0.005	0.005	0.005	0.006	0.005	0.005
8:15	0.003	0.003		0.004	0.003		0.005	0.005		0.005	0.005	
8:30	0.003	0.003		0.002	0.002		0.005	0.005		0.005	0.005	
8:45	0.004	0.003		0.002	0.002		0.007	0.006		0.005	0.005	
9:00	0.004	0.004	0.003	0.002	0.002	0.002	0.005	0.004	0.005	0.005	0.005	0.005
9:15	0.005	0.005		0.002	0.002		0.004	0.003		0.006	0.006	
9:30	0.005	0.005		0.002	0.002		0.006	0.005		0.005	0.005	
9:45	0.005	0.005		0.002	0.002		0.004	0.003		0.007	0.006	
10:00	0.005	0.005	0.005	0.004	0.003	0.002	0.005	0.003	0.003	0.009	0.007	0.006
10:15	0.005	0.005		0.002	0.002		0.003	0.002		0.006	0.005	
10:30	0.004	0.004		0.002	0.002		0.003	0.003		0.012	0.007	
10:45	0.005	0.004		0.002	0.002		0.007	0.005		0.005	0.005	
11:00	0.005	0.005	0.004	0.002	0.001	0.002	0.003	0.003	0.003	0.005	0.004	0.005
11:15	0.005	0.005		0.004	0.002		0.005	0.004		0.006	0.005	
11:30	0.004	0.003		0.002	0.001		0.005	0.003		0.005	0.005	
11:45	0.005	0.005		0.002	0.002		0.004	0.001		0.005	0.005	
12:00	0.005	0.005	0.004	0.001	0.000	0.001	0.004	0.003	0.003	0.008	0.006	0.005
12:15	0.005	0.004		0.001	0.000		0.003	0.002		0.010	0.008	
12:30	0.004	0.004		0.000	0.000		0.003	0.003		0.006	0.005	
12:45	0.004	0.004		0.000	0.000		0.003	0.003		0.004	0.004	
13:00	0.004	0.004	0.004	0.005	0.004	0.001	0.003	0.002	0.003	0.011	0.006	0.006
13:15	0.006	0.004		0.000	0.000		0.003	0.001		0.005	0.004	
13:30	0.004	0.004		0.000	0.000		0.003	0.002		0.006	0.005	
13:45	0.005	0.005		0.000	0.000		0.004	0.004		0.004	0.004	
14:00	0.004	0.004	0.004	0.000	0.000	0.000	0.005	0.003	0.003	0.006	0.005	0.005
14:15	0.005	0.005		0.001	0.001		0.006	0.004		0.006	0.005	
14:30	0.005	0.005		0.000	0.000		0.006	0.005		0.005	0.004	
14:45	0.005	0.004		0.002	0.001		0.011	0.004		0.009	0.006	
15:00	0.005	0.004	0.004	0.030	0.011	0.003	0.005	0.002	0.004	0.004	0.004	0.005
15:15	0.005	0.004		0.009	0.004		0.003(d)	0.003(d)		0.005	0.005	
15:30	0.005	0.004		0.000	0.000		(g)	(g)		0.005	0.004	
15:45	0.005	0.005		0.000	0.000		0.002(d)	0.002(d)		0.005	0.004	
16:00	0.005	0.004	0.004	0.001	0.000	0.001	0.004	0.004	0.003(d)	0.004	0.004	0.004

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 13, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:15	0.004	0.003		0.000	0.000		0.004	0.003		0.006	0.005	
16:30	0.004(b)	0.004(b)		0.000(b)	0.000(b)		0.003(b)	0.002(b)		(c)	(c)	
16:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:00	(c)	(c)	0.004(b)	(c)	(c)	0.000(b)	(c)	(c)	0.003(b)	(c)	(c)	0.005(b)
17:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.004**			**0.002**			**0.003**			**0.005**		
Sampler Start Time	6:37 AM			6:41 AM			6:48 AM			6:33 AM		
Sampler End Time	4:21 PM			4:23 PM			4:29 PM			4:15 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

(g) During hourly rounds, H3 was not operating, apparently related to a power failure. The battery connections were checked and the terminals were found to have some corrosion. The terminals were cleaned with a file and the unit was reconnected and operated properly. Unit was watched to verify proper operation.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 13, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	61.1(b)	27.7(b)	47.5(b)	49.2
7:30	44.5	23.8	34.3	36.1
8:00	40.0	20.2	28.3	30.2
8:30	42.0	21.1	28.5	30.6
9:00	36.7	17.8	24.0	25.3
9:30	28.1	12.0	17.1	19.6
10:00	19.9	8.4	12.4	16.4
10:30	20.0	9.6	11.3	18.2
11:00	20.8	11.1	12.7	14.3
11:30	24.9	10.7	13.7	18.9
12:00	22.2	10.7	13.8	15.2
12:30	46.6	8.0	11.8	15.5
13:00	16.3	12.1	9.7	12.0
13:30	20.9	10.1	12.8	13.0
14:00	23.7	8.6	12.4	11.2
14:30	17.3	6.7	16.0	10.8
15:00	16.1	6.8	8.8	9.9
15:30	10.8	5.0	5.9	8.3
16:00	8.9	3.6	6.1	6.3
16:30	9.8(b)	3.5(b)	7.6	13.7(b)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**26.4**	**11.7**	**16.0**	**18.8**
Sampler Start Time	6:36 AM	6:41 AM	6:46 AM	6:31 AM
Sampler End Time	16:23 PM	16:24 PM	16:30 PM	16:20 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, July 14, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 71 °F
Average wind speed: 5.8 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:30 AM
Stop Time:	3:30 PM
Description:	Backfilled in Lagoon 5, placed gas vent sand on landfill, rolled and graded gas vent sand.

6) Other:
The particulate monitor at Station 4 (DR4) was found off at the hourly check at 9:40 am. The unit was turned back on, checked, and logging seemed to be operational. As a precaution, Spare 2 was placed at Station 4 to ensure continuous monitoring data. DR4 was watched, and it again went off-line at 10:40. DR4 was taken down, and data from Spare 2 were used.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 14, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.001(b)	0.000(b)	0.700(b)	0.408(b)	(a)	(a)	0.000(b)	0.000(b)
7:00	0.028	0.000	1.021	0.602	0.352(b)	0.103(b)	0.000	0.000
7:15	0.000	0.000	1.576	0.968	0.210	0.027	0.026	0.000
7:30	0.000	0.000	1.913	1.173	0.027	0.001	0.000	0.000
7:45	0.002	0.000	2.006	1.238	0.003	0.000	0.000	0.000
8:00	0.004	0.000	1.873	1.368	0.011	0.000	0.000	0.000
8:15	0.008	0.000	2.138	1.638	0.002	0.000	0.000	0.000
8:30	0.004	0.000	2.542	1.740	0.000	0.000	0.000	0.000
8:45	0.032	0.000	3.869	1.926	0.013	0.000	0.000	0.000
9:00	0.011	0.000	2.630	1.970	0.042	0.000	0.000	0.000
9:15	0.034	0.000	2.822	2.154	0.068	0.001	0.000	0.000
9:30	0.018	0.000	2.964	2.215	0.076	0.008	0.000	0.000
9:45	0.012	0.000	3.185	2.260	0.061	0.004	0.000	0.000
10:00	0.042	0.000	3.135	2.165	0.068	0.003	0.000	0.000
10:15	0.033	0.000	2.406	1.565	0.224	0.035	0.000	0.000
10:30	0.019	0.000	2.519	1.528	0.190	0.044	0.000	0.000
10:45	0.017	0.000	2.291	1.501	0.269	0.048	0.000	0.000
11:00	0.025	0.001	1.950	1.390	0.262	0.066	0.000	0.000
11:15	0.049	0.001	2.285	1.475	0.320	0.081	0.000	0.000
11:30	0.024	0.001	2.494	1.618	0.304	0.084	0.005	0.000
11:45	0.025	0.001	2.410	1.334	0.344	0.078	0.000	0.000
12:00	0.053	0.001	2.011	1.190	0.285	0.084	0.026	0.000
12:15	0.037	0.001	1.931	1.155	0.306	0.088	0.000	0.000
12:30	0.018	0.000	2.217	1.132	0.340	0.091	0.000	0.000
12:45	0.019	0.000	2.467	1.231	0.351	0.097	0.000	0.000
13:00	0.048	0.001	2.393	1.166	0.338	0.087	0.208	0.002
13:15	0.020	0.000	2.651	1.175	0.303	0.088	0.000	0.000
13:30	0.035	0.000	3.365	1.300	0.347	0.097	0.000	0.000
13:45	0.019	0.000	3.363	1.027	0.383	0.102	0.000	0.000
14:00	0.040	0.001	2.063	0.923	0.310	0.108	0.017	0.000
14:15	0.030	0.000	2.115	1.135	0.365	0.101	0.000	0.000

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 14, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**
	ppm		ppm		ppm		ppm	
14:30	0.028	0.000	2.209	1.125	0.345	0.093	0.000	0.000
14:45	0.032	0.001	2.958	1.232	0.372	0.102	0.000	0.000
15:00	0.036	0.000	2.481	1.194	0.323	0.102	0.000	0.000
15:15	0.031	0.000	1.990	0.930	0.361	0.107	0.000	0.000
15:30	0.049	0.001	2.113	0.924	0.345	0.109	0.001	0.000
15:45	0.024	0.000	2.242	0.927	0.358	0.094	0.000	0.000
16:00	0.020	0.000	2.161	1.004	0.373	0.095	0.000	0.000
16:15	0.002(b)	0.000(b)	1.632(b)	0.936(b)	0.356	0.101	0.000(b)	0.000(b)
16:30	(c)	(c)	(c)	(c)	0.298(b)	0.109(b)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.000**		**1.358**		**0.061**		**0.000**	
Sampler Start Time	6:36 AM		6:43 AM		6:53 AM		6:38 AM	
Sampler End Time	16:02 PM		16:05 PM		16:17 PM		16:12 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 14, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	0.005(b)	0.005(b)		(a)	(a)		(a)	(a)		0.006(b)	0.005(b)	
7:00	0.005	0.004	0.005(b)	0.004(b)	0.004(b)	0.004(b)	0.005(b)	0.005(b)	0.005(b)	0.005	0.005	0.005(b)
7:15	0.005	0.004		0.004	0.003		0.005	0.003		0.006	0.005	
7:30	0.006	0.005		0.002	0.002		0.003	0.002		0.007	0.006	
7:45	0.005	0.004		0.003	0.002		0.009	0.003		0.005	0.004	
8:00	0.006	0.005	0.004	0.002	0.002	0.002	0.015	0.007	0.004	0.006	0.005	0.005
8:15	0.005	0.004		0.002	0.002		0.004	0.004		0.005	0.004	
8:30	0.005	0.004		0.002	0.001		0.004	0.003		0.005	0.004	
8:45	0.004	0.004		0.002	0.001		0.004	0.004		0.005	0.004	
9:00	0.005	0.004	0.004	0.001	0.001	0.001	0.005	0.003	0.003	0.006	0.005	0.004
9:15	0.004	0.004		0.001	0.000		0.004	0.004		0.004	0.004	
9:30	0.004	0.004		0.002	0.001		0.005	0.004		0.005	0.004	
9:45	0.003	0.003		0.001	0.001		0.004	0.004		0.005	0.005	
10:00	0.004	0.003	0.003	0.001	0.000	0.001	0.004	0.004	0.004	0.005	0.004	0.004
10:15	0.004	0.004		0.004	0.002		0.004	0.004		0.006	0.005	
10:30	0.004	0.004		0.000	0.000		0.004	0.004		0.006	0.005	
10:45	0.004	0.003		0.001	0.001		0.004	0.004		0.005	0.004	
11:00	0.003	0.003	0.003	0.000	0.000	0.001	0.004	0.004	0.004	0.009	0.006	0.005
11:15	0.004	0.003		0.002	0.001		0.004	0.003		0.004	0.004	
11:30	0.005	0.005		0.000	0.000		0.004	0.004		0.004	0.004	
11:45	0.005	0.004		0.001	0.001		0.004	0.004		0.004	0.004	
12:00	0.003	0.003	0.004	0.002	0.001	0.001	0.005	0.004	0.004	0.005	0.004	0.004
12:15	0.007	0.005		0.002	0.001		0.004	0.004		0.010	0.007	
12:30	0.004	0.003		0.002	0.002		0.004	0.004		0.006	0.005	
12:45	0.004	0.004		0.002	0.002		0.005	0.004		0.004	0.004	
13:00	0.004	0.003	0.004	0.002	0.002	0.002	0.004	0.004	0.004	0.007	0.006	0.006
13:15	0.006	0.005		0.012	0.005		0.005	0.004		0.006	0.005	
13:30	0.004	0.004		0.002	0.002		0.004	0.004		0.006	0.005	
13:45	0.008	0.005		0.002	0.002		0.005	0.005		0.007	0.005	
14:00	0.004	0.003	0.004	0.007	0.003	0.003	0.004	0.004	0.004	0.005	0.004	0.005
14:15	0.005	0.003		0.002	0.002		0.005	0.004		0.004	0.004	
14:30	0.003	0.003		0.002	0.002		0.004	0.004		0.005	0.004	
14:45	0.005	0.005		0.002	0.001		0.004	0.004		0.004	0.004	
15:00	0.004	0.004	0.004	0.003	0.002	0.002	0.005	0.004	0.004	0.004	0.004	0.004
15:15	0.005	0.004		0.002	0.001		0.005	0.004		0.004	0.004	
15:30	0.004	0.004		0.005	0.003		0.004	0.004		0.005	0.005	
15:45	0.005	0.004		0.003	0.002		0.004	0.004		0.005	0.004	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 14, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:00	0.005	0.004	0.004	0.002	0.002	0.002	0.005	0.004	0.004	0.005	0.004	0.004
16:15	0.004(b)	0.004(b)		0.006(b)	0.003(b)		0.005	0.004		0.005(b)	0.005(b)	
16:30	(c)	(c)		(c)	(c)		0.004(b)	0.004(b)		(c)	(c)	
16:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:00	(c)	(c)	0.004(b)	(c)	(c)	0.003(b)	(c)	(c)	0.004(b)	(c)	(c)	0.005(b)
17:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.004**			**0.002**			**0.004**			**0.005**		
Sampler Start Time	6:43 AM			6:47 AM			6:54 AM			6:39 AM		
Sampler End Time	4:07 PM			4:09 PM			4:17 PM			4:11 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 14, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	29.9(b)	(a)	6.8(b)
7:30	(a)	10.8	(a)(e)	12.2
8:00	8.0(b)	9.5	(a)(e)	6.9
8:30	6.5	6.5	(a)(e)	5.4
9:00	6.4	7.9	3.2(b)	8.8
9:30	4.5	5.9	2.6	4.8(d)(f)
10:00	6.6	3.1	2.1	1.6(d)(f)
10:30	2.5	8.2	1.4	2.5
11:00	4.3	4.3	1.8	7.6
11:30	4.5	11.3	1.6	1.8
12:00	4.4	7.1	1.2	8.1
12:30	7.8	3.7	0.9	1.2
13:00	4.4	7.9	0.7	4.4
13:30	6.8	7.4	1.4	6.5
14:00	7.9	10.6	1.7	13.6
14:30	6.4	9.5	1.6	5.4
15:00	6.7	21.5	2.1	6.9
15:30	6.5	19.6	2.5	7.7
16:00	8.2	40.0	2.7	10.0
16:30	9.1(b)	26.5(b)	3.1(b)	16.8(b)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**6.1**	**11.7**	**1.8**	**6.8**
Sampler Start Time	7:39 AM	6:45 AM	8:50 AM	6:38 AM
Sampler End Time	16:10 PM	16:11 PM	16:18 PM	16:11 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) DR3 was not logging prior to 8:50. The event was restarted, the time and date were correctly programmed, and the unit began logging properly.

(f) DR4 was found off at the hourly check at 9:40 am. The unit was turned back on, checked, and logging seemed to be operational. As a precaution, Spare 2 was placed to ensure continuous monitoring data. DR4 was watched, and it again went off-line at 10:40. DR4 was taken down, and data from Spare 2 were used.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, July 15, 2004**

1) Exceedances:
There were two exceedances of the VOC Action Limit (15-minute TWA greater than 5 ppm) at Station 2. The first exceedance, a 15 minute TWA of 5.049 ppm, occurred during the 8:01 - 8:15 pm averaging period. The second exceedance, a 15 minute TWA of 5.408 ppm, occurred during the 8:31 - 8:45 averaging period. Both exceedances appear to be related to high humidity. A moisture trap was put on the monitor to address the effects of humidity on the monitor. Values decreased after the installation of the moisture trap.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 71 °F
Average wind speed: 1.9 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:30 AM
Stop Time:	4:00 PM
Description:	Installed Gas Vents in Landfill, Shaped Slopes on landfill, Backfilled in Lagoon 1 & 5

6) Other:

No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 15, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	0.000(b)	0.000(b)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.004	0.000	0.591(b)	0.267(b)	(a)	(a)	0.000(b)	0.000(b)
7:15	0.000	0.000	2.009	1.002	0.164(b)	0.007(b)	0.000	0.000
7:30	0.000	0.000	2.943	2.433	0.000	0.000	0.000	0.000
7:45	0.000	0.000	6.203	3.915	0.000	0.000	0.000	0.000
8:00	0.000	0.000	6.276	4.729	0.000	0.000	0.000	0.000
8:15	0.000	0.000	5.999	**5.049(e)**	0.000	0.000	0.000	0.000
8:30	0.000	0.000	5.427	4.967	0.000	0.000	0.000	0.000
8:45	0.000	0.000	6.706	**5.408(e)**	0.000	0.000	0.000	0.000
9:00	0.000	0.000	4.003	2.852	0.000	0.000	0.000	0.000
9:15	0.000	0.000	3.833	2.767	0.000	0.000	0.000	0.000
9:30	0.000	0.000	2.134	1.759	0.000	0.000	0.000	0.000
9:45	0.000	0.000	1.764	1.215	0.000	0.000	0.000	0.000
10:00	0.000	0.000	1.310	0.807	0.000	0.000	0.000	0.000
10:15	0.000	0.000	1.002	0.603	0.000	0.000	0.000	0.000
10:30	0.000	0.000	0.344	0.271	0.000	0.000	0.000	0.000
10:45	0.000	0.000	0.627	0.401	0.000	0.000	0.000	0.000
11:00	0.024	0.000	0.506	0.349	0.000	0.000	0.000	0.000
11:15	0.024	0.000	0.307	0.179	0.181	0.006	0.000	0.000
11:30	0.007	0.000	0.619	0.412	0.159	0.006	0.000	0.000
11:45	0.038	0.000	0.464	0.315	0.000	0.000	0.000	0.000
12:00	0.018	0.000	0.735	0.574	0.000	0.000	0.000	0.000
12:15	0.018	0.000	0.490	0.429	0.104	0.004	0.000	0.000
12:30	0.032	0.000	0.637	0.501	0.361	0.050	0.000	0.000
12:45	0.022	0.000	0.636	0.508	0.000	0.000	0.000	0.000
13:00	0.044	0.001	0.653	0.452	0.000	0.000	0.005	0.000
13:15	0.038	0.000	0.247	0.045	0.106	0.005	0.031	0.000
13:30	0.029	0.000	0.013	0.000	0.324	0.089	0.010	0.000
13:45	0.025	0.000	0.000	0.000	0.323	0.122	0.017	0.000
14:00	0.033	0.001	0.034	0.000	0.396	0.117	0.000	0.000
14:15	0.090	0.003	0.011	0.000	0.339	0.127	0.017	0.000
14:30	0.043	0.000	0.259	0.002	0.353	0.142	0.021	0.000
14:45	0.049	0.000	0.000	0.000	0.344	0.139	0.026	0.000

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 15, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
15:00	0.122	0.003	0.032	0.000	0.362	0.130	0.005	0.000
15:15	0.093	0.002	0.001	0.000	0.355	0.127	0.004	0.000
15:30	0.034	0.000	0.064	0.004	0.404	0.138	0.007	0.000
15:45	0.030	0.000	0.079	0.003	0.398	0.142	0.001	0.000
16:00	0.015	0.000	0.023	0.000	0.376	0.144	0.047	0.001
16:15	0.018	0.000	0.075	0.001	0.419	0.137	0.160	0.005
16:30	0.216	0.006	0.004	0.000	0.390	0.143	0.046	0.001
16:45	(c)	(c)	0.015(b)	0.002(b)	0.427	0.134	0.093(b)	0.002(b)
17:00	(c)	(c)	(c)	(c)	0.281(b)	0.115(b)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.001**		**1.080**		**0.050**		**0.000**	
Sampler Start Time	6:44 AM		6:48 AM		7:08 AM		7:00 AM	
Sampler End Time	16:30 PM		16:33 PM		16:47 PM		16:41 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit, related to high humidity levels (it was raining). A moisture trap was put on the monitor to address the effects of humidity on the monitor.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday July 15, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:00	0.001(b)	0.001(b)	0.001(b)	0.002(b)	0.001(b)	0.001(b)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.001	0.001		0.001	0.000		0.002(b)	0.001(b)		0.003(b)	0.003(b)	
7:30	0.002	0.001		0.006	0.002		0.003	0.001		0.004	0.003	
7:45	0.002	0.001		0.001	0.000		0.004	0.003		0.003	0.002	
8:00	0.004	0.003	0.001	0.004	0.003	0.002	0.004	0.003	0.002(b)	0.009	0.006	0.003(b)
8:15	0.000	0.000		0.004	0.001		0.004	0.003		0.003	0.003	
8:30	0.001	0.001		0.001	0.001		0.005	0.004		0.004	0.004	
8:45	0.003	0.002		0.001	0.000		0.005	0.004		0.004	0.004	
9:00	0.005	0.004	0.002	0.002	0.002	0.001	0.004	0.002	0.004	0.005	0.005	0.004
9:15	0.005	0.004		0.002	0.002		0.004	0.001		0.006	0.005	
9:30	0.004	0.003		0.002	0.002		0.002	0.001		0.005	0.005	
9:45	0.005	0.004		0.001	0.000		0.007	0.005		0.005	0.005	
10:00	0.003	0.003	0.004	0.002	0.001	0.001	0.006	0.004	0.003	0.004	0.004	0.005
10:15	0.004	0.003		0.002	0.001		0.005	0.004		0.007	0.005	
10:30	0.004	0.003		0.002	0.002		0.007	0.006		0.005	0.004	
10:45	0.004	0.003		0.003	0.002		0.006	0.005		0.006	0.005	
11:00	0.005	0.003	0.003	0.002	0.002	0.002	0.004	0.002	0.005	0.006	0.005	0.005
11:15	0.005	0.004		0.003	0.002		0.007	0.006		0.006	0.005	
11:30	0.005	0.003		0.004	0.003		0.004	0.003		0.013	0.008	
11:45	0.004	0.004		0.003	0.001		0.007	0.006		0.010	0.006	
12:00	0.004	0.004	0.004	0.002	0.001	0.002	0.007	0.005	0.005	0.006	0.005	0.006
12:15	0.004	0.003		0.002	0.002		0.006	0.005		0.005	0.004	
12:30	0.004	0.004		0.002	0.002		0.006	0.006		0.005	0.004	
12:45	0.004	0.003		0.003	0.002		0.006	0.005		0.005	0.004	
13:00	0.005	0.005	0.004	0.000	0.000	0.001	0.006	0.005	0.005	0.005	0.004	0.004
13:15	0.006	0.006		0.004	0.003		0.003	0.001		0.007	0.005	
13:30	0.006	0.005		0.004	0.004		0.009	0.007		0.008	0.007	
13:45	0.006	0.005		0.004	0.004		0.006	0.005		0.009	0.008	
14:00	0.011	0.007	0.006	0.004	0.004	0.004	0.009	0.006	0.005	0.013	0.009	0.007
14:15	0.005	0.005		0.004	0.004		0.008	0.007		0.006	0.006	
14:30	0.005	0.005		0.006	0.005		0.006	0.006		0.011	0.009	
14:45	0.005	0.005		0.004	0.003		0.006	0.006		0.009	0.008	
15:00	0.012	0.009	0.006	0.004	0.004	0.004	0.006	0.005	0.006	0.012	0.008	0.008
15:15	0.008	0.006		0.004	0.001		0.006	0.005		0.006	0.005	
15:30	0.005	0.005		0.003	0.002		0.006	0.005		0.007	0.007	
15:45	0.004	0.003		0.006	0.004		0.007	0.006		0.010	0.007	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday July 15, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:00	0.005	0.005	0.005	0.004	0.003	0.003	0.007	0.005	0.005	0.009	0.008	0.007
16:15	0.005	0.005		0.003	0.003		0.003	0.002		0.007	0.007	
16:30	0.005	0.005		0.004	0.004		0.007	0.002		0.006	0.006	
16:45	0.006(b)	0.006(b)		0.004(b)	0.004(b)		0.003	0.003		0.009(b)	0.007(b)	
17:00	(c)	(c)	0.005(b)	(c)	(c)	0.003(b)	0.000(b)	0.000(b)	0.002(b)	(c)	(c)	0.007(b)
17:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.004**			**0.002**			**0.004**			**0.005**		
Sampler Start Time	6:51 AM			6:56 AM			7:08 AM			7:03 AM		
Sampler End Time	4:35 PM			4:37 PM			4:46 PM			4:40 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 15, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	9.4(b)	8.9(b)	(a)	9.0(b)
7:30	7.6	10.4	4.5(b)	7.0
8:00	8.1	8.7	8.2	8.0
8:30	10.4	13.4	12.0	9.2
9:00	13.8	17.4	15.8	11.8
9:30	16.0	20.1	15.8	14.6
10:00	17.4	19.7	15.2	13.4
10:30	20.5	21.7	14.4	16.6
11:00	18.7	20.6	17.3	14.6
11:30	21.3	26.4	20.7	21.7
12:00	22.7	27.2	22.3	20.1
12:30	21.2	24.6	20.7	19.0
13:00	23.2	26.4	21.8	20.4
13:30	18.0	19.5	14.8	16.2
14:00	17.0	15.2	11.0	16.3
14:30	17.7	16.4	9.7	23.3
15:00	17.3	14.5	10.5	18.2
15:30	31.2	23.1	17.3	22.2
16:00	26.9	28.3	19.0	24.0
16:30	21.4	21.7	15.6	23.0
17:00	21.0(b)	18.6(b)	14.8	20.0(b)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**18.3**	**19.6**	**15.2**	**16.9**
Sampler Start Time	6:50 AM	6:54 AM	7:07 AM	7:00 AM
Sampler End Time	16:38 PM	16:41 PM	16:47 PM	16:44 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, July 16, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 69.3 °F
Average wind speed: 1.6 meters/second
Predominant wind direction: Southeast

5) Site Activity:

Start Time:	7:45 AM
Stop Time:	3:15 PM
Description:	Backfilled & excavated berm material

6) Other:

The VOC Monitor at Station 1 was not monitoring accurately in the morning. The monitor was brought in from the field, data was cleared, the instrument was recalibrated and it properly operated for the remainder of the day.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, July 16, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	0.820(b)	0.395(b)	(a)	(a)	0.000(b)	0.000(b)
7:15	(a)	(a)	1.353	1.041	0.087(b)	0.005(b)	0.000	0.000
7:30	(a)	(a)	2.738	2.061	0.000	0.000	0.000	0.000
7:45	(a)	(a)	3.480	2.672	0.000	0.000	0.000	0.000
8:00	(a)	(a)	2.362	1.984	0.000	0.000	0.000	0.000
8:15	(a)	(a)	2.588	1.970	0.000	0.000	0.000	0.000
8:30	(a)	(a)	3.124	2.384	0.000	0.000	0.000	0.000
8:45	(a)	(a)	1.587	1.294	0.000	0.000	0.000	0.000
9:00	(a)	(a)	1.978	1.475	0.000	0.000	0.000	0.000
9:15	(a)	(a)	1.727	1.070	0.000	0.000	0.000	0.000
9:30	(a)	(a)	0.776	0.528	0.000	0.000	0.000	0.000
9:45	(a)	(a)	0.459	0.343	0.000	0.000	0.000	0.000
10:00	(a)	(a)	0.350	0.257	0.008	0.000	0.000	0.000
10:15	0.060(b)	0.011(b)	0.270	0.172	0.058	0.005	0.000	0.000
10:30	0.049	0.006	0.260	0.070	0.166	0.025	0.000	0.000
10:45	0.148	0.029	1.033	0.021	0.376	0.112	0.072	0.002
11:00	0.209	0.063	0.098	0.006	0.304	0.102	0.135	0.006
11:15	0.170	0.075	0.000	0.000	0.334	0.117	0.028	0.004
11:30	0.278	0.064	0.000	0.000	0.415	0.166	0.028	0.003
11:45	0.109	0.028	0.000	0.000	0.430	0.181	0.089	0.023
12:00	0.148	0.026	0.000	0.000	0.467	0.205	0.090	0.035
12:15	0.213	0.040	0.000	0.000	0.444	0.214	0.053	0.038
12:30	0.116	0.027	0.000	0.000	0.461	0.224	0.090(d)	0.042(d)
12:45	0.087	0.030	0.000	0.000	0.504	0.232	0.081	0.047
13:00	0.098	0.033	0.000	0.000	0.555	0.249	0.108	0.056
13:15	0.294	0.061	0.000	0.000	0.533	0.238	0.076	0.052
13:30	0.283	0.052	0.000	0.000	0.553	0.236	0.075	0.049
13:45	0.222	0.107	0.000	0.000	0.474	0.234	0.099	0.042
14:00	0.215	0.057	0.000	0.000	0.477	0.237	0.076	0.047
14:15	0.103	0.026	0.000	0.000	0.517	0.242	0.060	0.046
14:30	0.098	0.029	0.000	0.000	0.482	0.225	0.097	0.050
14:45	0.134	0.036	0.000	0.000	0.504	0.236	1.197	0.078
15:00	0.224	0.042	0.000	0.000	0.483	0.232	0.068	0.047

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, July 16, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
15:15	0.256	0.091	0.091	0.010	0.398	0.166	0.043	0.010
15:30	0.333	0.068	0.054	0.003	0.153	0.025	0.058	0.019
15:45	0.139	0.018	0.000	0.000	0.398	0.102	0.100	0.053
16:00	0.069(b)	0.014(b)	0.000(b)	0.000(b)	0.453	0.183	0.088(b)	0.051(b)
16:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.045**		**0.493**		**0.118**		**0.021**	
Sampler Start Time	10:14 AM		6:54 AM		7:09 AM		6:50 AM	
Sampler End Time	15:48 PM		15:47 PM		16:00 PM		15:46 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

Note: V1 was not monitoring accurately. The monitor was brought in from the field, data was cleared, the instrument was recalibrated and properly operated for the remainder of the day.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, July 16, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:00	0.000(b)	0.000(b)	0.000(b)	(a)	(a)	(a)	(a)	(a)	(a)	0.001(b)	0.001(b)	0.001(b)
7:15	0.008	0.005		0.000	0.000		0.001(b)	0.001(b)		0.005	0.004	
7:30	0.001	0.001		0.002	0.001		0.002	0.001		0.006	0.004	
7:45	0.001	0.001		0.002	0.001		0.002	0.001		0.003	0.003	
8:00	0.000	0.000	0.002	0.000	0.000	0.000	0.001	0.001	0.001(b)	0.002	0.001	0.003
8:15	0.003	0.002		0.003	0.002		0.002	0.001		0.005	0.004	
8:30	0.001	0.000		0.000	0.000		0.001	0.000		0.003	0.003	
8:45	0.003	0.002		0.002	0.001		0.000	0.000		0.003	0.003	
9:00	0.003	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.003	0.003	0.003
9:15	0.002	0.002		0.001	0.000		0.002	0.001		0.013	0.007	
9:30	0.002	0.001		0.001	0.000		0.004	0.001		0.002	0.002	
9:45	0.005	0.003		0.002	0.001		0.003	0.002		0.005	0.004	
10:00	0.003	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.003	0.003	0.004
10:15	0.003	0.002		0.002	0.002		0.002	0.001		0.008	0.005	
10:30	0.003	0.002		0.001	0.001		0.003	0.002		0.004	0.004	
10:45	0.002	0.002		0.003	0.002		0.002	0.002		0.007	0.005	
11:00	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.004	0.004	0.005
11:15	0.005	0.003		0.002	0.002		0.004	0.003		0.004	0.004	
11:30	0.002	0.002		0.002	0.002		0.004	0.003		0.003	0.003	
11:45	0.003	0.003		0.002	0.002		0.003	0.003		0.006	0.005	
12:00	0.003	0.003	0.003	0.002	0.001	0.002	0.004	0.004	0.003	0.005	0.004	0.004
12:15	0.003	0.002		0.000	0.000		0.004	0.004		0.011	0.006	
12:30	0.003	0.003		0.002	0.001		0.004	0.003		0.009	0.006	
12:45	0.006	0.004		0.002	0.002		0.004	0.004		0.005	0.004	
13:00	0.005	0.004	0.003	0.003	0.002	0.001	0.005	0.004	0.004	0.005	0.004	0.005
13:15	0.007	0.005		0.004	0.002		0.005	0.005		0.029	0.013	
13:30	0.008	0.005		0.003	0.002		0.005	0.004		0.006	0.005	
13:45	0.005	0.004		0.003	0.002		0.007	0.004		0.004	0.004	
14:00	0.005	0.005	0.005	0.003	0.002	0.002	0.003	0.003	0.004	0.008	0.006	0.007
14:15	0.004	0.003		0.002	0.002		0.006	0.005		0.004	0.004	
14:30	0.005	0.004		0.002	0.002		0.007	0.004		0.005	0.004	
14:45	0.004	0.003		0.003	0.003		0.004	0.003		0.004	0.004	
15:00	0.003	0.003	0.003	0.002	0.002	0.002	0.005	0.004	0.004	0.004	0.004	0.004
15:15	0.003	0.003		0.002	0.002		0.006	0.004		0.004	0.004	
15:30	0.004	0.003		0.003	0.002		0.003	0.002		0.005	0.004	
15:45	0.005	0.004		0.003	0.002		0.005	0.004		0.005(b)	0.004(b)	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, July 16, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:00	0.004(b)	0.004(b)	0.003(b)	0.001(b)	0.001(b)	0.002(b)	0.003	0.002	0.003	(c)	(c)	0.004(b)
16:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
16:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
16:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.003**			**0.001**			**0.002**			**0.004**		
Sampler Start Time	6:56 AM			7:01 AM			7:07 AM			6:52 AM		
Sampler End Time	3:50 PM			3:53 PM			4:00 PM			3:44 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, July 16, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	21.5(b)	16.8(b)	(a)	14.9(b)
7:30	24.0	15.5	13.0(b)	18.1
8:00	12.1	14.4	11.2	14.8
8:30	10.7	12.8	9.6	13.4
9:00	13.4	14.1	16.7	15.9
9:30	13.4	12.1	12.4	11.8
10:00	15.3	11.8	10.8	14.0
10:30	12.3	12.3	8.4	12.5
11:00	9.9	7.4	5.8	11.4
11:30	7.8	6.5	5.5	8.8
12:00	5.7	5.3	5.2	6.6
12:30	5.6	4.3	3.9	3.9
13:00	8.1	5.3	5.0	9.8
13:30	10.2	5.4	6.0	7.2
14:00	14.6	6.0	5.6	8.2
14:30	9.6	7.7	8.6	7.4
15:00	10.6	9.0	8.8	19.2
15:30	9.9	8.9	8.7	6.2
16:00	13.6(b)	9.0(b)	7.9	12.3(b)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**11.6**	**9.3**	**8.5**	**11.2**
Sampler Start Time	6:55 AM	7:00 AM	7:05 AM	6:50 AM
Sampler End Time	15:52 PM	15:55 PM	16:00 PM	15:48 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, July 19, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 69.5 °F
Average wind speed: 0.73 meters/second
Predominant wind direction: North

5) Site Activity:

Start Time:	8:00 AM
Stop Time:	4:00 PM
Description:	Backfilled Lagoon 1, decontaminated equipment, rolled and graded gas vent sand in landfill

6) Other:
VOC data for Station 1 was not available prior to 9:47 due to inaccurate VOC readings from V1. Field 1 was placed at station 1 to measure VOC.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, July 19, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:30	(a)	(a)	(a)	(a)	(a)	(a)	0.000(b)	0.000(b)
7:45	(a)	(a)	0.041(b)	0.018(b)	(a)	(a)	0.000	0.000
8:00	(a)	(a)	0.074	0.042	0.225(b)	0.034(b)	0.000	0.000
8:15	(a)	(a)	0.333	0.133	0.000	0.000	0.000	0.000
8:30	(a)	(a)	0.478	0.334	0.000	0.000	0.000	0.000
8:45	(a)	(a)	0.874	0.675	0.000	0.000	0.000	0.000
9:00	(a)	(a)	1.407	0.993	0.000	0.000	0.000	0.000
9:15	(a)	(a)	2.816	1.767	0.000	0.000	0.000	0.000
9:30	(a)	(a)	3.059	2.406	0.000	0.000	0.000	0.000
9:45	(a)	(a)	2.885	2.388	0.000	0.000	0.000	0.000
10:00	0.000(b)	0.000(b)	2.267	2.124	0.000	0.000	0.000	0.000
10:15	0.000	0.000	3.176	2.481	0.000	0.000	0.000	0.000
10:30	0.000	0.000	3.709	3.110	0.000	0.000	0.000	0.000
10:45	0.000	0.000	4.791	3.880	0.000	0.000	0.000	0.000
11:00	0.000	0.000	5.360	4.366	0.000	0.000	0.000	0.000
11:15	0.000	0.000	5.070	4.231	0.000	0.000	0.000	0.000
11:30	0.000	0.000	3.615	2.441	0.000	0.000	0.000	0.000
11:45	0.000	0.000	2.272	1.896	0.000	0.000	0.000	0.000
12:00	0.000	0.000	1.834	1.357	0.000	0.000	0.000	0.000
12:15	0.000	0.000	1.464	1.003	0.000	0.000	0.000	0.000
12:30	0.021	0.000	0.663	0.366	0.000	0.000	0.000	0.000
12:45	0.350	0.136	0.147	0.101	0.000	0.000	0.000	0.000
13:00	0.383	0.271	0.134	0.100	0.000	0.000	0.000	0.000
13:15	0.341	0.243	0.144	0.119	0.000	0.000	0.000	0.000
13:30	0.368	0.280	0.196	0.153	0.000	0.000	0.000	0.000
13:45	0.354	0.266	0.200	0.135	0.000	0.000	0.000	0.000
14:00	0.300	0.209	0.128	0.028	0.000	0.000	0.000	0.000
14:15	0.277	0.190	0.102	0.044	0.000	0.000	0.000	0.000
14:30	0.200	0.058	0.143	0.119	0.000	0.000	0.000	0.000
14:45	0.029	0.000	0.214	0.186	0.000	0.000	0.000	0.000

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, July 19, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Upwind		Downwind		Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
15:00	0.000	0.000	0.205	0.187	0.000	0.000	0.000	0.000
15:15	0.000	0.000	0.236	0.210	0.000	0.000	0.000	0.000
15:30	0.000	0.000	0.593	0.304	0.000	0.000	0.000	0.000
15:45	0.000	0.000	0.354	0.288	0.000	0.000	0.000	0.000
16:00	0.000	0.000	0.299	0.235	0.000	0.000	0.000	0.000
16:15	0.000	0.000	0.289	0.219	0.000	0.000	0.000	0.000
16:30	0.000(b)	0.000(b)	0.313(b)	0.248(b)	0.000	0.000	0.000	0.000
16:45	(c)	(c)	(c)	(c)	0.000(b)	0.000(b)	0.000(b)	0.000(b)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.062**		**1.105**		**0.000**		**0.000**	
Sampler Start Time	9:47 PM		7:40 AM		7:54 AM		7:28 PM	
Sampler End Time	16:27 PM		16:22 PM		16:35 PM		16:37 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

V1 was switched out with field 1 due to inaccurate readings. No data available prior to 9:47 AM.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, July 19, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:30	(a)	(a)		(a)	(a)		(a)	(a)		0.004(b)	0.004(b)	
7:45	0.000(b)	0.000(b)		(a)	(a)		(a)	(a)		0.002	0.001	
8:00	0.000	0.000	0.000(b)	0.001	0.000	0.000(b)	0.006(b)	0.002(b)	0.002(b)	0.003	0.002	0.002(b)
8:15	0.000	0.000		0.006	0.002		0.008	0.005		0.004	0.004	
8:30	0.000	0.000		0.004	0.002		0.004	0.003		0.003	0.003	
8:45	0.000	0.000		0.004	0.003		0.003	0.002		0.005	0.004	
9:00	0.000	0.000	0.000	0.002	0.001	0.002	0.003	0.002	0.003	0.003	0.003	0.003
9:15	0.001	0.000		0.002	0.001		0.005	0.003		0.004	0.003	
9:30	0.003	0.001		0.002	0.001		0.002	0.001		0.002	0.002	
9:45	0.001	0.000		0.002	0.001		0.003	0.002		0.004	0.003	
10:00	0.000	0.000	0.001	0.002	0.001	0.001	0.004	0.003	0.002	0.002	0.002	0.003
10:15	0.000	0.000		0.008	0.004		0.001	0.001		0.002	0.002	
10:30	0.000	0.000		0.004	0.002		0.002	0.001		0.002	0.002	
10:45	0.000	0.000		0.002	0.002		0.005	0.002		0.004	0.003	
11:00	0.000	0.000	0.000	0.002	0.001	0.002	0.003	0.001	0.001	0.003	0.002	0.002
11:15	0.000	0.000		0.002	0.001		0.001	0.000		0.003	0.003	
11:30	0.001	0.001		0.002	0.001		0.000	0.000		0.004	0.004	
11:45	0.002	0.001		0.002	0.001		0.003	0.003		0.005	0.005	
12:00	0.002	0.001	0.001	0.008	0.003	0.001	0.004	0.003	0.002	0.004	0.004	0.004
12:15	0.003	0.002		0.002	0.002		0.004	0.003		0.004	0.003	
12:30	0.003	0.001		0.002	0.002		0.003	0.002		0.004	0.004	
12:45	0.003	0.003		0.003	0.002		0.004	0.002		0.004	0.004	
13:00	0.003	0.003	0.002	0.002	0.002	0.002	0.004	0.004	0.003	0.004	0.004	0.004
13:15	0.003	0.003		0.002	0.002		0.004	0.003		0.004	0.003	
13:30	0.003	0.003		0.002	0.002		0.003	0.002		0.003	0.003	
13:45	0.003	0.003		0.002	0.002		0.002	0.002		0.004	0.003	
14:00	0.003	0.003	0.003	0.002	0.001	0.002	0.003	0.002	0.002	0.009	0.006	0.004
14:15	0.002	0.002		0.002	0.002		0.003	0.002		0.004	0.004	
14:30	0.002	0.002		0.002	0.001		0.000	0.000		0.005	0.004	
14:45	0.002	0.002		0.002	0.001		0.000	0.000		0.004	0.003	
15:00	0.002	0.002	0.002	0.000	0.000	0.001	0.000	0.000	0.000	0.005	0.003	0.004
15:15	0.002	0.002		0.001	0.000		0.003	0.002		0.003	0.003	
15:30	0.003	0.002		0.001	0.001		0.002	0.001		0.002	0.002	
15:45	0.004	0.003		0.007	0.003		0.002	0.001		0.002	0.002	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, July 19, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Upwind			Downwind			Downwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:00	0.003	0.003	0.003	0.002	0.001	0.001	0.001	0.000	0.001	0.003	0.002	0.002
16:15	0.003	0.003		0.002	0.001		0.001	0.000		0.003	0.002	
16:30	0.002(b)	0.002(b)		0.001(b)	0.001(b)		0.004	0.002		0.006	0.004	
16:45	(c)	(c)		(c)	(c)		(c)	(c)		0.002(b)	0.002(b)	
17:00	(c)	(c)	0.002(b)	(c)	(c)	0.001(b)	(c)	(c)	0.001(b)	(c)	(c)	0.003(b)
17:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.001**			**0.002**			**0.002**			**0.003**		
Sampler Start Time	7:37 AM			7:46 AM			7:53 AM			7:29 AM		
Sampler End Time	4:21 PM			4:28 PM			4:31 PM			4:36 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, July 19, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	(a)	(a)	(a)	81.9(b)(e)
8:00	76.6(b)	75.3(b)	74.1(b)	75.1
8:30	68.7	75.3	69.0	72.7
9:00	62.6	71.4	63.3	66.4
9:30	67.1	75.0	65.4	62.4
10:00	65.9	74.4	63.0	56.4
10:30	66.5	73.1	60.5	53.9
11:00	53.2	80.8	59.9	52.2
11:30	49.9	70.5	47.8	49.6
12:00	41.0	60.6	38.6	40.2
12:30	41.2	56.8	33.4	36.5
13:00	36.2	42.5	27.9	30.2
13:30	30.9	38.7	24.6	26.6
14:00	27.6	37.9	21.3	22.6
14:30	35.2	38.6	31.9	30.4
15:00	41.9	44.0	34.9	37.9
15:30	43.8	47.5	33.4	34.7
16:00	42.0	50.1	32.7	33.7
16:30	33.8(b)	47.4(b)	30.8	31.8
17:00	(c)	(c)	29.9(b)	30.7(b)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**49.1**	**58.5**	**43.9**	**45.1**
Sampler Start Time	7:36 AM	7:44 AM	7:51 AM	7:28 AM
Sampler End Time	16:23 PM	16:29 PM	16:34 PM	16:40 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) For this time period, there is no upwind value to compare to the downwind value. This downwind value only represents 2 minutes of data - sampling began at 7:28 am - and the value is within 5.3 ug/m3 of the subsequent upwind value. For these reasons, it is unlikely that this is an exceedance of the action limit.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, July 20, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 74.2 °F
Average wind speed: 1.6 meters/second
Predominant wind direction: North (see note below)

5) Site Activity:

Start Time:	8:00 AM
Stop Time:	4:00 PM
Description:	Backfilled in Lagoon 1. Began to apply liner to Landfill, graded and rolled in landfilled and lagoon.

6) Other:

The wind was from the south until approximately 9:00 a.m. The wind direction then shifted and was from the north. The monitors were not relocated when the wind shifted, therefore, Station 3 was the upwind monitor until 9:00 am, then Station 1 was the upwind monitor.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 20, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind/Upwind		Downwind		Upwind/Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:45	2.460(b)	0.221(b)	0.000(b)	0.000(b)	(a)	(a)	0.029(b)	0.001(b)
8:00	0.410	0.116	0.000	0.000	(a)	(a)	0.000	0.000
8:15	0.514	0.087	0.000	0.000	0.046(b)	0.000(b)	0.000	0.000
8:30	0.220	0.036	0.000	0.000	0.000	0.000	0.000	0.000
8:45	0.122	0.006	0.000	0.000	0.000	0.000	0.000	0.000
9:00	0.083	0.001	0.000	0.000	0.000	0.000	0.000	0.000
9:15	0.023	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9:30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9:45	0.050	0.001	1.270	0.300	0.000	0.000	0.000	0.000
10:00	0.116	0.008	0.693	0.330	0.000	0.000	0.000	0.000
10:15	0.311	0.031	0.048	0.001	0.000	0.000	0.000	0.000
10:30	0.317	0.053	0.006	0.000	0.000	0.000	0.000	0.000
10:45	0.424	0.067	0.000	0.000	0.000	0.000	0.000	0.000
11:00	0.372	0.059	0.000	0.000	0.000	0.000	0.001	0.000
11:15	0.442	0.072	0.000	0.000	0.029	0.001	0.004	0.000
11:30	0.455	0.089	0.000	0.000	0.084	0.005	0.004	0.000
11:45	0.567	0.083	0.000	0.000	0.091	0.010	0.006	0.001
12:00	0.939	0.123	0.000	0.000	0.258	0.032	0.009	0.003
12:15	0.389	0.084	0.000	0.000	0.092	0.018	0.010	0.005
12:30	0.557	0.093	0.000	0.000	0.262	0.041	0.013	0.007
12:45	0.521	0.090	0.000	0.000	0.229	0.047	0.012	0.007
13:00	0.960	0.148	0.000	0.000	0.221	0.048	0.024	0.011
13:15	0.525	0.115	0.000	0.000	0.224	0.047	0.065	0.013
13:30	0.553	0.098	0.000	0.000	0.219	0.052	0.016	0.011
13:45	0.492	0.110	0.000	0.000	0.232	0.062	0.016	0.011
14:00	0.931	0.144	0.000	0.000	0.288	0.067	0.015	0.011
14:15	0.555	0.091	0.000	0.000	0.243	0.068	0.018	0.013
14:30	0.574	0.101	0.000	0.000	0.241	0.073	0.032	0.012
14:45	0.444	0.094	0.000	0.000	0.302	0.071	0.047	0.012

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 20, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind/Upwind		Downwind		Upwind/Downwind		Downwind	
Time of Day	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**
	ppm		ppm		ppm		ppm	
15:00	0.403	0.097	0.000	0.000	0.290	0.077	0.079	0.016
15:15	0.954	0.131	0.000	0.000	0.291	0.083	0.019	0.013
15:30	0.510	0.088	0.000	0.000	0.310	0.084	0.021	0.012
15:45	0.463	0.090	0.000	0.000	0.298	0.085	0.020	0.013
16:00	0.502	0.095	0.000	0.000	0.356	0.094	0.021	0.014
16:15	0.391(b)	0.087(b)	0.000	0.000	0.314	0.088	0.021	0.016
16:30	(c)	(c)	0.000(b)	0.000(b)	0.296	0.090	0.028(b)	0.018(b)
16:45	(c)	(c)	(c)	(c)	0.195(b)	0.065(b)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.079**		**0.018**		**0.037**		**0.006**	
Sampler Start Time	7:34 AM		7:41 AM		8:07 AM		7:33 AM	
Sampler End Time	16:14 PM		16:17 PM		16:31 PM		16:25 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

The wind was from the south until approximately 9:00 a.m. The wind direction then shifted and was from the north. The monitors were not relocated when the wind shifted, therefore, Station 3 was the upwind monitor until 9:00 am, then Station 1 was the upwind monitor.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 20, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind/Upwind			Downwind			Upwind/Downwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:45	0.000(b)	0.000(b)		(a)	(a)		(a)	(a)		0.004(b)	0.003(b)	
8:00	0.001	0.000	0.000(b)	0.003(b)	0.002(b)	0.001(b)	(a)	(a)	(a)	0.003	0.002	0.002(b)
8:15	0.002	0.001		0.002	0.001		0.003(b)	0.002(b)		0.004	0.003	
8:30	0.001	0.001		0.002	0.002		0.001	0.000		0.003	0.003	
8:45	0.002	0.002		0.002	0.001		0.003	0.002		0.003	0.003	
9:00	0.000	0.000	0.001	0.000	0.000	0.001	0.004	0.002	0.002(b)	0.002	0.002	0.003
9:15	0.000	0.000		0.001	0.000		0.005	0.003		0.002	0.001	
9:30	0.000	0.000		0.002	0.001		0.003	0.002		0.003	0.003	
9:45	0.002	0.002		0.002	0.002		0.004	0.003		0.004	0.003	
10:00	0.003	0.001	0.001	0.004	0.003	0.002	0.003	0.002	0.003	0.004	0.004	0.003
10:15	0.003	0.003		0.003	0.003		0.005	0.003		0.004	0.004	
10:30	0.003	0.002		0.003	0.002		0.004	0.003		0.004	0.004	
10:45	0.003	0.003		0.004	0.004		0.007	0.005		0.004	0.004	
11:00	0.005	0.004	0.003	0.005	0.005	0.003	0.007	0.007	0.004	0.005	0.004	0.004
11:15	0.005	0.005		0.004	0.002		0.008	0.007		0.007	0.006	
11:30	0.006	0.005		0.005	0.004		0.003	0.002		0.007	0.006	
11:45	0.006	0.006		0.005	0.002		0.010	0.008		0.007	0.006	
12:00	0.006	0.005	0.005	0.006	0.005	0.003	0.010	0.006	0.006	0.007	0.007	0.006
12:15	0.006	0.006		0.006	0.005		0.007	0.004		0.008	0.007	
12:30	0.006	0.005		0.006	0.005		0.007	0.007		0.008	0.007	
12:45	0.008	0.006		0.005	0.005		0.013	0.011		0.008	0.007	
13:00	0.005	0.005	0.005	0.005	0.004	0.005	0.007	0.007	0.007	0.009	0.008	0.007
13:15	0.014	0.008		0.005	0.005		0.008	0.007		0.007	0.007	
13:30	0.032	0.012		0.004	0.003		0.010	0.008		0.008	0.007	
13:45	0.006	0.005		0.004	0.003		0.009	0.008		0.007	0.007	
14:00	0.005	0.004	0.007	0.004	0.003	0.004	0.014	0.010	0.009	0.007	0.007	0.007
14:15	0.009	0.008		0.005	0.004		0.009	0.007		0.008	0.007	
14:30	0.011	0.009		0.006	0.005		0.008	0.007		0.010	0.009	
14:45	0.007	0.004		0.007	0.005		0.010	0.009		0.008	0.008	
15:00	0.012	0.009	0.008	0.007	0.005	0.005	0.009	0.008	0.008	0.009	0.009	0.008
15:15	0.007	0.006		0.006	0.005		0.010	0.004		0.009	0.009	
15:30	0.008	0.006		0.005	0.004		0.010	0.009		0.009	0.009	
15:45	0.009	0.008		0.007	0.006		0.011	0.010		0.009	0.009	
16:00	0.014	0.010	0.008	0.007	0.006	0.005	0.009	0.008	0.008	0.009	0.009	0.009
16:15	0.015	0.010		0.007	0.006		0.009	0.008		0.009	0.009	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 20, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind/Upwind			Downwind			Upwind/Downwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			**ppm**			**ppm**			**ppm**		
16:30	0.006(b)	0.006(b)		0.004(b)	0.004(b)		0.009	0.008		0.008(b)	0.008(b)	
16:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:00	(c)	(c)	0.008(b)	(c)	(c)	0.005(b)	(c)	(c)	0.008(b)	(c)	(c)	0.008(b)
17:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.005**			**0.004**			**0.006**			**0.006**		
Sampler Start Time	7:43 AM			7:47 AM			8:07 AM			7:36 AM		
Sampler End Time	4:17 PM			4:20 PM			4:30 PM			4:23 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

The wind was from the south until approximately 9:00 a.m. The wind direction then shifted and was from the north. The monitors were not relocated when the wind shifted, therefore, Station 3 was the upwind monitor until 9:00 am, then Station 1 was the upwind monitor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 20, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind/Upwind	**Downwind**	**Upwind/Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	(a)	(a)	(a)	(a)
8:00	27.3(b)	32.0(b)	(a)	27.5(b)
8:30	26.5	35.3	21.1(b)	25.4
9:00	30.4	42.0	26.1	27.1
9:30	45.4	58.3	43.1	37.7
10:00	57.8	58.8	49.3	47.6
10:30	54.8	52.9	46.8	45.8
11:00	53.3	49.5	44.6	44.1
11:30	64.4	64.1	53.2	51.5
12:00	69.2	66.8	57.6	53.1
12:30	73.5	68.2	56.5	53.6
13:00	74.8	70.1	63.8	55.0
13:30	76.5	74.2	65.6	57.8
14:00	74.9	73.3	63.6	58.6
14:30	79.5	80.9	66.4	63.3
15:00	76.3	79.8	64.2	64.3
15:30	76.4	76.3	65.4	60.2
16:00	75.4	77.0	67.2	59.8
16:30	80.9(b)	67.2(b)	61.5	53.5(b)
17:00	(c)	(c)	52.5(b)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**62.3**	**63.4**	**54.1**	**49.3**
Sampler Start Time	7:39 AM	7:46 AM	8:04 AM	7:33 AM
Sampler End Time	16:22 PM	16:25 PM	16:31 PM	16:27 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

The wind was from the south until approximately 9:00 a.m. The wind direction then shifted and was from the north. The monitors were not relocated when the wind shifted, therefore, Station 3 was the upwind monitor until 9:00 am, then Station 1 was the upwind monitor.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, July 21, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 75.9 °F
Average wind speed: 1.6 meters/second
Predominant wind direction: North (see note below)

5) Site Activity:

Start Time:	8:30 AM
Stop Time:	3:30 PM
Description:	Backfilled in Lagoon 1 and 5, placed liner in landfill, decontaminated equipment

6) Other:

At the beginning of the day, the wind direction was from the South, and the monitors were set up with Station 3 as the upwind monitor. At approximately 10:10 am, the wind direction shifted and after this point, the wind came predominantly from the north. The monitors were not moved, so the relative upwind/downwind positions of the monitors changed. Monitor 3 was upwind until 10:10. After this point Station 1 was the upwind monitor.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 21, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind/Upwind		Downwind		Upwind/Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	0.040(b)	0.004(b)	(a)	(a)	(a)	(a)	(a)	(a)
7:30	0.055	0.005	0.323(b)	0.086(b)	(a)	(a)	(a)	(a)
7:45	0.066	0.006	0.258	0.068	0.176(b)	0.020(b)	(a)	(a)
8:00	0.045	0.004	0.113	0.075	0.014	0.000	(a)	(a)
8:15	0.057	0.005	0.273	0.082	0.000	0.000	(a)	(a)
8:30	0.071	0.006	1.027	0.114	0.000	0.000	(a)	(a)
8:45	0.045	0.004	0.113	0.082	0.000	0.000	(a)	(a)
9:00	0.067	0.005	0.117	0.096	0.000	0.000	(a)	(a)
9:15	0.409	0.012	0.499	0.100	0.000	0.000	(a)	(a)
9:30	0.081	0.008	0.850	0.448	0.000	0.000	0.926(b)	0.055(b)
9:45	0.117	0.010	0.293	0.206	0.000	0.000	0.242	0.005
10:00	0.120	0.013	0.236	0.120	0.055	0.003	0.090	0.008
10:15	0.109	0.014	0.202	0.118	0.086	0.012	0.006	0.000
10:30	0.087	0.009	0.254	0.118	0.129	0.015	0.004	0.000
10:45	0.099	0.010	0.113	0.067	0.160	0.025	0.003	0.000
11:00	0.123	0.012	0.068	0.043	0.185	0.048	0.003	0.000
11:15	0.135	0.011	0.037	0.017	0.208	0.049	0.000	0.000
11:30	0.090	0.011	0.039	0.017	0.221	0.064	0.000	0.000
11:45	0.099	0.013	0.045	0.021	0.308	0.082	0.000	0.000
12:00	0.103	0.010	0.045	0.022	0.292	0.080	0.000	0.000
12:15	0.095	0.011	0.018	0.002	0.296	0.085	0.000	0.000
12:30	0.098	0.010	0.002	0.000	0.316	0.089	0.000	0.000
12:45	0.128	0.009	0.000	0.000	0.285	0.092	0.000	0.000
13:00	0.094	0.009	0.000	0.000	0.279	0.098	0.000	0.000
13:15	0.123	0.011	0.000	0.000	0.295	0.094	0.000	0.000
13:30	0.598	0.018	0.000	0.000	0.333	0.103	0.000	0.000
13:45	0.130	0.009	0.000	0.000	0.321	0.103	0.000	0.000
14:00	0.154	0.011	0.080	0.001	0.293	0.101	0.000	0.000
14:15	0.129	0.009	0.000	0.000	0.296	0.112	0.000	0.000
14:30	0.109	0.004	0.017	0.000	0.301	0.103	0.000	0.000
14:45	0.070	0.003	0.015	0.000	0.276	0.108	0.000	0.000
15:00	0.123	0.006	0.001	0.000	0.266	0.105	0.000	0.000

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 21, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind/Upwind		Downwind		Upwind/Downwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
15:15	0.089	0.008	0.007	0.000	0.320	0.108	0.000	0.000
15:30	0.060	0.003	0.019	0.000	0.324	0.110	0.000	0.000
15:45	0.096	0.004	0.000	0.000	0.322	0.109	0.000	0.000
16:00	0.173(b)	0.016(b)	0.004	0.000	0.297	0.109	0.000(b)	0.000(b)
16:15	(c)	(c)	(c)	(c)	0.278(b)	0.100(b)	(c)	(c)
16:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.009**		**0.054**		**0.061**		**0.002**	
Sampler Start Time	7:15 AM		7:22 AM		7:35 AM		9:23 AM	
Sampler End Time	15:57 PM		16:00 PM		16:10 PM		15:58 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

No data available from V4 prior to 9:23 AM.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

At the beginning of the day, the wind direction was from the South, and the monitors were set up with Station 3 as the upwind monitor. At approximately 10:10 am, the wind direction shifted and after this point, the wind came predominantly from the north. The monitors were not moved, so the relative upwind/downwind positions of the monitors changed. Monitor 3 was upwind until 10:10. After this point Station 1 was the upwind monitor.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 21, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind/Upwind			Downwind			Upwind/Downwind			Downwind		
Time of Day	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)		(a)	(a)		(a)	(a)		0.002(b)	0.002(b)	
7:30	0.006(b)	0.004(b)		0.001(b)	0.001(b)		(a)	(a)		0.008	0.004	
7:45	0.000	0.000		0.002	0.001		0.000(b)	0.000(b)		0.016	0.007	
8:00	0.005	0.004	0.002(b)	0.000	0.000	0.000(b)	0.002	0.001	0.001(b)	0.003	0.002	0.004(b)
8:15	0.003	0.002		0.001	0.000		0.002	0.001		0.005	0.003	
8:30	0.002	0.002		0.003	0.002		0.003	0.002		0.002	0.002	
8:45	0.003	0.002		0.005	0.002		0.002	0.001		0.005	0.004	
9:00	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	0.003	0.002	0.003
9:15	0.003	0.003		0.002	0.001		0.001	0.000		0.005	0.004	
9:30	0.003	0.003		0.004	0.003		0.001	0.000		0.028	0.021	
9:45	0.005	0.004		0.004	0.003		0.004	0.003		0.005	0.005	
10:00	0.004	0.004	0.004	0.004	0.004	0.003	0.004	0.001	0.001	0.007	0.006	0.009
10:15	0.004	0.004		0.004	0.004		0.008	0.007		0.005	0.005	
10:30	0.004	0.004		0.004	0.004		0.008	0.007		0.007	0.006	
10:45	0.005	0.004		0.005	0.005		0.008	0.007		0.006	0.006	
11:00	0.004	0.004	0.004	0.005	0.004	0.004	0.011	0.009	0.007	0.007	0.007	0.006
11:15	0.005	0.005		0.004	0.003		0.014	0.010		0.007	0.007	
11:30	0.005	0.005		0.004	0.003		0.009	0.009		0.007	0.007	
11:45	0.005	0.005		0.006	0.006		0.011	0.008		0.007	0.007	
12:00	0.005	0.005	0.005	0.005	0.005	0.004	0.014	0.005	0.008	0.007	0.007	0.007
12:15	0.006	0.005		0.006	0.004		0.014	0.006		0.007	0.007	
12:30	0.006	0.005		0.006	0.006		0.007	0.004		0.008	0.007	
12:45	0.007	0.006		0.007	0.006		0.014	0.012		0.012	0.009	
13:00	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.005	0.006	0.014	0.009	0.008
13:15	0.005	0.005		0.007	0.006		0.009	0.005		0.008	0.007	
13:30	0.027	0.012		0.007	0.006		0.009	0.007		0.007	0.007	
13:45	0.007	0.006		0.007	0.006		0.008	0.005		0.007	0.007	
14:00	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.005	0.005	0.008	0.007	0.007
14:15	0.016	0.010		0.007	0.006		0.004	0.003		0.009	0.008	
14:30	0.007	0.006		0.007	0.007		0.007	0.005		0.009	0.008	
14:45	0.010	0.009		0.006	0.006		0.009	0.006		0.009	0.008	
15:00	0.008	0.007	0.008	0.007	0.007	0.006	0.005	0.005	0.005	0.009	0.009	0.008
15:15	0.007	0.007		0.007	0.006		0.006	0.005		0.009	0.009	
15:30	0.008	0.007		0.006	0.005		0.009	0.008		0.009	0.008	
15:45	0.008	0.008		0.006	0.005		0.004	0.004		0.009	0.009	
16:00	0.008	0.008	0.007	0.005	0.005	0.005	0.006	0.005	0.005	0.008(b)	0.008(b)	0.008(b)
16:15	(c)	(c)		0.002(b)	0.002(b)		0.004(b)	0.004(b)		(c)	(c)	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 21, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind/Upwind			Downwind			Upwind/Downwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			**ppm**			**ppm**			**ppm**		
16:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
16:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:00	(c)	(c)	(c)	(c)	(c)	0.002(b)	(c)	(c)	0.004(b)	(c)	(c)	(c)
17:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.005**			**0.004**			**0.005**			**0.007**		
Sampler Start Time	7:21 AM			7:28 AM			7:35 AM			7:15 AM		
Sampler End Time	4:00 PM			4:05 PM			4:08 PM			3:57 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

At the beginning of the day, the wind direction was from the South, and the monitors were set up with Station 3 as the upwind monitor. At approximately 10:10 am, the wind direction shifted and after this point, the wind came predominantly from the north. The monitors were not moved, so the relative upwind/downwind positions of the monitors changed. Monitor 3 was upwind until 10:10. After this point Station 1 was the upwind monitor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 21, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind/Upwind	**Downwind**	**Upwind/Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	97.5(b)(e)	103.0(b)(e)	(a)	101.7(b)(e)
8:00	98.4	83.3	73.0(b)	88.0
8:30	82.1	79.4	60.4	78.0
9:00	65.2	80.8	55.6	71.8
9:30	65.8	86.2	54.3	75.2
10:00	70.3	84.6	57.7	77.9
10:30	78.6	85.7	68.1	81.6
11:00	82.3	91.9	79.6	84.2
11:30	78.5	85.5	76.3	77.8
12:00	82.2	85.2	77.2	72.7
12:30	82.4	83.9	71.0	70.7
13:00	68.1	71.8	69.2	58.2
13:30	62.3	70.1	67.7	55.6
14:00	67.0	72.1	66.1	53.4
14:30	70.3	67.2	61.4	49.6
15:00	71.5	71.2	67.3	50.6
15:30	74.6	74.6	64.9	52.5
16:00	78.4	78.9	67.0	56.1
16:30	77.1(b)	80.3(b)	65.4(b)	55.5(b)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**75.7**	**79.7**	**66.8**	**68.9**
Sampler Start Time	7:20 AM	7:27 AM	7:33 AM	7:14 AM
Sampler End Time	16:04 PM	16:07 PM	16:11 PM	16:02 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) There is no upwind value against which to compare this downwind value. This value is within 30 ug/m3 of the subsequent upwind value.

At the beginning of the day, the wind direction was from the South, and the monitors were set up with Station 3 as the upwind monitor. At approximately 10:10 am, the wind direction shifted and after this point, the wind came predominantly from the north. The monitors were not moved, so the relative upwind/downwind positions of the monitors changed. Monitor 3 was upwind until 10:10. After this point Station 1 was the upwind monitor.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, July 22, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 80.4 °F
Average wind speed: 3.8 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:30 AM
Stop Time:	4:00 PM
Description:	Applied liner to landfill, Backfilled in Lagoon 1 & 5

6) Other:

No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 22, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:45	0.072(b)	0.002(b)	(a)	(a)	(a)	(a)	(a)	(a)
8:00	0.037	0.004	0.090(b)	0.005(b)	(a)	(a)	0.096(b)	0.001(b)
8:15	0.037	0.002	1.032	0.036	(a)	(a)	0.000	0.000
8:30	0.050	0.005	0.199	0.028	0.208	0.022	0.000	0.000
8:45	0.084	0.007	0.058	0.026	0.051	0.003	0.000	0.000
9:00	0.062	0.006	0.056	0.037	0.022	0.000	0.000	0.000
9:15	0.076	0.007	0.078	0.052	0.029	0.001	0.000	0.000
9:30	0.102	0.008	0.062	0.050	0.048	0.002	0.000	0.000
9:45	0.081	0.008	4.171	0.096	0.074	0.005	0.038	0.000
10:00	0.078	0.007	0.390	0.085	0.141	0.019	0.017	0.000
10:15	0.106	0.009	0.190	0.140	0.198	0.038	0.023	0.004
10:30	0.083	0.007	0.140	0.086	0.225	0.046	0.035	0.020
10:45	0.080	0.008	0.111	0.045	0.217	0.059	0.037	0.023
11:00	0.084	0.009	0.111	0.001	0.253	0.073	0.050	0.033
11:15	0.099	0.007	0.198	0.003	0.270	0.095	0.035	0.027
11:30	0.105	0.009	0.160	0.003	0.337	0.090	0.040	0.023
11:45	0.159	0.010	0.045	0.000	0.281	0.087	0.064	0.028
12:00	0.100	0.007	0.000	0.000	0.293	0.080	0.247	0.034
12:15	0.201	0.010	0.000	0.000	0.330	0.104	0.038	0.020
12:30	0.115	0.008	0.000	0.000	0.315	0.105	0.110	0.022
12:45	0.170	0.009	0.000	0.000	0.287	0.110	0.291	0.028
13:00	0.101	0.008	0.000	0.000	0.332	0.116	0.053	0.024
13:15	0.075	0.006	0.000	0.000	0.313	0.108	0.079	0.029
13:30	0.116	0.007	0.000	0.000	0.355	0.117	0.061	0.033
13:45	0.123	0.005	0.000	0.000	0.292	0.113	0.074	0.030
14:00	0.073	0.005	0.000	0.000	0.335	0.111	0.051	0.031
14:15	0.093	0.003	0.000	0.000	0.292	0.119	0.056	0.035

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 22, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**
	ppm		ppm		ppm		ppm	
14:30	0.119	0.004	0.000	0.000	0.278	0.114	0.052	0.031
14:45	0.082	0.005	0.000	0.000	0.293	0.117	0.066	0.036
15:00	0.084	0.005	0.000	0.000	0.313	0.115	0.048	0.034
15:15	0.040	0.001	0.000	0.000	0.325	0.112	0.369	0.044
15:30	0.245	0.002	0.000	0.000	0.315	0.126	0.057	0.040
15:45	0.123	0.001	0.000	0.000	0.335	0.121	0.084	0.036
16:00	0.015	0.000	0.000	0.000	0.342	0.120	0.068	0.045
16:15	0.084	0.003	0.000	0.000	0.320	0.114	0.056	0.040
16:30	0.084	0.004	0.032	0.000	0.333	0.124	0.053	0.038
16:45	0.009(b)	0.000(b)	0.000(b)	0.000(b)	0.317	0.118	0.062	0.040
17:00	(c)	(c)	(c)	(c)	0.292(b)	0.115(b)	0.041(b)	0.037(b)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.006**		**0.020**		**0.083**		**0.023**	
Sampler Start Time	7:36 AM		7:51 AM		8:16 AM		7:48 AM	
Sampler End Time	16:35 PM		16:38 PM		16:52 PM		16:46 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 22, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

Time of Day	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:45	(a)	(a)		(a)	(a)		(a)	(a)		0.006(b)	0.005(b)	
8:00	0.003(b)	0.003(b)	0.003(b)	(a)	(a)	(a)	(a)	(a)	(a)	0.006	0.005	0.005(b)
8:15	0.005	0.004		0.004(b)	0.003(b)		(a)	(a)		0.004	0.003	
8:30	0.004	0.003		0.003	0.003		0.004(b)	0.003(b)		0.004	0.003	
8:45	0.005	0.004		0.003	0.003		0.004	0.002		0.006	0.004	
9:00	0.004	0.003	0.004	0.003	0.003	0.003(b)	0.004	0.004	0.003(b)	0.004	0.004	0.004
9:15	0.003	0.003		0.003	0.003		0.003	0.002		0.005	0.005	
9:30	0.004	0.004		0.002	0.002		0.005	0.002		0.004	0.004	
9:45	0.005	0.004		0.003	0.002		0.004	0.003		0.007	0.006	
10:00	0.016	0.010	0.005	0.007	0.005	0.003	0.007	0.006	0.003	0.008	0.007	0.005
10:15	0.008	0.007		0.006	0.005		0.007	0.006		0.007	0.007	
10:30	0.008	0.007		0.007	0.006		0.007	0.006		0.007	0.006	
10:45	0.007	0.007		0.006	0.006		0.008	0.006		0.008	0.007	
11:00	0.008	0.008	0.007	0.006	0.006	0.006	0.008	0.007	0.006	0.009	0.008	0.007
11:15	0.013	0.009		0.006	0.006		0.007	0.006		0.008	0.008	
11:30	0.008	0.008		0.007	0.006		0.008	0.006		0.009	0.008	
11:45	0.010	0.009		0.006	0.006		0.008	0.006		0.008	0.007	
12:00	0.010	0.009	0.009	0.006	0.006	0.006	0.008	0.005	0.006	0.009	0.008	0.008
12:15	0.008	0.008		0.007	0.006		0.009	0.008		0.009	0.009	
12:30	0.009	0.008		0.007	0.007		0.010	0.009		0.009	0.009	
12:45	0.010	0.009		0.008	0.007		0.010	0.010		0.009	0.009	
13:00	0.010	0.009	0.008	0.007	0.007	0.007	0.011	0.010	0.009	0.010	0.009	0.009
13:15	0.009	0.008		0.007	0.007		0.011	0.010		0.011	0.010	
13:30	0.010	0.009		0.007	0.004		0.011	0.009		0.009	0.009	
13:45	0.011	0.009		0.007	0.006		0.010	0.010		0.011	0.010	
14:00	0.011	0.009	0.009	0.006	0.004	0.006	0.010	0.010	0.010	0.009	0.009	0.009
14:15	0.008	0.008		0.008	0.007		0.010	0.010		0.011	0.010	
14:30	0.009	0.008		0.007	0.007		0.010	0.009		0.010	0.010	
14:45	0.008	0.007		0.006	0.006		0.010	0.009		0.011	0.010	
15:00	0.008	0.007	0.008	0.005	0.003	0.006	0.010	0.010	0.010	0.010	0.009	0.010
15:15	0.009	0.008		0.007	0.007		0.010	0.010		0.010	0.009	
15:30	0.008	0.007		0.002	0.002		0.009	0.009		0.009	0.009	
15:45	0.009	0.008		0.008	0.006		0.010	0.008		0.009	0.008	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 22, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:00	0.008	0.007	0.008	0.007	0.007	0.005	0.009	0.008	0.009	0.008	0.007	0.009
16:15	0.008	0.008		0.007	0.007		0.010	0.008		0.009	0.008	
16:30	0.008	0.008		0.012	0.009		0.009	0.008		0.010	0.009	
16:45	0.008(b)	0.008(b)		0.009(b)	0.008(b)		0.009	0.008		0.010(b)	0.009(b)	
17:00	(c)	(c)	0.008(b)	(c)	(c)	0.008(b)	0.003(b)	0.002(b)	0.006(b)	(c)	(c)	0.009(b)
17:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.007**			**0.005**			**0.007**			**0.008**		
Sampler Start Time	7:52 AM			8:03 AM			8:17 AM			7:41 AM		
Sampler End Time	4:37 PM			4:41 PM			4:50 PM			4:44 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 22, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	(a)	(a)	(a)	(a)
8:00	107.9(b)(e)	109.5(b)(e)	(a)	90.3(b)(e)
8:30	100.7	110.6	88.5(b)	88.8
9:00	92.4	110.1	81.3	75.8
9:30	98.3	120.1	82.8	73.4
10:00	105.3	129.6	86.3	78.5
10:30	109.3	133.8	89.8	82.2
11:00	114.1	106.5	89.8	82.3
11:30	116.4	112.0	86.4	78.5
12:00	114.0	99.6	84.9	75.4
12:30	103.1	87.4	80.6	70.1
13:00	105.5	85.7	77.5	74.7
13:30	110.6	90.6	86.7	81.8
14:00	109.2	95.6	95.2	88.9
14:30	108.8	98.7	91.7	109.3
15:00	120.1	99.0	99.4	87.5
15:30	119.9	99.9	93.8	87.4
16:00	117.6	101.5	101.9	88.4
16:30	127.7	106.0	101.9	90.8
17:00	132.6(b)	114.8(b)	112.6(b)	96.9(b)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**110.6**	**105.4**	**90.3**	**83.9**
Sampler Start Time	7:48 AM	8:00 AM	8:12 AM	7:37 AM
Sampler End Time	16:42 PM	16:45 PM	16:51 PM	16:48 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) For this time period, there is no upwind value to compare to the downwind value. This value is within 21 ug/m3 of the subsequent upwind value. It is unlikely that this is an exceedance of the action limit.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, July 23, 2004**

1) Exceedances:
There were four exceedances of the 30 minute TWA Action Limit for Particulate Matter (downwind monitor greater than 52 ug/m3 above upwind monitor). They are as follows:

Averaging Period	Upwind Value (ug/m3)	Downwind Value (ug/m3)	Difference (ug/m3)
8:31 - 9:00	198.2	251.9	53.7
9:01 - 9:30	196.1	251.2	55.1
9:31 - 10:00	189.2	264.9	75.7
10:01 - 10:30	184.1	242.1	58.0

These exceedances may be related to high humidity.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 75.6 °F
Average wind speed: 2.6 meters/second
Predominant wind direction: South

5) Site Activity:
Start Time: 7:30
Stop Time: 3:30
Description: Applied Liner to Landfill, Backfilled Lagoon 1 & 5

6) Other:
No other items to discuss.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, July 23, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)	(a)	0.053(b)	0.030(b)
7:30	0.146(b)	0.006(b)	(a)	(a)	(a)	(a)	0.003	0.000
7:45	0.041	0.006	(a)	(a)	0.334(b)	0.097(b)	0.000	0.000
8:00	0.047	0.004	(a)	(a)	0.166	0.012	0.000	0.000
8:15	0.040	0.003	(a)	(a)	0.000	0.000	0.000	0.000
8:30	0.049	0.003	(a)	(a)	0.000	0.000	0.000	0.000
8:45	0.043	0.002	(a)	(a)	0.000	0.000	0.000	0.000
9:00	0.046	0.002	0.258(b)	0.122(b)	0.000	0.000	0.000	0.000
9:15	0.047	0.002	0.181	0.041	0.000	0.000	0.000	0.000
9:30	0.040	0.003	0.095	0.010	0.000	0.000	0.000	0.000
9:45	0.059	0.002	0.025	0.001	0.000	0.000	0.007	0.000
10:00	0.038	0.002	0.018	0.000	0.000	0.000	0.004	0.000
10:15	0.045	0.003	0.000	0.000	0.000	0.000	0.014	0.001
10:30	0.070	0.003	0.000	0.000	0.000	0.000	0.042	0.023
10:45	0.077	0.006	0.086	0.001	0.060	0.001	0.053	0.031
11:00	0.064	0.006	0.320	0.018	0.214	0.034	0.040	0.019
11:15	0.063	0.006	0.011	0.000	0.197	0.057	0.101	0.011
11:30	0.063	0.006	0.000	0.000	0.281	0.063	0.030	0.012
11:45	0.060	0.005	0.000	0.000	0.266	0.069	0.044	0.011
12:00	0.265	0.008	0.000	0.000	0.263	0.065	0.028	0.007
12:15	0.059	0.007	0.185	0.008	0.220	0.060	0.037	0.007
12:30	0.103	0.009	0.281	0.023	0.278	0.040	0.019	0.004
12:45	0.057	0.003	0.011	0.000	0.009	0.000	0.023	0.001
13:00	0.024	0.000	0.016	0.000	0.000	0.000	0.000	0.000
13:15	0.021	0.001	0.010	0.000	0.000	0.000	0.004	0.000
13:30	0.028	0.001	0.000	0.000	0.000	0.000	0.013	0.001
13:45	0.007	0.000	0.013	0.000	0.000	0.000	0.000	0.000
14:00	0.000	0.000	0.075	0.001	0.000	0.000	0.000	0.000
14:15	0.000	0.000	0.076	0.001	0.000	0.000	0.000	0.000
14:30	0.000	0.000	0.026	0.000	0.000	0.000	0.000	0.000

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Friday, July 23, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
14:45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15:15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15:30	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000
15:45	0.000(b)	0.000(b)	0.003	0.000	0.000	0.000	0.000(b)	0.000(b)
16:00	(c)	(c)	0.000(b)	0.000(b)	0.000(b)	0.000(b)	(c)	(c)
16:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.003**		**0.005**		**0.013**		**0.004**	
Sampler Start Time	7:17 AM		8:57 AM		7:42 AM		7:10 AM	
Sampler End Time	15:40 PM		15:48 PM		15:55 PM		15:43 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

No data available from V2 prior to 8:57 AM. Instrument was changed out because of abnormally high readings.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, July 23, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

Time of Day	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)		(a)	(a)		(a)	(a)		0.009(b)	0.008(b)	
7:30	0.008(b)	0.006(b)		0.006(b)	0.006(b)		(a)	(a)		0.011	0.010	
7:45	0.008	0.007		0.005	0.005		0.007(b)	0.007(b)		0.022	0.013	
8:00	0.007	0.006	0.006(b)	0.008	0.006	0.006(b)	0.006	0.005	0.006(b)	0.008	0.007	0.010(b)
8:15	0.008	0.007		0.006	0.005		0.005	0.004		0.016	0.009	
8:30	0.005	0.005		0.007	0.006		0.004	0.004		0.007	0.006	
8:45	0.005	0.005		0.005	0.004		0.005	0.005		0.007	0.006	
9:00	0.006	0.006	0.006	0.008	0.006	0.005	0.006	0.006	0.005	0.006	0.006	0.007
9:15	0.009	0.007		0.004	0.004		0.005	0.004		0.007	0.006	
9:30	0.007	0.006		0.004	0.004		0.008	0.007		0.007	0.006	
9:45	0.007	0.005		0.004	0.003		0.003	0.002		0.012	0.008	
10:00	0.006	0.005	0.006	0.006	0.004	0.004	0.005	0.002	0.004	0.007	0.006	0.007
10:15	0.035	0.018		0.005	0.004		0.006	0.005		0.007	0.007	
10:30	0.007	0.006		0.004	0.002		0.004	0.003		0.008	0.007	
10:45	0.008	0.007		0.005	0.003		0.004	0.002		0.009	0.008	
11:00	0.009	0.008	0.010	0.006	0.004	0.004	0.012	0.005	0.004	0.009	0.008	0.008
11:15	0.012	0.011		0.006	0.006		0.012	0.010		0.008	0.008	
11:30	0.014	0.011		0.006	0.006		0.010	0.006		0.008	0.008	
11:45	0.010	0.008		0.006	0.006		0.009	0.008		0.009	0.008	
12:00	0.008	0.007	0.009	0.007	0.007	0.006	0.006	0.005	0.007	0.010	0.009	0.008
12:15	0.008	0.008		0.007	0.007		0.013	0.010		0.012	0.011	
12:30	0.009	0.008		0.007	0.007		0.000	0.000		0.010	0.009	
12:45	0.008	0.007		0.005	0.004		0.009	0.006		0.009	0.009	
13:00	0.006	0.005	0.007	0.004	0.003	0.005	0.005	0.002	0.004	0.007	0.006	0.009
13:15	0.007	0.007		0.004	0.003		0.005	0.003		0.008	0.008	
13:30	0.007	0.007		0.005	0.004		0.004	0.003		0.007	0.007	
13:45	0.006	0.006		0.006	0.006		0.007	0.007		0.008	0.008	
14:00	0.006	0.006	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.008	0.007	0.008
14:15	0.006	0.004		0.006	0.005		0.005	0.005		0.007	0.007	
14:30	0.005	0.004		0.004	0.004		0.006	0.004		0.008	0.006	
14:45	0.005	0.004		0.004	0.003		0.007	0.005		0.007	0.007	
15:00	0.006	0.005	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.007	0.006	0.006
15:15	0.005	0.005		0.003	0.002		0.003	0.003		0.007	0.006	
15:30	0.004	0.004		0.004	0.004		0.005	0.004		0.006	0.005	
15:45	0.004(b)	0.003(b)		0.004	0.004		0.006	0.003		0.007	0.006	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Friday, July 23, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

Time of Day	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
16:00	(c)	(c)	0.004(b)	0.005(b)	0.005(b)	0.004(b)	0.006(b)	0.006(b)	0.004(b)	(c)	(c)	0.006(b)
16:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
16:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
16:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.007**			**0.005**			**0.005**			**0.008**		
Sampler Start Time	7:24 AM			7:30 AM			7:42 AM			7:12 AM		
Sampler End Time	3:44 PM			3:48 PM			3:51 PM			3:45 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, July 23, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	0.0
7:00	(a)	(a)	(a)	0.0
7:30	268.9(b)(e)	277.6(b)(e)	(a)	232.1(b)(e)
8:00	224.3	235.4	216.4(b)	245.7
8:30	229.2	248.4	203.3	224.1
9:00	227.2	**251.9(f)**	198.2	190.2
9:30	240.5	**251.2(f)**	196.1	195.9
10:00	228.4	**264.9(f)**	189.2	196.0
10:30	222.9	**242.1(f)**	184.1	189.2
11:00	227.5	201.0	175.7	181.6
11:30	210.7	190.9	171.0	173.7
12:00	200.3	182.9	167.9	162.7
12:30	206.8	184.1	172.6	158.3
13:00	203.7	200.3	177.0	167.7
13:30	199.5	197.7	177.0	166.0
14:00	90.0	79.1	77.6	68.3
14:30	73.1	72.3	67.3	58.9
15:00	84.0	95.3	78.1	69.2
15:30	72.0	80.1	64.6	58.6
16:00	70.3(b)	68.1(b)	58.5(b)	64.9(b)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**181.1**	**181.9**	**151.2**	**155.1**
Sampler Start Time	7:23 AM	7:27 AM	7:40 AM	7:22 AM
Sampler End Time	15:48 PM	15:51 PM	15:55 PM	15:46 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An appparent exceedance of the action limit, however, there is no upwind value to compare it to. The subsequent upwind value is relatively high.

(f) An exceedance of the action limit due to high humidity.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, July 26, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate, Jerome 631-X for H2S and ppbRae for VOC. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
VOC Monitor: Daily zero and span performed with cal gas in accordance with manufacturer's spec

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

H2S Monitor: Daily regeneration, equilibration and zero performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 72.9 °F
Average wind speed: 1.9 meters/second
Predominant wind direction: North (see below)

5) Site Activity:

Start Time:	7:45 AM
Stop Time:	3:30 PM
Description:	Backfilled in Lagoon 1 & 5, applied liner to Landfill, decontaminated equipment.

6) Other:
The wind direction at the beginning of the day was from the north, then wind shifted mid morning and was predominantly from the north, with some variability throughout the day.

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, July 26, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	High	15-min TWA	High	15-min TWA	High	15-min TWA	High	15-min TWA
	ppm		ppm		ppm		ppm	
6:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	0.086(b)	0.077(b)	(a)	(a)	(a)	(a)
7:00	0.016(b)	0.000(b)	0.128	0.079	0.393(b)	0.184(b)	0.144(b)	0.102(b)
7:15	0.656	0.030	1.472	0.163	1.542	0.199	0.472	0.072
7:30	0.083	0.003	1.002	0.069	1.146	0.330	0.098	0.009
7:45	0.000	0.000	0.216	0.080	1.484	0.178	0.021	0.000
8:00	0.000	0.000	0.810	0.513	0.290	0.098	0.000	0.000
8:15	0.000	0.000	0.461	0.126	0.308	0.075	0.000	0.000
8:30	0.000	0.000	0.193	0.045	0.251	0.076	0.040	0.000
8:45	0.000	0.000	0.074	0.021	0.212	0.075	0.000	0.000
9:00	0.367	0.003	0.448	0.011	0.257	0.082	0.005	0.000
9:15	0.487	0.013	0.016	0.004	0.290	0.093	0.000	0.000
9:30	0.033	0.000	0.016	0.002	0.276	0.099	0.002	0.000
9:45	0.109	0.001	0.015	0.001	0.300	0.115	0.004	0.000
10:00	0.000	0.000	0.011	0.003	0.313	0.117	0.007	0.000
10:15	0.031	0.000	0.001	0.000	0.367	0.118	0.004	0.000
10:30	0.000	0.000	0.007	0.000	0.351	0.122	0.025	0.003
10:45	0.000	0.000	0.000	0.000	0.311	0.115	0.042	0.007
11:00	0.000	0.000	0.000	0.000	0.320	0.119	0.054	0.010
11:15	0.082	0.001	0.000	0.000	0.297	0.118	0.045	0.004
11:30	0.000	0.000	0.000	0.000	0.363	0.124	0.047	0.003
11:45	0.000	0.000	0.000	0.000	0.638	0.134	0.017	0.003
12:00	0.000	0.000	0.000	0.000	0.627	0.138	0.012	0.003
12:15	0.000	0.000	0.000	0.000	0.325	0.130	0.012	0.003
12:30	0.000	0.000	0.000	0.000	0.314	0.130	0.007	0.002
12:45	0.000	0.000	0.000	0.000	0.348	0.122	0.010	0.003
13:00	0.006	0.000	0.003	0.000	0.314	0.134	0.063	0.006
13:15	0.000	0.000	0.000	0.000	0.302	0.133	0.047	0.008
13:30	0.000	0.000	0.000	0.000	0.315	0.134	0.011	0.005
13:45	0.000	0.000	0.000	0.000	0.349	0.133	0.050	0.013
14:00	0.006	0.000	0.000	0.000	0.297	0.126	0.047	0.015
14:15	0.000	0.000	0.000	0.000	0.338	0.135	0.048	0.014

DAILY VOC REPORT
POWNAL TANNERY SITE

Date: **Monday, July 26, 2004**

Action Limit = 15-minute TWA greater than 5 ppm

	VOC Ambient Concentrations							
	V1		V2		V3		V4	
	Downwind		Downwind		Upwind		Downwind	
Time of Day	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**	**High**	**15-min TWA**
	ppm		ppm		ppm		ppm	
14:30	0.000	0.000	0.000	0.000	0.300	0.127	0.017	0.011
14:45	0.147	0.002	0.000	0.000	0.366	0.134	0.017	0.013
15:00	0.309	0.010	0.000	0.000	0.339	0.132	0.017	0.011
15:15	0.000	0.000	0.032	0.000	0.326	0.133	0.016	0.009
15:30	0.413	0.015	0.000	0.000	0.334	0.130	0.016	0.010
15:45	0.000	0.000	0.000	0.000	0.391	0.139	0.040	0.012
16:00	0.015	0.000	0.002	0.000	0.339	0.129	0.021	0.015
16:15	0.000(b)	0.000(b)	0.004(b)	0.000(b)	0.315	0.125	0.028(b)	0.015(b)
16:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.002**		**0.030**		**0.129**		**0.009**	
Sampler Start Time	6:54 AM		6:45 AM		6:52 AM		6:50 AM	
Sampler End Time	16:04 PM		16:02 PM		16:15 PM		16:10 PM	

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the

(c) Monitoring was completed at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, July 26, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA	High	15-min TWA	1-hr TWA
	ppm			ppm			ppm			ppm		
6:15	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:30	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
6:45	(a)	(a)		(a)	(a)		(a)	(a)		(a)	(a)	
7:00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)		(a)	(a)		(a)	(a)		0.000	0.000	
7:30	0.001(b)	0.000(b)		0.001(b)	0.001(b)		(a)	(a)		0.002	0.002	
7:45	0.000	0.000		0.002	0.001		0.000(b)	0.000(b)		0.003	0.002	
8:00	0.005	0.004	0.001(b)	0.002	0.001	0.001(b)	0.000	0.000	0.000(b)	0.003	0.002	0.002(b)
8:15	0.003	0.003		0.002	0.002		0.001	0.000		0.004	0.003	
8:30	0.003	0.002		0.002	0.002		0.000	0.000		0.006	0.003	
8:45	0.003	0.003		0.002	0.002		0.001	0.000		0.004	0.003	
9:00	0.003	0.002	0.003	0.002	0.002	0.002	0.004	0.001	0.001	0.002	0.002	0.003
9:15	0.003	0.003		0.003	0.002		0.001	0.000		0.004	0.003	
9:30	0.003	0.003		0.004	0.003		0.008	0.004		0.004	0.003	
9:45	0.004	0.003		0.003	0.003		0.005	0.003		0.004	0.004	
10:00	0.004	0.003	0.003	0.002	0.002	0.003	0.006	0.004	0.003	0.005	0.005	0.004
10:15	0.004	0.003		0.003	0.002		0.009	0.006		0.007	0.006	
10:30	0.005	0.004		0.002	0.002		0.006	0.005		0.006	0.005	
10:45	0.005	0.005		0.002	0.002		0.006	0.005		0.004	0.004	
11:00	0.004	0.003	0.004	0.003	0.003	0.002	0.005	0.004	0.005	0.005	0.005	0.005
11:15	0.004	0.003		0.004	0.004		0.006	0.005		0.007	0.005	
11:30	0.005	0.004		0.003	0.003		0.006	0.005		0.010	0.006	
11:45	0.004	0.004		0.003	0.002		0.013	0.008		0.007	0.005	
12:00	0.005	0.004	0.004	0.002	0.001	0.003	0.006	0.005	0.006	0.004	0.004	0.005
12:15	0.004	0.004		0.003	0.003		0.005	0.004		0.005	0.004	
12:30	0.004	0.004		0.006	0.005		0.005	0.005		0.005	0.004	
12:45	0.004	0.004		0.004	0.003		0.006	0.005		0.005	0.004	
13:00	0.005	0.004	0.004	0.004	0.004	0.004	0.008	0.007	0.005	0.008	0.006	0.005
13:15	0.005	0.004		0.004	0.003		0.006	0.006		0.007	0.006	
13:30	0.005	0.005		0.005	0.004		0.008	0.007		0.006	0.006	
13:45	0.005	0.004		0.004	0.004		0.006	0.005		0.012	0.008	
14:00	0.005	0.005	0.005	0.005	0.004	0.004	0.008	0.006	0.006	0.009	0.007	0.007
14:15	0.005	0.005		0.004	0.004		0.007	0.006		0.006	0.006	
14:30	0.005	0.005		0.005	0.004		0.007	0.005		0.006	0.005	
14:45	0.005	0.005		0.004	0.004		0.008	0.007		0.020	0.010	
15:00	0.006	0.005	0.005	0.004	0.004	0.004	0.008	0.007	0.006	0.007	0.006	0.007
15:15	0.006	0.006		0.004	0.004		0.007	0.007		0.007	0.006	
15:30	0.006	0.005		0.005	0.005		0.008	0.007		0.021	0.011	
15:45	0.005	0.005		0.002	0.001		0.008	0.005		0.020	0.011	

DAILY HYDROGEN SULFIDE REPORT
POWNAL TANNERY SITE

Date: **Monday, July 26, 2004**

Action Limit = 1 hour TWA greater than 0.1 ppm

	Hydrogen Sulfide Ambient Concentrations											
	HS1			HS2			HS3			HS4		
	Downwind			Downwind			Upwind			Downwind		
Time of Day	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**	**High**	**15-min TWA**	**1-hr TWA**
	ppm			ppm			ppm			ppm		
16:00	0.005	0.005	0.005	0.004	0.003	0.003	0.007	0.002	0.005	0.006	0.006	0.008
16:15	(c)	(c)		0.003(b)	0.003(b)		0.006(b)	0.005(b)		0.006(b)	0.006(b)	
16:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
16:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:00	(c)	(c)	(c)	(c)	(c)	0.003(b)	(c)	(c)	0.005(b)	(c)	(c)	0.006(b)
17:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
17:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:30	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
18:45	(c)	(c)		(c)	(c)		(c)	(c)		(c)	(c)	
19:00	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.004**			**0.003**			**0.004**			**0.005**		
Sampler Start Time	7:21 AM			7:27 AM			7:39 AM			7:16 AM		
Sampler End Time	4:00 PM			4:04 PM			4:12 PM			4:08 PM		

High value is the highest 1-minute logged data in each 15-minute period

15-minute TWA is calculated as an average of the 1-minute logged data, and are calculated for the nearest 15 minute period.

1-hour TWA is calculated as an average of the 1-minute logged data within the hour, and are calculated for the nearest 15 minute period.

Daily average is an average of the 1-minute TWAs

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) This value represents an amount of data points less than the full number of data points due to sensor regeneration.

(f) Instrument was offline for regeneration of the sensor.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, July 26, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	20.8(b)	17.4(b)	(a)	23.5(b)
8:00	15.4	17.6	12.5(b)	16.3
8:30	19.8	18.5	10.6	19.6
9:00	22.4	17.8	10.5	18.5
9:30	15.4	16.0	10.2	15.0
10:00	12.4	13.5	11.1	13.7
10:30	11.8	11.7	13.1	15.8
11:00	12.9	10.9	18.1	12.7
11:30	12.5	10.1	24.4	16.3
12:00	13.1	10.0	73.6	11.5
12:30	15.6	10.4	13.4	17.3
13:00	16.4	10.8	37.5	31.6
13:30	14.9	12.3	35.9	25.5
14:00	15.7	13.0	16.4	25.9
14:30	17.2	12.7	23.6	22.3
15:00	17.2	13.3	16.8	12.8
15:30	18.3	14.7	22.7	14.4
16:00	20.6	18.9	33.2	18.6
16:30	20.4(b)	19.4(b)	28.4(b)	20.4(b)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**16.1**	**13.8**	**22.8**	**18.3**
Sampler Start Time	7:20 AM	7:26 AM	7:35 AM	7:13 AM
Sampler End Time	16:06 PM	16:09 PM	16:13 PM	16:11 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, July 27, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 63.3 °F
Average wind speed: 0.9 meters/second
Predominant wind direction: South (variable)

5) Site Activity:

Start Time:	7:45 AM
Stop Time:	3:30 PM
Description:	Backfilled in Lagoon 1 & 5, decontaminated equipment, sewing fabric around landfill.

6) Other:
Perimeter air monitoring of hydrogen sulfide (H2S) and volatile organic compound (VOC) was completed on Monday, July 26, 2004. The Daily Report will now comprise of Particulate monitoring data only.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, July 27, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	21.7(b)	21.5(b)	24.6(b)	20.7(b)
8:00	26.3	22.9	21.9	25.0
8:30	20.9	21.3	21.4	21.7
9:00	19.2	20.5	21.9	19.9
9:30	18.3	20.4	20.6	18.4
10:00	17.1	21.1	19.8	17.3
10:30	16.1	18.3	17.7	17.9
11:00	16.2	18.5	17.1	17.1
11:30	13.8	13.3	10.1	14.8
12:00	14.4	14.4	12.1	13.7
12:30	15.5	14.3	12.6	13.2
13:00	14.4	12.7	10.6	12.9
13:30	13.5	11.9	10.5	12.0
14:00	14.7	13.2	10.4	13.3
14:30	16.7	12.4	9.1	15.0
15:00	16.6	11.2	9.0	16.0
15:30	14.5	8.6	8.2	15.3
16:00	12.6(b)	7.4(b)	7.1	11.9
16:30	(c)	(c)	6.8(b)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**16.7**	**15.7**	**14.2**	**16.4**
Sampler Start Time	7:10 AM	7:12 AM	7:26 AM	7:06 AM
Sampler End Time	15:56 PM	15:58 PM	16:02 PM	16:00 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, July 28, 2004**

1) Exceedances:
There are no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 65.8 °F
Average wind speed: 2.25 meters/second
Predominant wind direction: South

5) Site Activity:
Start Time: 7:45 AM
Stop Time: 3:30 PM
Description: Backfilled in Lagoon 1 & 5, decontaminated equipment, sewing liner material.

6) Other:
No other items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, July 28, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	11.3(b)	8.3(b)	7.3(b)	14.8(b)
8:00	10.4	8.7	6.9	15.3
8:30	9.4	11.1	6.6	11.7
9:00	7.6	12.0	6.8	8.4
9:30	6.9	10.4	6.8	6.6
10:00	7.0	9.0	7.0	6.8
10:30	8.9	10.2	7.3	8.7
11:00	10.0	10.5	7.5	8.7
11:30	10.1	11.6	6.9	8.2
12:00	9.7	9.5	8.1	8.2
12:30	8.3	9.7	10.4	7.6
13:00	12.6	14.6	13.6	11.9
13:30	15.0	15.1	13.8	12.7
14:00	14.3	13.3	11.6	12.8
14:30	17.6	13.1	10.3	11.9
15:00	17.3	13.4	14.1	11.0
15:30	21.2	18.0	17.4	12.8
16:00	23.8	22.1	21.4	15.0
16:30	21.4(b)	21.0(b)	17.2(b)	14.2(b)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**12.5**	**12.6**	**10.6**	**10.7**
Sampler Start Time	7:14 AM	7:15 AM	7:23 AM	7:19 AM
Sampler End Time	16:11 PM	16:14 PM	16:17 PM	16:13 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, July 29, 2004**

1) Exceedances:
There was one apparent exceedance of the 30 minute TWA Action Limit for particulate matter (downwind monitor greater than 52 ug/m3 above upwind monitor) at DR4 for the 9:01 - 9:30 averaging period. The value for this averaging period at DR4, a downwind monitor, was 98.6 ug/m3. The value for the same period at DR1, the upwind monitor, was 35.1 ug/m3. This represents a difference of 63.5 ug/m3. The value at DR4 was the first averaging period of the day (sampling at DR4 started at 9:18 am due to logging problems at the beginning of the day) and only represented 12 minutes of data. The 30 minute average is high only because of 2 data points of 405 ug/m3 and 299 ug/m3, at 9:19 and 9:20 respectively. Then at 9:21, the values dropped to 50 ug/m3, and continued to be below 50 ug/m3 for the remainder of the day. Because there were only 12 data points, the high values affected the 30 minute average much more. So it is unclear whether the value for 9:30 is an exceedance due to site activities.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 73.6 °F
Average wind speed: 1.7 meters/second
Predominant wind direction: North

5) Site Activity:

Start Time:	7:30 AM
Stop Time:	4:00 PM
Description:	Backfilled in Lagoon 1 & 5, decontaminated equipment.

6) Other:
No other items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, July 29, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	39.4(b)	38.6(b)	37.0(b)	(a)
8:00	47.6	46.2	40.5	(a)
8:30	51.3	48.6	44.0	(a)
9:00	36.4	44.2	41.6	(a)
9:30	35.1	41.3	38.8	**98.6(b)(e)**
10:00	33.9	41.1	40.4	37.4
10:30	45.1	40.8	41.8	46.0
11:00	39.7	38.4(d)	39.4	45.1
11:30	36.2	34.9	34.9	39.0
12:00	38.3	32.7	34.1	37.3
12:30	39.8	30.7	30.9	31.1
13:00	37.8	29.7	31.5	28.7
13:30	36.1	28.4	30.4	27.2
14:00	32.9	25.3	31.4	25.9
14:30	33.1	33.5	28.8	27.2
15:00	33.7	27.6	27.3	27.4
15:30	33.0	28.4	26.6	27.6
16:00	33.2	26.5	26.2	27.9
16:30	34.9(b)	28.4(b)	26.0(b)	27.7(b)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**37.8**	**35.1**	**34.4**	**34.6**
Sampler Start Time	7:07 AM	7:14 AM	7:20 AM	9:18 AM
Sampler End Time	16:13 PM	16:18 PM	16:17 PM	16:25 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

No data available for DR4 prior to 9:18 AM due to logging problems.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An apparent exceedance of the action limit. See discussion on summary sheet.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, July 30, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 75.4 °F
Average wind speed: 3.0 meters/second
Predominant wind direction: South

5) Site Activity:
Start Time: 7:30 AM
Stop Time: 3:30 PM
Description: Backfilled in Lagoon 1 & 5, decontaminated equipment.

6) Other:
No other items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, July 30, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	55.3(b)	52.3(b)	39.0(b)	87.6(b)
8:00	47.8	55.8	36.4	57.7
8:30	45.4	52.9	36.2	58.5
9:00	46.4	45.3	35.4	51.3
9:30	45.7	48.7	33.5	49.5
10:00	48.7	58.0	36.2	49.5
10:30	45.4	60.5	36.0	50.0
11:00	49.9	66.4	38.0	52.8
11:30	51.5	70.6	42.1	54.4
12:00	61.8	78.0	50.5	61.3
12:30	67.7	71.3	56.1	67.5
13:00	113.3	80.0	62.4	76.3
13:30	98.9	99.4	67.5	77.1
14:00	92.5	87.4	61.6	75.1
14:30	81.4	90.3	57.9	71.2
15:00	76.7	78.0	57.0	65.0
15:30	80.2	76.6	57.7	60.7
16:00	78.3(b)	83.6(b)	61.4(b)	59.8(b)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**65.8**	**69.7**	**48.0**	**62.2**
Sampler Start Time	7:10 AM	7:12 AM	7:18 AM	7:09 AM
Sampler End Time	15:46 PM	15:45 PM	15:46 PM	15:45 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Saturday, July 31, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 77.6 °F
Average wind speed: 6.7 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	2:30 PM
Description:	Backfilled in Lagoon 1 & 5, decontaminated equipment.

6) Other:
No other items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Saturday, July 31, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	83.7(b)(e)	26.4(b)	(a)	44.3(b)
7:00	64.8	0.0	45.8	38.2
7:30	51.9	0.0	37.3	33.1
8:00	49.8	0.0	34.5	30.3
8:30	45.5	0.0	31.5	28.8
9:00	45.0	0.0	31.6	28.3
9:30	47.5	0.0	32.8	30.1
10:00	50.7	0.0	34.9	29.9
10:30	74.7	0.0	36.6	35.9
11:00	56.2	0.1	37.5	29.9
11:30	59.5	0.1	38.0	31.9
12:00	38.8	0.0	32.2	23.1
12:30	45.0	0.1	28.7	25.9
13:00	48.0	1.0	32.6	27.0
13:30	44.2	1.6(b)	32.7	30.1
14:00	51.6(b)	(c)	29.8(b)	32.1(b)
14:30	(c)	(c)	(c)	(c)
15:00	(c)	(c)	(c)	(c)
15:30	(c)	(c)	(c)	(c)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**52.0**	**0.7**	**34.5**	**30.5**
Sampler Start Time	6:25 AM	6:23 AM	6:37 AM	6:22 AM
Sampler End Time	13:34 PM	13:28 PM	13:36 PM	13:34 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An appparent exceedance of the action limit, however there is no upwind value to compare it to. This value is within 38 ug/m3 from the subsequent upwind value.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, August 2, 2004**

1) Exceedances:
There was an exceedance of the 30-minute TWA for Particulate Matter during the 7:01 - 7:30 averaging period. The upwind value at DR1 for this time period was 25.7 ug/m3 and the downwind value at DR4 was 87.6 ug/m3. This represents a difference of 61.9 ug/m3. It is not clear whether this was related to site activities because as it was the first averaging period of the day, there were less than the full number of data points, and the initial values were elevated, but then dropped in the subsequent averaging periods.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 75.0 °F
Average wind speed: 1.1 meters/second
Predominant wind direction: North

5) Site Activity:

Start Time:	7:30 AM
Stop Time:	4:00 PM
Description:	Backfill Lagoon 1 & 5, decontaminate equipment, place cover soil on landfill, place riprap around landfill

6) Other:

DR2 was replaced with Spare #2. Spare #2 had battery failure, therefore no data is available after 14:51. DR3 started at 9:18 due to earlier problems with run time progression. Spare #1 data was used from 12:19 to 16:30.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, August 2, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	25.7	(a)	(a)	**87.6(b)(e)**
8:00	32.6	35.7(b)	(a)	57.7
8:30	38.5	19.0	(a)	58.5
9:00	31.3	16.6	(a)	51.3
9:30	37.0	16.1	28.0(b)	49.5
10:00	44.6	15.9	35.0	49.5
10:30	51.4	18.7	38.3	50.0
11:00	41.0	8.7	31.5	52.8
11:30	38.9	3.0	30.7	54.4
12:00	36.2	1.8	29.6	61.3
12:30	30.2	1.3	28.5	62.3
13:00	33.1	1.5	32.5	62.0
13:30	34.6	0.8	27.8	63.2
14:00	34.0	0.6	30.2	60.7
14:30	27.9	0.5	26.7	61.3
15:00	30.3	1.1(b)	26.3	58.4
15:30	28.6	(c)	25.8	58.5
16:00	28.5	(c)	25.1	60.0
16:30	26.4	(c)	29.5(b)	54.0
17:00	26.6(b)	(c)	(c)	58.2
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**34.2**	**9.2**	**29.8**	**58.2**
Sampler Start Time	7:01 AM	7:38 AM	9:18 AM	7:09 AM
Sampler End Time	16:31 PM	14:51 PM	16:24 PM	16:30 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Note: DR2 was replaced with Spare #2. Spare #2 had battery failure, therefore no data is available after 14:51. DR3 started at 9:18 due to earlier problems with run time progression. Spare #1 data was used from 12:19 to 16:30.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit. See Summary page for discussion.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, August 3, 2004**

1) Exceedances:
There was an exceedance of the 30-minute TWA for Particulate Matter during the 11:01 - 11:30 averaging period. The upwind value at DR3 for this time period was 54.4 ug/m3 and the downwind value at DR1 was 112.9 ug/m3. This represents a difference of 58.5 ug/m3. This exceedance appears to be related to vehicle dust from technician's van at the time of placing the monitor. Following the initial placement of the monitor, the values decreased substantially. Dust suppression methods in place.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 72.7 °F
Average wind speed: 1.0 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:30 AM
Stop Time:	4:30 PM
Description:	Backfill lagoon, fill cover soil on landfill, crushed gravel and riprap placement along the eastern edge of landfill.

6) Other:
The particulate matter monitor at Station 1 (DR1) experienced problems with tag data despite several attempts to re-zero and restart sampling. Problem resolved and new run started at 11:15. DR1 continued to run properly for the remainder of the day.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, August 3, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	**136.9(b)(f)**	(a)	66.5(b)
7:30	(a)	57.6	59.3(b)	74.4
8:00	(a)	10.6	46.6	63.0
8:30	(a)	5.6	38.9	54.0
9:00	(a)	27.9	40.1	58.4
9:30	(a)	11.6	53.4	65.5
10:00	(a)	0.0	49.0	61.2
10:30	(a)	1.5	51.8	62.4
11:00	(a)	0.0	49.7	59.0
11:30	**112.9(b)(e)**	0.0	54.4	58.4
12:00	65.0	0.0	54.8	54.0
12:30	63.9	0.0	47.0	46.6
13:00	49.8	2.2	37.7	38.9
13:30	42.5	0.0	36.8	37.4
14:00	46.9	0.0	45.7	36.5
14:30	67.9	0.5	51.2	63.9
15:00	62.2	0.0	53.1	51.0
15:30	55.2	0.0	43.9	41.3
16:00	28.1	0.0	33.9	23.4
16:30	23.8	0.0	31.3(b)	26.0
17:00	24.8(b)	0.0(b)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**52.9**	**6.6**	**46.2**	**51.5**
Sampler Start Time	11:18 AM	6:59 AM	7:05 AM	6:56 AM
Sampler End Time	16:33 PM	16:32 PM	16:27 PM	16:30 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Note: No data available at station 1 prior to 11:18 due to problems with tag data.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action unit due to dust in van transporting unit to station 1.

(f) An apparent exceedance of the action limit, however there is no upwind value to compare it to. The value is only based on the first two minutes of data for the initial 30-minute averaging period.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, August 4, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 70.3 °F
Average wind speed: 0.9 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:30 AM
Stop Time:	4:30 PM
Description:	Backfill lagoon, fill cover soil on landfill, crushed gravel and riprap placement along the eastern edge of landfill.

6) Other:
No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, August 4, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	40.4(b)	53.4(b)	40.7(b)	39.7(b)
8:00	35.1	61.7	43.1	38.1
8:30	31.3	58.4	39.9	32.9
9:00	34.5	51.7	35.8	26.9
9:30	31.0	43.3	28.6	21.4
10:00	27.0	30.4	21.4	17.6
10:30	23.1	23.8	20.5	16.3
11:00	21.3	21.5	19.1	15.1
11:30	20.5	21.7	19.5	14.5
12:00	19.0	18.8	21.0	15.7
12:30	18.2	17.1	14.7	14.6
13:00	16.5	15.6	19.7	13.5
13:30	15.5	13.7	18.0	14.4
14:00	13.0	12.8	17.9	12.9
14:30	13.1	13.4	18.3	24.0
15:00	13.8	16.4	13.4	19.4
15:30	16.3	16.4	15.1	11.7
16:00	16.2	16.5	12.9	13.1
16:30	25.4	29.5	12.6	19.8
17:00	20.8(b)	21.1(b)	11.0(b)	28.4(b)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**22.3**	**27.6**	**22.0**	**19.9**
Sampler Start Time	7:13 AM	7:13 AM	7:24 AM	7:07 AM
Sampler End Time	16:35 PM	16:35 PM	16:31 PM	16:32 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, August 5, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 65.6 °F
Average wind speed: 1.4 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	4:00 PM
Description:	Backfill lagoon, fill cover soil on landfill and compaction, crushed gravel and riprap placement on landfill.

6) Other:
No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, August 5, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	22.2(b)	18.2	(a)	(a)
7:30	15.3	21.4(b)	(a)	16.0(b)
8:00	14.8	32.2	13.4(b)	16.5
8:30	14.7	36.5	13.6	16.3
9:00	13.8	38.4	13.9	16.6
9:30	16.1	34.8	17.0	17.8
10:00	13.7	28.2	15.5	14.9
10:30	13.6	37.5	13.6	14.5
11:00	12.6	38.7	14.3	12.6
11:30	12.4	39.3	19.0	12.5
12:00	12.9	37.1	11.2	11.9
12:30	13.4	19.2	21.4	10.7
13:00	13.0	21.8	15.5	11.9
13:30	13.1	24.6	23.9	11.6
14:00	12.1	22.0	25.1	12.0
14:30	11.6	26.4	26.1	10.7
15:00	11.4	8.3	15.3	10.1
15:30	10.5	7.8	14.8	9.6
16:00	10.2	14.3	16.3	8.7
16:30	16.3(b)	10.8(b)	18.0(b)	9.4
17:00	(c)	(c)	(c)	13.5(b)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**13.4**	**26.3**	**17.1**	**12.8**
Sampler Start Time	6:52 AM	6:56 AM	7:34 AM	7:03 AM
Sampler End Time	16:26 PM	16:25 PM	16:26 PM	16:31 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, August 6, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 56.0 °F
Average wind speed: 1.8 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	4:00 PM
Description:	Backfill lagoon, fill cover soil on landfill and compaction, crushed gravel and riprap placement on landfill.

6) Other:
No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, August 6, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	10.9(b)	10.2(b)	13.0(b)	28.7(b)
8:00	8.7	22.2	12.6	19.2
8:30	7.6	43.2	14.9	11.7
9:00	6.0	24.6	10.5	14.0
9:30	6.7	53.3	10.2	9.8
10:00	10.3	55.3	9.9	12.1
10:30	11.4	50.8	12.3	13.4
11:00	11.4	36.7	17.6	11.3
11:30	10.1	34.6	10.4	11.5
12:00	10.2	46.3	14.9	19.3
12:30	11.6	37.9	11.2	12.3
13:00	12.9	47.5	22.1	16.0
13:30	14.6	36.0	32.7	17.9
14:00	13.1	28.7	29.1	16.7
14:30	14.4	34.9	23.3	16.6
15:00	16.1	48.0	30.4	18.3
15:30	15.1	29.7(b)	30.8	15.7
16:00	15.3(b)	(c)	42.5(b)	14.5(b)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**11.3**	**37.8**	**18.2**	**15.4**
Sampler Start Time	7:03 AM	7:03 AM	7:09 AM	7:07 AM
Sampler End Time	15:40 PM	15:29 PM	15:32 PM	15:36 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, August 9, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 65.0 °F
Average wind speed: 1.3 meters/second
Predominant wind direction: North

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	4:00 PM
Description:	Backfill lagoon areas with general fill, complete installation of landfill membrane, crushed gravel and riprap installation.

6) Other:
No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, August 9, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	35.5(b)	(a)	(a)	63.1(b)
7:30	17.2	23.2(b)	19.1(b)	24.3
8:00	20.5	22.5	18.5	20.8
8:30	20.8	38.8	21.5	27.7
9:00	14.7	36.3	15.9	20.2
9:30	11.7	22.5	9.9	9.9
10:00	11.8	16.4	9.8	9.3
10:30	11.5	27.2	14.6	12.5
11:00	13.8	49.8	15.9	17.0
11:30	9.7	50.6	29.2	15.1
12:00	9.5	25.7	16.7	9.9
12:30	15.3	22.4	21.8	9.7
13:00	13.0	20.5	24.5	14.1
13:30	11.8	41.8	32.5	19.1
14:00	11.8	27.2	32.1	11.0
14:30	13.1	23.3	42.1	12.4(d)
15:00	13.7	44.4	48.3	17.3
15:30	15.6	20.8	41.1	22.6
16:00	19.4	22.9	61.8	21.8
16:30	19.2(b)	25.4(b)	46.0	20.4
17:00	(c)	(c)	24.3(b)	17.5(b)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**14.5**	**29.6**	**27.5**	**16.8**
Sampler Start Time	6:58 AM	7:04 AM	7:03 AM	6:59 AM
Sampler End Time	16:27 PM	16:27 PM	16:31 PM	16:32 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, August 10, 2004**

1) Exceedances:
There were five exceedances of the 30 minute TWA for Particulate at Station 2 (DR2). They are as follows:

Averaging Period	Downwind (ug/m3)	Upwind (ug/m3)	Difference (ug/m3)
12:31 - 1:00	112.4	35.3	77.2
1:01 - 1:30	123.8	42.9	80.9
1:31 - 2:00	128.8	38.0	90.8
2:01 -2:30	239.0	42.4	196.6
2:31 - 3:00	155.2	37.5	117.7

The exceedances were related to dozer grading near station. Water suppression was initiated to reduce dust levels.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 65.9 °F
Average wind speed: 2.4 meters/second
Predominant wind direction: South

5) Site Activity:
Start Time: 7:00 AM
Stop Time: 3:30 PM
Description: Backfill in lagoon areas, riprap and crushed gravel installation.

6) Other:
No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, August 10, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	27.6(b)
7:30	39.3(b)	42.3(b)	(a)	31.4
8:00	31.0	44.1	41.8(b)	30.0
8:30	28.5	2.3	39.2	26.4
9:00	27.9	8.7	34.7	25.4
9:30	28.6	6.1	26.9	24.1
10:00	31.0	7.8	24.8	22.0
10:30	32.2	3.8	28.4	25.4
11:00	33.6	2.8	26.6	23.6
11:30	36.6	3.4	29.0	29.8
12:00	41.5	27.2	30.2	32.1
12:30	34.7	59.1	27.8	24.3
13:00	41.8	**112.4(e)**	35.3	44.9
13:30	50.6	**123.8(e)**	42.9	41.9
14:00	73.2	**128.8(e)**	38.0	40.3
14:30	45.5	**239.0(e)**	42.4	29.6
15:00	46.3	**155.2(e)**	37.5	28.8
15:30	(c)	(c)	40.7(b)	27.5(b)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**38.9**	**60.5**	**33.6**	**30.0**
Sampler Start Time	7:03 AM	7:02 AM	7:37 AM	6:59 AM
Sampler End Time	15:00 PM	15:00 PM	15:03 PM	15:02 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to dozer grading near station. Water suppression was initiated to reduce dust levels.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, August 11, 2004**

1) Exceedances:

There was one exceedance of the Particulate Matter Action Limit at Station 2. The upwind concentration at Station 3 (DR3) for the 2:31 - 3:00 averaging period was 86.2 ug/m3. The downwind average at Station 2 (DR2), for the same averaging period, was 195.3 ug/m3. This represents a difference of 109.1 ug/m3, which is an exceedance of the 30 minute TWA for particulate matter (downwind monitor greater than 52 ug/m3 above upwind monitor). The cause of the exceedance appears to be related to site activities occurring directly upwind of Station 2. At the time of the exceedance, there was heavy vehicle activity associated with trucks dumping cover soil and grading the landfill.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 75.7 °F
Average wind speed: 3.7 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Backfill in lagoon areas, riprap and crushed gravel installation.

6) Other:

No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, August 11, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	50.0(b)	56.0(b)(f)	(a)	54.4(b)(f)
7:30	59.0	48.6	48.8	57.4
8:00	56.9	45.1	37.0	51.0
8:30	32.9	37.8	32.2	35.1
9:00	39.7	49.2	34.7	42.4
9:30	51.8	61.7	43.9	51.0
10:00	49.6	59.7	42.6	53.4
10:30	70.5	77.5	65.0	78.4
11:00	93.1	92.3	76.8	92.3
11:30	90.2	85.4	68.0	80.7
12:00	97.1	100.4	82.8	92.5
12:30	99.4	99.0	89.2	95.6
13:00	109.2	112.7	99.0	103.3
13:30	111.1	135.7	99.3	102.7
14:00	112.5	110.2	98.4	97.8
14:30	85.1	105.7	79.5	80.8
15:00	85.3	**195.3(e)**	86.2	82.4
15:30	79.4	98.8	82.0	86.6
16:00	91.9	104.0	90.8	85.6
16:30	98.8(b)	125.4(b)	96.5(b)	87.5(b)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**79.4**	**91.3**	**70.5**	**76.3**
Sampler Start Time	7:00 AM	6:58 AM	7:01 AM	6:56 AM
Sampler End Time	16:24 PM	16:24 PM	16:15 PM	16:19 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to heavy vehicle activity related to dumping cover soil and grading the landfill.

(f) There is no upwind value to compare this downwind value to. The value is within 7.2 ug/m3 of the subsequent upwind value, and is unlikely to be an exceedance.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, August 12, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 72.8 °F
Average wind speed: 5.5 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Backfill in lagoon areas, riprap and crushed gravel installation, and installation of geocomposite.

6) Other:
No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, August 12, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	102.2(b)	101.8(b)	91.8(b)	101.4(b)
8:00	88.3	110.2	88.9	91.1
8:30	86.8	119.8	86.1	94.2
9:00	68.2	107.2	78.3	83.0
9:30	65.3	79.9	63.2	70.2
10:00	54.1	58.1	46.1	54.9
10:30	31.7	34.6	26.9	30.0
11:00	9.5	15.4	9.8	12.0
11:30	14.0	23.1	16.9	18.9
12:00	29.9	34.4	24.4	28.2
12:30	42.7	41.0	31.5	32.8
13:00	52.1	60.0	42.1	50.5
13:30	48.8	62.3	39.1	43.4
14:00	31.5	41.3	23.3	37.5
14:30	28.5	37.2	20.1	23.5
15:00	23.9	39.0(b)	20.6	23.7
15:30	(c)	(c)	25.2(b)	30.4(b)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**46.5**	**58.8**	**41.9**	**48.0**
Sampler Start Time	7:19 AM	7:19 AM	7:24 PM	7:16 AM
Sampler End Time	15:00 PM	14:59 PM	15:02 PM	15:02 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, August 13, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 72.5 °F
Average wind speed: 3.7 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Backfilling of the lagoon with general fill, gravel and riprap installation, excavation for swale north of the landfill, backfill of the landfill with cover soil

6) Other:
No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, August 13, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	33.0(b)
7:30	31.6(b)	28.7	19.4(b)	26.8
8:00	35.1	33.7	17.3	30.7
8:30	23.1	46.3	18.5	21.7
9:00	20.0	46.3	24.4	20.6
9:30	22.9	41.1	28.0	23.8
10:00	19.8	35.8	20.3	19.7
10:30	18.3	36.8	18.6	23.6
11:00	20.3	30.7	19.8	23.4
11:30	24.0	36.3	17.6	26.4
12:00	27.2	35.2	17.8	25.1
12:30	18.4	23.7	14.3	17.4
13:00	11.5	17.2	8.7	12.6
13:30	11.8	14.4	8.4	9.8
14:00	16.7	18.4	10.8(d)	10.5
14:30	19.0	20.3	16.4(d)	11.4
15:00	21.8(b)	24.3(b)	13.7	12.9
15:30	(c)	(c)	13.0(b)	(c)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**21.3**	**30.6**	**17.1**	**19.9**
Sampler Start Time	7:02 AM	7:01 AM	7:06 AM	6:58 AM
Sampler End Time	14:59 PM	14:59 PM	15:06 PM	15:00 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, August 16, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 65.9 °F
Average wind speed: 1.5 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Backfill lagoon and landfill areas, installation of the riprap slopes and swale, installation of swale between landfill and corn field.

6) Other:
No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, August 16, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	31.9(b)	30.0(b)	(a)	28.2(b)
7:30	26.6	31.7	24.1	29.6
8:00	23.4	32.0	24.9	25.1
8:30	21.2	29.2	24.1	21.4
9:00	22.6	28.6	21.4	18.5
9:30	22.0	27.3	19.3	17.7
10:00	14.4	18.4	12.1	12.1
10:30	11.6	15.9	9.3	9.2
11:00	10.5	15.2	8.2	8.1
11:30	8.2	11.0	7.0	7.1
12:00	6.6	9.4	5.2	6.7
12:30	9.1	7.5	5.7	7.5
13:00	6.8	9.2	4.6	5.8(d)
13:30	7.2	7.1	4.4	6.6(d)
14:00	4.9	4.7	2.5	3.7
14:30	3.0	9.3	2.2	3.9
15:00	10.1	7.9	3.6	10.6
15:30	12.9(b)	7.6(b)	5.5(b)	13.9(b)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**13.3**	**16.7**	**11.1**	**12.7**
Sampler Start Time	6:54 AM	6:53 AM	7:01 AM	6:50 AM
Sampler End Time	15:04 PM	15:03 PM	15:09 PM	15:01 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, August 17, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 69.6 °F
Average wind speed: 1.8 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Backfill lagoons, filling landfill, placement of berm material.

6) Other:
No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, August 17, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	15.1(b)	19.7(b)	17.0(b)	15.8(b)
7:30	10.9	0.0	19.3	11.3
8:00	9.5	0.0	11.6	9.8
8:30	11.1	0.0	14.7	13.2
9:00	13.3	1.3	16.8	14.6
9:30	13.0	16.7	13.9	11.1
10:00	14.4	18.8	17.4	11.7
10:30	14.0	16.7	17.6	11.5
11:00	14.2	17.2	19.9	11.4
11:30	18.4	23.7	23.2	12.1(d)
12:00	20.0	22.5	23.5	(d)
12:30	20.1	22.5	16.1	(d)
13:00	17.5	22.6	24.0	12.2(d)
13:30	17.4	23.0	23.7	12.3
14:00	19.0	22.5	29.8	12.4
14:30	20.1	21.1	24.2	12.6
15:00	20.5	19.3	31.6	11.4(b)
15:30	18.6(b)	(c)	29.2(b)	(c)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**15.8**	**15.6**	**20.5**	**12.0**
Sampler Start Time	6:58 AM	6:54 AM	7:00 AM	6:54 AM
Sampler End Time	15:01 PM	15:00 PM	15:05 PM	14:57 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, August 18, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 71.4 °F
Average wind speed: 2.9 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Backfill lagoons, filling landfill, placement of berm material.

6) Other:
No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, August 18, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	62.4(b)	24.3(b)	43.1(b)	37.6(b)
7:30	58.6	0.0	43.2	50.8
8:00	54.2	0.0	40.7	48.7
8:30	46.5	0.0	38.9	48.0
9:00	44.3	0.0	39.0	48.2
9:30	46.3	0.0	40.2	40.8
10:00	53.2	0.0	42.8	47.1
10:30	53.2	0.0	46.1	44.6
11:00	59.2	0.0	46.5	47.0
11:30	67.6	0.0	48.9	56.3
12:00	70.4	0.0	51.7	50.6
12:30	78.5	0.0	58.5	51.5
13:00	82.6	0.0	65.3	63.5
13:30	100.8	0.0	73.9	80.8
14:00	98.7	0.0	84.3	87.9
14:30	113.9	0.0	89.5	77.0
15:00	106.4	0.0(b)	90.6	76.0
15:30	(c)	(c)	94.3(b)	(c)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**70.8**	**0.3**	**56.5**	**57.1**
Sampler Start Time	6:56 AM	6:56 AM	7:00 AM	6:53 AM
Sampler End Time	15:00 PM	14:56 PM	15:04 PM	15:00 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, August 19, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 75.4 °F
Average wind speed: 4.1 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Backfill lagoons, filling landfill coversoil, placed rip rap.

6) Other:
No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, August 19, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	187.9(b)(e)
7:30	165.5(b)	109.8(b)	186.0(b)	189.1
8:00	133.2	117.9	154.4	201.0
8:30	122.1	98.3	110.8	135.3
9:00	113.4	94.5	102.0	119.7
9:30	110.6	90.3	99.7	95.7
10:00	107.7	89.8	100.3	97.9
10:30	104.3	85.5	96.6	91.7(d)
11:00	93.2	77.1	90.7	95.1(d)
11:30	110.2	75.7	87.2	83.4
12:00	109.2	64.9	86.6	79.5
12:30	104.7	69.1	85.7	75.0
13:00	116.5	80.4	86.2	76.3
13:30	105.1	64.8	88.0	77.9
14:00	91.1	67.9	90.0	76.7
14:30	90.7	84.1	88.8	74.7
15:00	84.9(b)	81.2(b)	83.6(b)	65.9(b)
15:30	(c)	(c)	(c)	(c)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**110.3**	**84.5**	**101.3**	**104.7**
Sampler Start Time	7:04 AM	7:02 AM	7:08 AM	6:58 AM
Sampler End Time	14:50 PM	14:48 PM	14:52 PM	14:46 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An apparent exceedance of the action limit, however there is no upwind value to compare it to. This value is within 1.9 ug/m3 of the subsequent upwind value.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, August 20, 2004**

1) Exceedances:

There was one exceedance of the Particulate Matter Action Limit during the 7:01 - 7:30 averaging period. The value at Station 2 (DR2) a downwind monitor, was 142.3 ug/m3. The value for the same period at Station 3 (DR3) the upwind monitor, was 69.1 ug/m3, which represents a difference of 73.2 ug/m3. The cause of the exceedance was due to placement of cover soil on the slope near the monitoring station.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 74.8 °F
Average wind speed: 1.9 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Backfill lagoons, filling landfill coversoil, placed rip rap, cornfield swale installation.

6) Other:

No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, August 20, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	61.6(b)
7:30	72.4(b)	**142.3(b)(e)**	69.1(b)	75.3
8:00	84.5	95.2	59.9	65.7
8:30	72.7	56.1	61.1	55.4
9:00	59.3	1.5	59.8	60.0
9:30	58.6	0.0	57.0	46.6
10:00	47.7	0.0	47.1	40.7
10:30	52.8	0.6	43.7	53.4
11:00	52.4	0.0	45.2	51.4
11:30	50.3	24.5	46.0	39.1
12:00	54.9	2.6	52.7	42.2
12:30	61.3	0.1	55.2	46.0
13:00	62.2	0.2	62.3	48.9
13:30	62.2	22.7	61.8	47.5
14:00	68.5	49.5	57.5	44.7
14:30	64.1	52.8	61.4	44.1(b)
15:00	79.5	62.2	64.4	(c)
15:30	74.0(b)	61.3(b)	64.6(b)	(c)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**62.8**	**31.4**	**56.3**	**51.1**
Sampler Start Time	7:04 AM	7:04 AM	7:14 AM	7:00 AM
Sampler End Time	15:05 PM	15:03 PM	15:09 PM	14:08 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to placement of cover soil on slope near monitor station.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, August 23, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 69.4 °F
Average wind speed: 1.4 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Backfill lagoons, filling landfill coversoil, cornfield swale installation, Berm #4 clearing.

6) Other:
It was observed at approximately 1:04 that the particulate monitor at Station 4 (DR4) was inoperable. Spare 1 was placed at 1:40 and logged data for the remainder of the day.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, August 23, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	22.8(b)	41.8(b)	73.6(b)	(a)
8:00	15.5	24.3	15.2	(a)
8:30	14.5	8.0	14.0	13.6(b)
9:00	11.6	0.0	13.1	14.4
9:30	11.2	0.0	9.5	10.4
10:00	13.1	0.0	8.1	10.9
10:30	17.0	0.0	10.7	11.8
11:00	19.2	0.0	11.3	13.5
11:30	18.3	0.0	11.8	14.2
12:00	19.3	0.0	12.8	14.8
12:30	23.7	0.0	16.4	15.5(d)
13:00	47.7	0.0	23.2	(e)
13:30	78.0	0.0	27.5	(e)
14:00	31.8	0.0	30.7	39.0(d)
14:30	33.0	0.0	27.6	28.4
15:00	35.9	0.0	26.9	29.1
15:30	32.0(b)	0.0(b)	(c)	28.5(b)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**25.8**	**4.4**	**18.0**	**18.3**
Sampler Start Time	7:04 AM	7:04 AM	7:25 AM	8:23 AM
Sampler End Time	15:03 PM	15:04 PM	15:00 PM	15:06 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) No data due to instrument change-out.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, August 24, 2004**

1) Exceedances:
There were nine exceedances of the 30 minute TWA for Particulate at Station 2 (DR2). They are as follows:

Averaging Period	Downwind (ug/m3)	Upwind (ug/m3)	Difference (ug/m3)
10:30	64.2	4.1	60.1
11:00	64.1	3.4	60.7
11:30	71.0	3.0	68.0
12:00	100.8	3.2	97.6
12:30	112.2	3.6	108.6
13:00	118.9	3.5	115.4
13:30	94.8	4.0	90.8
14:00	64.5	4.5	60.0
14:30	58.4	5.1	53.3

The exceedances were related to dozer grading near station. Water suppression was initiated to reduce dust levels.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 63.4 °F
Average wind speed: 2.3 meters/second
Predominant wind direction: North

5) Site Activity:
Start Time: 7:00 AM
Stop Time: 3:30 PM
Description: Installing cover soil on landfill, berm #4 excavation/grubbing, cornfield swale installation.

6) Other:
No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, August 24, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	6.2(b)	(a)	(a)
7:30	9.3	9.9	7.1	44.3(b)
8:00	4.8	26.2	4.9	9.0
8:30	8.3	40.1	4.1	1.6
9:00	3.1	49.4	4.8	0.1
9:30	2.8	45.8	3.7	0.1
10:00	2.6	43.8	3.7	0.2
10:30	4.1	**64.2(e)**	4.1	0.0
11:00	3.4	**64.1(e)**	4.3	0.1
11:30	3.0	**71.0(e)**	4.3	0.3
12:00	3.2	**100.8(e)**	5.1	0.3
12:30	3.6	**112.2(e)**	2.7	0.5
13:00	3.5	**118.9(e)**	4.1	8.1
13:30	4.0	**94.8(e)**	3.6	30.9
14:00	4.5	**64.5(e)**	4.4	1.4
14:30	5.1	**58.4(e)**	4.4	3.7(b)
15:00	6.1	25.9	3.8	(c)
15:30	5.2(b)	(c)	3.6(b)	(c)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**4.5**	**61.8**	**4.3**	**4.5**
Sampler Start Time	7:01 AM	7:00 AM	7:01 AM	7:26 AM
Sampler End Time	15:08 PM	15:00 PM	15:03 PM	14:15 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to dozer grading near monitoring station. Water truck was used to suppress emissions.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, August 25, 2004**

1) Exceedances:

There were two exceedances of the 30 minute TWA for Particulate Matter at Station 2 (DR2). They are as follows:

Averaging Period	Downwind (ug/m3)	Upwind (ug/m3)	Difference (ug/m3)
7:30	91.8	7.2	84.6
8:00	62.7	8.0	54.7

The exceedances appear to be related to high humidity.

2) Sampling Procedures:

Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:

Average daily temperature: 67.3 °F
Average wind speed: 3.8 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time: 7:00 AM
Stop Time: 3:30 PM
Description: Installing cover soil on landfill, berm #4 excavation, cornfield swale installation.

6) Other:

No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, August 25, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	10.1(b)
7:30	14.6(b)	**91.8(b)(e)**	7.2(b)	46.1
8:00	11.1	**62.7(e)**	8.0	9.4
8:30	10.0	34.8	7.7	12.8
9:00	14.4	30.6	10.9	17.7
9:30	27.8	30.8	25.8	30.2
10:00	22.4	20.7	18.4	21.2
10:30	31.6	24.9	20.7	23.6
11:00	24.7	23.7	20.6	17.7
11:30	23.1	20.2	17.1	12.8(d)
12:00	22.2	26.9	20.2	68.5(d)
12:30	22.9	23.2	16.5	21.1
13:00	23.6	29.9	18.9	21.1
13:30	27.9	37.1	21.4	24.2
14:00	27.7	30.2	21.9	22.3
14:30	31.1	38.7	25.0	24.2
15:00	31.4	49.0	26.8(b)	26.3
15:30	33.3(b)	69.4(b)(f)	(c)	28.4(b)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**23.0**	**35.8**	**18.2**	**23.9**
Sampler Start Time	7:05 AM	7:06 AM	7:12 AM	7:00 AM
Sampler End Time	15:03 PM	15:06 PM	15:59 PM	15:01 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to high humidity.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, August 26, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 70.3 °F
Average wind speed: 4.6 meters/second
Predominant wind direction: North

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Grading cover soil on landfill, berm #4 excavation, cornfield swale installation

6) Other:
No additional items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, August 26, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	27.6(b)	19.4(b)	10.9(b)	11.6(b)
8:00	8.0	7.3	6.9	5.5
8:30	7.4	5.8	6.0	3.5
9:00	8.1	4.8	4.9	2.3
9:30	7.1	4.0	4.7	2.0
10:00	8.6	4.4	4.7	1.3
10:30	9.6	53.4	4.9	1.6
11:00	7.8	19.2	5.4	1.8
11:30	12.2	18.2	8.2	3.9
12:00	12.7	19.1	8.3	4.4
12:30	15.0	12.1	8.9	5.1
13:00	21.1	13.5	12.9	9.6
13:30	28.2	18.6	20.4	16.8
14:00	47.1	28.7	33.0	23.7
14:30	110.6	89.0	146.8	107.5
15:00	224.7(b)	142.6(b)	194.8(b)	166.4(b)
15:30	(c)	(c)	(c)	(c)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**24.3**	**22.5**	**20.9**	**14.9**
Sampler Start Time	7:04 AM	7:04 AM	7:10 AM	7:21 AM
Sampler End Time	14:35 PM	14:35 PM	14:34 PM	14:34 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, August 27, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 73.8 °F
Average wind speed: 2.4 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Lagoon #4 berm excavation, topsoil and gravel placement, landfill fine grading.

6) Other:

A power failure (dead battery) occurred at Station 3, as a result there is no data following the 2:30 averaging period.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, August 27, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	94.7(b)	65.9(b)	77.1(b)	(a)
7:30	90.3	71.6	83.1	79.4
8:00	73.4	67.9	70.7	60.8
8:30	61.1	54.8	64.2	52.1
9:00	53.7	42.2	52.7	44.2
9:30	53.6	47.7	48.9	55.1
10:00	55.1	46.6	53.9	52.0
10:30	52.9	46.7	53.1	52.2
11:00	52.3	48.7	51.8	42.8
11:30	52.6	50.4	54.1	38.4
12:00	59.1	53.2	55.1	50.5
12:30	61.9	52.9	56.8	53.6
13:00	66.5	63.6	57.4	60.2
13:30	70.3	58.0	60.7	59.2
14:00	66.8	64.0	62.4	56.4
14:30	68.1	93.1	63.1(b)	56.0
15:00	62.8(e)	55.6(e)	(c)	49.2
15:30	64.0(b)(e)	65.3(b)(e)	(c)	49.5(b)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**62.9**	**57.5**	**59.1**	**53.4**
Sampler Start Time	6:55 AM	6:57 AM	7:00 AM	7:09 AM
Sampler End Time	15:09 PM	15:08 PM	14:15 PM	15:11 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An apparent exceedance of the action limit, however there is no upwind value to compare it to. This value is within 2.2 ug/m3 of the prior upwind value.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, August 30, 2004**

1) Exceedances:

There was one exceedance of the Particulate Matter Action Limit during the 11:31 - 12:00 averaging period. The value at Station 2 (DR2) a downwind monitor, was 93.6 ug/m3. The value for the same period at Station 3 (DR3) the upwind monitor, was 36.2 ug/m3, which represents a difference of 57.4 ug/m3. The cause of the exceedance was due a dozer grading near the monitoring station.

2) Sampling Procedures:

Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:

TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:

Average daily temperature: 80.3 °F
Average wind speed: 2.9 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Top soil placement and screening, Lagoon #4 berm excavation, site grading

6) Other:

No other items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, August 30, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	40.0(b)	50.8(b)	74.4(b)	36.7(b)
8:00	46.0	82.0	56.5	37.0
8:30	51.8	92.1	49.1	46.4
9:00	60.7	67.1	50.5	48.9
9:30	59.1	76.3	50.5	17.8
10:00	60.8	82.0	51.6	27.3
10:30	46.6	74.5	49.6	39.9
11:00	46.6	74.2	43.2	33.5
11:30	45.5	61.5	36.8	29.2
12:00	43.3	**93.6(e)**	36.2	33.0
12:30	38.0	55.9	33.8	37.7
13:00	36.8	69.5	27.5	33.1
13:30	31.2	51.6	24.1	22.7
14:00	29.1	49.0	22.9	21.3
14:30	28.4	20.0	20.2	20.5
15:00	25.1	33.1	20.2(b)	18.7
15:30	28.1(b)	14.0(b)	(c)	32.3(b)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**43.0**	**64.4**	**39.1**	**31.3**
Sampler Start Time	7:04 AM	7:05 AM	7:28 AM	7:17 AM
Sampler End Time	15:02 PM	15:03 PM	14:43 PM	15:01 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to dozer grading nearby.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, August 31, 2004**

1) Exceedances:

There was one exceedance of the Particulate Matter Action Limit during the 12:31 - 1:00 averaging period. The value at Station 3 (DR3) a downwind monitor, was 284.4 ug/m3. The value for the same period at Station 1 (DR1) the upwind monitor, was 4.6 ug/m3, which represents a difference of 279.8 ug/m3. The cause of this high number was a one minute reading of 8,369 at 12:36 PM. This may have been caused by dozer activity in the area and strong winds at the time.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 71.6 °F
Average wind speed: 3.0 meters/second
Predominant wind direction: North

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Screening of top soil, swale installation, berm #4 rip rap installation

6) Other:

No other items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, August 31, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	(a)	(a)	(a)	34.6(b)
8:00	13.8	14.4(b)	19.2(b)	14.0
8:30	18.6	17.5	20.3	17.8
9:00	21.8	20.3	21.7	25.5
9:30	29.4	21.8	24.1(d)	34.0
10:00	23.6	16.2	(d)	29.2
10:30	14.8	11.0	11.7(d)	20.0
11:00	5.7	5.8	0.0	8.6
11:30	3.1	3.6	0.0	2.4
12:00	2.7	3.2	6.8	2.5
12:30	3.0	3.2	0.1	1.0
13:00	4.6	4.6	**284.4(e)**	2.9
13:30	5.1	4.9	11.4	3.9
14:00	5.0	4.9	0.4	3.8
14:30	5.1	6.8	0.3	4.6
15:00	6.7	7.2	0.6(b)	5.5
15:30	7.6(b)	28.5(b)	(c)	9.5(b)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**10.8**	**9.7**	**30.3**	**12.7**
Sampler Start Time	7:31 AM	7:38 AM	7:57 AM	7:11 AM
Sampler End Time	15:03 PM	15:02 PM	14:57 PM	15:04 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to a one minute reading of 8,369 at 12:36 PM. This may have been caused by dozer activity in the area and strong winds.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, September 1, 2004**

1) Exceedances:

There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 67.5 °F
Average wind speed: 2.1 meters/second
Predominant wind direction: North

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Screening of top soil, swale installation, berm #4 rip rap installation

6) Other:

The DR4000 particulate monitor at Station 3 operated at the start of the day, but experienced battery trouble. A DR2000 was placed and monitored from 8:25 until the end of the day. The particulate monitor at Station 4 also experienced battery problems. At 13:45 a system fault, weak battery was noted, however data appeared to be still logging. At the 2:30 check, the battery was found not functioning. Monitoring ended at Station 4 at 1:58 pm. The battery issues will be investigated.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, September 1, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	79.5(b)	56.3(b)	(a)	60.4(b)
8:00	33.4	22.6	(a)	19.1
8:30	25.9	20.7	25.1(b)	20.9
9:00	23.1	19.5	20.2	23.5
9:30	20.4	17.6	19.1	18.9
10:00	24.0	16.8	22.3	21.4
10:30	34.0	24.6	32.2	25.7
11:00	28.8	21.4	25.0	20.2
11:30	19.9	15.7	17.8	12.1
12:00	17.4	15.0	14.7	8.8
12:30	16.6	13.1	11.1	8.5
13:00	13.9	12.4	12.0	7.3
13:30	10.5	13.4	11.7	6.3
14:00	12.5	11.8	11.3	4.9(b)
14:30	11.3	13.6	10.9	(c)
15:00	10.4	14.2(b)	13.4(b)	(c)
15:30	10.4(b)	(c)	(c)	(c)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**22.9**	**18.8**	**17.2**	**18.4**
Sampler Start Time	7:09 AM	7:08 AM	8:25 AM	7:02 AM
Sampler End Time	15:02 PM	14:58 PM	14:58 PM	13:58 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, September 2, 2004**

1) Exceedances:

There was one exceedance of the Particulate Matter Action Limit during the 3:31 - 4:00 averaging period. The value at Station 3 (DR3) a downwind monitor, was 335.1 ug/m3. The value for the same period at Station 1 (DR1) the upwind monitor, was 172.6 ug/m3, which represents a difference of 162.5 ug/m3. These averages each had abnormally high values in the last 15 minutes of the monitor operation and are high due to two or three individual high values.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 63.0 °F
Average wind speed: 2.0 meters/second
Predominant wind direction: North

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Hydroseeing, topsoil placement and screening

6) Other:
No other items to discuss.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, September 2, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	63.8(b)	47.7(b)	38.1(b)	36.1(b)
8:00	16.2	9.3	8.0	14.4
8:30	13.5	11.1	5.6	12.2
9:00	13.0	10.9	4.3	11.2
9:30	15.0	10.8	4.2	13.3
10:00	12.1	8.6	3.5	11.1
10:30	7.0	6.3	4.0	7.4
11:00	4.7	3.5	4.1	4.6
11:30	4.9	4.0	5.9	6.1
12:00	4.8	5.1	7.7	9.7
12:30	5.5	2.5	3.4	3.7
13:00	6.2	2.9	6.9	5.3
13:30	6.0	5.3	10.1	6.2
14:00	6.0	9.5	11.2	10.6
14:30	6.6	10.3	15.8	8.7
15:00	7.8	10.9	16.5	12.1(b)
15:30	7.7	11.6	14.4	(c)
16:00	172.6(b)	175.1(b)	**335.1(b)(e)**	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**16.1**	**14.5**	**23.4**	**10.3**
Sampler Start Time	7:11 AM	7:10 AM	7:11 AM	7:09 AM
Sampler End Time	15:47 PM	15:46 PM	15:53 PM	14:52 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, September 3, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 69.2 °F
Average wind speed: 1.5 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Hydroseeing, topsoil placement and screening

6) Other:
There was no data at Station 4 after 12:38 pm.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, September 3, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	17.9(b)	10.7(b)	6.6(b)	10.9(b)
8:00	15.2	11.9	6.5	28.7
8:30	15.3	12.3	10.6	14.9
9:00	11.6	12.0	19.5	11.1
9:30	13.2	10.8	25.8	18.1
10:00	16.5	10.5	31.0	13.8
10:30	14.7	11.6	22.3	13.8
11:00	18.5	14.9	15.5	12.4
11:30	18.0	13.6	16.2	11.7
12:00	19.3	14.4	18.7	14.8
12:30	22.9	14.0	16.8	15.0
13:00	21.9	12.8	18.8	11.9(b)
13:30	22.3	19.3	13.0	(c)
14:00	15.0	12.4	26.2	(c)
14:30	16.0	9.6	14.2	(c)
15:00	20.6	17.9	17.8	(c)
15:30	30.2(b)	19.6(b)	14.6(b)	(c)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**17.6**	**13.2**	**17.9**	**15.3**
Sampler Start Time	7:15 AM	7:17 AM	7:22 AM	7:27 AM
Sampler End Time	15:06 PM	15:04 PM	15:11 PM	12:38 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

No data available after 12:38 at station 4.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Tuesday, September 7, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 73.3 °F
Average wind speed: 4.5 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Topsoil placement and hydroseeding

6) Other:
Field data sheets were not maintained during this day. DR4 had a problem with the battery and/or monitor. The battery was charged at the beginning of the day but ran out at 12:50 PM.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Tuesday, September 7, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	(a)	(a)	81.9(b)	(a)
8:00	20.0(b)	25.0(b)	34.1	26.3(b)
8:30	19.3	15.9	15.7	21.6
9:00	16.5	14.5	14.8	13.7
9:30	18.7	16.0	13.7	13.8
10:00	15.8	11.8	8.8	11.0
10:30	12.8	12.3	5.1	5.7
11:00	15.8	11.9	3.0	4.3
11:30	11.1	9.2	3.5	3.0
12:00	9.1	7.5	3.0	4.8
12:30	8.0	4.7	3.7	4.8
13:00	20.6	11.4	16.5	13.6(b)
13:30	12.9	14.1	8.7	(c)
14:00	21.4	20.5	6.8	(c)
14:30	32.6	21.5	3.9	(c)
15:00	16.5	9.9	6.0	(c)
15:30	11.5	17.5	7.7	(c)
16:00	15.9	20.9	6.3	(c)
16:30	36.8	11.5(b)	7.3	(c)
17:00	181.6(b)	(c)	137.0(b)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**18.7**	**14.1**	**14.2**	**10.9**
Sampler Start Time	7:39 AM	7:39 AM	7:12 AM	7:34 AM
Sampler End Time	16:34 PM	16:22 PM	16:41 PM	12:50 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

DR4 had a problem with the battery and/or monitor. The battery was charged at the beginning of the day but ran out at 12:50 PM.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Wednesday, September 8, 2004**

1) Exceedances:
There was one exceedance of the Particulate Matter Action Limit during the 2:01 - 2:30 averaging period. The value at Station 2 (DR2) a downwind monitor, was 94.6 ug/m3. The value for the same period at Station 3 (DR3) the upwind monitor, was 29.0 ug/m3, which represents a difference of 65.6 ug/m3. The exceedance was due to hydroseeding and a hay cannon running nearby.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 70.6 °F
Average wind speed: 0.6 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Topsoil placement, hydroseeding and sheeting removal.

6) Other:
Field data sheets were not maintained during this day. DR4 had a problem with the battery and/or monitor. The battery was charged at the beginning of the day but ran out at 10:19 PM.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Wednesday, September 8, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	38.2(b)	(a)	(a)	22.4(b)
8:00	32.9	20.0(b)	23.5(b)	24.4
8:30	32.9	17.1	24.7	27.1
9:00	29.4	16.0	25.9	24.2
9:30	31.6	14.7	30.5	22.5
10:00	30.7	15.4	30.4	22.4
10:30	29.6	14.3	28.6	25.0(b)
11:00	26.2	11.9	27.1	(c)
11:30	25.5	10.4	25.4	(c)
12:00	27.9	15.0	41.3	(c)
12:30	30.5	14.9	28.6	(c)
13:00	28.0	12.5	25.1	(c)
13:30	32.7	15.3	22.1	(c)
14:00	39.1	24.7	25.5	(c)
14:30	39.6	**94.6(e)**	29.0	(c)
15:00	54.1	55.4	27.8	(c)
15:30	41.4	39.6	28.7	(c)
16:00	35.6(b)	25.8(b)	28.1(b)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**33.4**	**24.6**	**27.8**	**24.2**
Sampler Start Time	7:30 AM	7:34 AM	7:40 AM	7:25 AM
Sampler End Time	15:50 PM	15:47 PM	15:42 PM	10:19 AM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

DR4 had a problem with the battery and/or monitor. The battery was charged at the beginning of the day but ran out at 10:19 AM.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to hydroseeding and a hay cannon running nearby.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Thursday, September 9, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 71.0 °F
Average wind speed: 5.5 meters/second
Predominant wind direction: South

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Lagoon backfill, sheeting removal.

6) Other:
Field data sheets were not maintained during this day. DR4 had a problem with the battery and/or monitor. The battery was charged at the beginning of the day but ran out at 9:11 PM.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Thursday, September 9, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Downwind	**Downwind**	**Upwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	(a)	(a)	(a)	(a)
8:00	3.2(b)	2.7(b)	3.7(b)	4.3
8:30	2.2	1.2	2.4	4.6
9:00	3.6	1.9	4.9	7.0
9:30	3.1	1.5	8.6	4.0(b)
10:00	1.7	1.4	18.5	(c)
10:30	2.8	1.5	32.3	(c)
11:00	2.1	1.3	40.9	(c)
11:30	2.8	1.5	45.7	(c)
12:00	5.2	1.1	48.0	(c)
12:30	3.8	1.9	50.3	(c)
13:00	3.7	2.5	54.8	(c)
13:30	6.5	5.3	55.6	(c)
14:00	14.3	10.8	58.3	(c)
14:30	18.5	13.1	51.8	(c)
15:00	19.1	14.2	39.6	(c)
15:30	21.3(b)	15.5(b)	33.3(b)	(c)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**6.6**	**4.4**	**35.1**	**5.2**
Sampler Start Time	7:37 AM	7:39 AM	7:43 AM	7:31 AM
Sampler End Time	15:12 PM	15:10 PM	15:15 PM	9:11 AM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

DR4 had a problem with the battery and/or monitor. The battery was charged at the beginning of the day but ran out at 9:11 AM.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Friday, September 10, 2004**

1) Exceedances:
There were no exceedances.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 67.6 °F
Average wind speed: 5.4 meters/second
Predominant wind direction: North

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Removing sheeting, backfilling lagoons, removing temporary fencing.

6) Other:
Field data sheets were not maintained during this day. DR4 had a problem with the battery and/or monitor. The battery was charged at the beginning of the day but ran out at 11:47 PM.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Friday, September 10, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	(a)	(a)	29.6(b)	(a)
8:00	1.6(b)	1.7(b)	4.4	3.4(b)
8:30	0.5	0.8	4.9	1.1
9:00	0.4	0.9	4.3	0.6
9:30	0.4	0.8	3.5	0.6
10:00	0.6	0.7	3.1	0.5
10:30	0.6	0.9	4.2	0.3
11:00	0.8	1.1	3.6	1.5
11:30	1.4	1.3	3.6	1.2
12:00	1.6	1.2	3.6	1.4(b)
12:30	1.7	1.6	3.2	(c)
13:00	2.5	1.4	4.8	(c)
13:30	2.9	1.2	5.1	(c)
14:00	2.9	1.4	6.0	(c)
14:30	2.9	1.4	5.9	(c)
15:00	2.6(b)	1.0	4.3	(c)
15:30	(c)	1.1(b)	3.6(b)	(c)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**1.6**	**1.2**	**4.4**	**1.2**
Sampler Start Time	7:37 AM	7:37 AM	7:29 AM	7:32 AM
Sampler End Time	14:57 PM	15:02 PM	15:08 PM	11:47 AM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

DR4 had a problem with the battery and/or monitor. The battery was charged at the beginning of the day but ran out at 11:47 AM.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

POWNAL TANNERY SITE
PERIMETER AIR MONITORING
DAILY SUMMARY REPORT

Date: **Monday, September 13, 2004**

1) Exceedances:
There was one exceedance of the Particulate Matter Action Limit during the 3:01 - 3:30 averaging period. The value at Station 3 (DR3) a downwind monitor, was 216.0 ug/m3. The value for the same period at Station 1 (DR1) the upwind monitor, was 30.3 ug/m3, which represents a difference of 185.7 ug/m3. The exceedance may have been related to truck dumping and grading in immediate area.

2) Sampling Procedures:
Sampling procedures followed those specified in the Sampling Summary Document including using a MIE DataRAM for particulate. All equipment was operated in accordance with manufacturers' specifications.

3) Calibrations:
TSP Monitor: Daily zero of the instrument performed in accordance with manufacturer's spec

4) Meteorological Data 7 AM - 5 PM:
Average daily temperature: 65.4 °F
Average wind speed: 2.8 meters/second
Predominant wind direction: North

5) Site Activity:

Start Time:	7:00 AM
Stop Time:	3:30 PM
Description:	Backfilling of lagoons with genera fill, equipment demobilization.

6) Other:
Field data sheets were not maintained during this day. DR4 had a problem with the battery and/or monitor. The battery was charged at the beginning of the day but ran out at 12:56 PM.

DAILY PARTICULATE REPORT
POWNAL TANNERY SITE

Date: **Monday, September 13, 2004**

Action Limit = downwind monitor greater than 52 ug/m^3 above upwind monitor

	Particulate Ambient Concentrations			
	DR1	**DR2**	**DR3**	**DR4**
	Upwind	**Downwind**	**Downwind**	**Downwind**
Time of Day	**30 Min TWA**			
	µg/m^3			
6:30	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)
7:30	(a)	(a)	(a)	(a)
8:00	(a)	(a)	(a)	(a)
8:30	(a)	(a)	(a)	(a)
9:00	(a)	(a)	(a)	(a)
9:30	88.4(b)	48.2(b)	50.7(b)	51.5(b)
10:00	75.1	41.9	49.2	44.1
10:30	70.2	38.6	50.5	47.6
11:00	71.9	36.2	57.4	55.4
11:30	66.5	32.6	50.4	47.4
12:00	57.3	29.6	50.8	51.8
12:30	40.7	22.5	31.3	34.1
13:00	42.1	23.1	39.5	40.4(b)
13:30	40.0	20.5	30.1	(c)
14:00	39.1	20.9	28.3	(c)
14:30	41.6	26.7	32.0	(c)
15:00	27.2	15.1	26.6	(c)
15:30	30.3(b)	15.7(b)	**216.0(b)(e)**	(c)
16:00	(c)	(c)	(c)	(c)
16:30	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)
Daily Average	**51.9**	**28.4**	**44.9**	**46.1**
Sampler Start Time	9:29 AM	9:20 AM	9:18 AM	9:23 AM
Sampler End Time	15:05 PM	15:05 PM	15:08 PM	12:56 PM

30-minute TWA is calculated as an average of the 1-minute logged data

Daily average is an average of the 1-minute logged data

DR4 had a problem with the battery and/or monitor. The battery was charged at the beginning of the day but ran out at 12:56 PM.

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) This value represents less than the full number of data points necessary for averaging due to startup or shutdown of the equipment.

(c) Monitoring was complete at this point for the day.

(d) This value represents less than the full number of data points necessary for averaging due to battery change, instrument check, instrument change-out, or instrument malfunction.

(e) An exceedance of the action limit due to truck dumping and grading in immediate area.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 1 - Hydrogen Sulfide

Week of April 26 - April 30, 2004

	Hydrogen Sulfide (ppm)				
	April 26, 2004	**April 27, 2004**	**April 28, 2004**	**April 29, 2004**	**April 30, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	0.0
7:15	(a)	(a)	(a)	(a)	0.0
7:30	(a)	(a)	(a)	0.0	0.0
7:45	(a)	0.0	(a)	0.0	0.0
8:00	(a)	0.0	0.0	0.0	0.0
8:15	0.0	0.0	0.0	0.0	0.0
8:30	0.0	0.0	0.0	0.0	0.0
8:45	(d)	0.0	0.0	0.0	0.0
9:00	(d)	0.0	0.0	0.0	0.0
9:15	0.0	0.0	0.0	0.0	0.0
9:30	0.0	0.0	0.0	0.0	0.0
9:45	(d)	0.0	0.0	(b)	0.0
10:00	0.0	0.0	0.0	0.0	0.0
10:15	(d)	0.0	0.0	0.0	0.0
10:30	0.0	0.0	0.0	0.0	0.0
10:45	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0
11:15	(d)	0.0	0.0	0.0	0.0
11:30	0.0	0.0	0.0	0.0	0.0
11:45	(d)	0.0	(b)	0.0	0.0
12:00	0.0	0.0	(b)	(c)	0.0
12:15	0.0	0.0	(b)	(c)	0.0
12:30	0.0	0.0	(b)	(c)	0.0
12:45	0.0	0.0	(b)	(c)	0.0
13:00	0.0	0.0	(b)	(c)	0.0
13:15	0.0	0.0	(b)	(c)	0.0
13:30	0.0	0.0	(b)	(c)	0.0
13:45	0.0	0.0	(b)	(c)	0.0
14:00	0.0	0.0	(b)	(c)	0.0
14:15	0.0	0.0	(b)	(c)	0.0
14:30	0.0	0.0	0.0	(c)	0.0
14:45	0.0	0.0	0.0	(c)	0.0
15:00	0.0	0.0	0.0	(c)	0.0
15:15	0.0	0.0	0.0	(c)	0.0
15:30	0.0	0.0	0.0	(c)	0.0
15:45	0.0	0.0	0.0	(c)	0.0
16:00	0.0	0.0	(c)	(c)	0.0
16:15	(c)	0.0	(c)	(c)	0.0
16:30	(c)	0.0	(c)	(c)	0.0
16:45	(c)	0.0	(c)	(c)	(c)
17:00	(c)	0.0	(c)	(c)	(c)
17:15	(c)	0.0	(c)	(c)	(c)
17:30	(c)	0.0	(c)	(c)	(c)
Daily Average	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Sampler Start Time	8:15 AM	7:45 AM	8:00 AM	7:30 AM	7:00 AM
Sampler End Time	16:00 PM	17:30 PM	15:45 PM	11:45 AM	16:30 PM

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - VOC

Week of April 26 - April 30, 2004

	VOC (ppm)				
	April 26, 2004	**April 27, 2004**	**April 28, 2004**	**April 29, 2004**	**April 30, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	<1
7:15	(a)	(a)	(a)	(a)	<1
7:30	(a)	(a)	(a)	<1	<1
7:45	(a)	<1	(a)	<1	<1
8:00	(a)	<1	<1	<1	<1
8:15	<.1	<1	<1	<1	<1
8:30	<.1	<1	<1	<1	<1
8:45	(d)	<1	<1	<1	<1
9:00	(d)	<1	<1	<1	<1
9:15	<.1	<1	<1	<1	<1
9:30	0.4	<1	<1	<1	<1
9:45	(d)	<1	<1	(b)	<1
10:00	0.5	<1	<1	<1	<1
10:15	(d)	<1	<1	<1	<1
10:30	0.1	<1	<1	<1	<1
10:45	0.1	<1	<1	<1	<1
11:00	0.1	<1	<1	<1	<1
11:15	(d)	<1	<1	<1	<1
11:30	0.1	<1	(b)	<1	<1
11:45	(d)	<1	(b)	<1	<1
12:00	<1	<1	(b)	(c)	<1
12:15	<1	<1	(b)	(c)	<1
12:30	0.09	<1	(b)	(c)	<1
12:45	0.4	<1	(b)	(c)	<1
13:00	0.04	<1	(b)	(c)	<1
13:15	<1	<1	(b)	(c)	<1
13:30	<1	<1	(b)	(c)	<1
13:45	<1	<1	(b)	(c)	<1
14:00	<1	<1	(b)	(c)	<1
14:15	<1	<1	(b)	(c)	<1
14:30	<1	<1	<1	(c)	<1
14:45	<1	<1	<1	(c)	<1
15:00	<1	<1	<1	(c)	<1
15:15	<1	<1	<1	(c)	<1
15:30	<1	<1	<1	(c)	<1
15:45	<1	<1	<1	(c)	<1
16:00	<1	<1	(c)	(c)	<1
16:15	(c)	<1	(c)	(c)	<1
16:30	(c)	<1	(c)	(c)	<1
16:45	(c)	<1	(c)	(c)	(c)
17:00	(c)	<1	(c)	(c)	(c)
17:15	(c)	<1	(c)	(c)	(c)
17:30	(c)	<1	(c)	(c)	(c)
Daily Average	**0.203**	**<1**	**<1**	**<1**	**<1**
Sampler Start Time	8:15 AM	7:45 AM	8:00 AM	7:30 AM	7:00 AM
Sampler End Time	16:00 PM	17:30 PM	15:45 PM	11:45 AM	16:30 PM

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - Particulate Matter

Week of April 26 - April 30, 2004

	Particulate Matter (ug/m^3)				
	April 26, 2004	**April 27, 2004**	**April 28, 2004**	**April 29, 2004**	**April 30, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	20.0
7:15	(a)	(a)	(a)	(a)	34.0
7:30	(a)	(a)	(a)	2.0	17.0
7:45	(a)	0.0	(a)	4.0	26.0
8:00	(a)	0.0	4.0	4.0	22.0
8:15	0.0	11.0	10.0	6.0	20.0
8:30	11.0	10.0	11.0	6.0	17.0
8:45	(d)	38.0	9.0	8.0	10.0
9:00	(d)	37.0	7.0	5.0	6.0
9:15	8.0	38.0	4.0	5.0	12.0
9:30	12.0	47.0	4.0	7.0	16.0
9:45	(d)	59.0	6.0	(b)	22.0
10:00	14.0	45.0	3.0	5.0	33.0
10:15	(d)	36.0	4.0	6.0	31.0
10:30	15.0	30.0	8.0	8.0	27.0
10:45	11.0	24.0	6.0	7.0	28.0
11:00	16.0	19.0	8.0	7.0	25.0
11:15	(d)	17.0	8.0	8.0	28.0
11:30	22.0	29.0	10.0	10.0	22.0
11:45	(d)	24.0	(b)	9.0	21.0
12:00	41.0	22.0	(b)	(c)	22.0
12:15	44.0	25.0	(b)	(c)	18.0
12:30	0.0	31.0	(b)	(c)	24.0
12:45	4.0	29.0	(b)	(c)	17.0
13:00	20.0	25.0	(b)	(c)	0.0
13:15	22.0	18.0	(b)	(c)	9.0
13:30	21.0	25.0	(b)	(c)	16.0
13:45	22.0	23.0	(b)	(c)	12.0
14:00	22.0	22.0	(b)	(c)	18.0
14:15	21.0	19.0	(b)	(c)	14.0
14:30	23.0	17.0	7.0	(c)	20.0
14:45	24.0	21.0	5.0	(c)	26.0
15:00	26.0	20.0	7.0	(c)	24.0
15:15	27.0	18.0	8.0	(c)	18.0
15:30	31.0	18.0	11.0	(c)	9.0
15:45	28.0	19.0	12.0	(c)	10.0
16:00	26.0	20.0	(c)	(c)	12.0
16:15	(c)	19.0	(c)	(c)	10.0
16:30	(c)	18.0	(c)	(c)	8.0
16:45	(c)	17.0	(c)	(c)	(c)
17:00	(c)	155.0	(c)	(c)	(c)
17:15	(c)	49.0	(c)	(c)	(c)
17:30	(c)	22.0	(c)	(c)	(c)
Daily Average	**19.7**	**27.9**	**7.2**	**6.3**	**18.6**
Sampler Start Time	8:15 AM	7:45 AM	8:00 AM	7:30 AM	7:00 AM
Sampler End Time	16:00 PM	17:30 PM	15:45 PM	11:45 AM	16:30 PM

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 1 - Hydrogen Sulfide

Week of May 3 - May 7, 2004

	Hydrogen Sulfide (ppm)				
	May 3, 2004	**May 4, 2004**	**May 5, 2004**	**May 6, 2004**	**May 7, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	0.0	(a)	0.0	0.0	0.0
6:45	0.0	(a)	0.0	0.0	0.0
7:00	0.0	0.0	0.0	0.0	0.0
7:15	0.0	0.0	0.0	0.0	0.0
7:30	0.0	0.0	0.0	0.0	0.0
7:45	0.0	0.0	0.0	0.0	0.0
8:00	0.0	0.0	0.0	0.0	0.0
8:15	0.0	0.0	0.0	0.0	0.0
8:30	0.0	0.0	0.0	0.0	0.0
8:45	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0
9:15	0.0	0.0	0.0	0.0	0.0
9:30	0.0	0.0	0.0	0.0	0.0
9:45	0.0	0.0	0.0	0.0	0.0
10:00	0.0	0.0	0.0	0.0	0.0
10:15	0.0	0.0	0.0	0.0	0.0
10:30	0.0	0.0	0.0	0.0	0.0
10:45	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0
11:15	0.0	0.0	0.0	0.0	0.0
11:30	0.0	0.0	0.0	0.0	0.0
11:45	0.0	0.0	0.0	0.0	0.0
12:00	0.0	0.0	0.0	0.0	0.0
12:15	0.0	0.0	0.0	0.0	0.0
12:30	0.0	0.0	0.0	0.0	0.0
12:45	0.0	0.0	0.0	0.0	0.0
13:00	0.0	0.0	0.0	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	0.0
13:45	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0
14:15	0.0	(c)	0.0	0.0	0.0
14:30	0.0	(c)	0.0	0.0	0.0
14:45	0.0	(c)	0.0	0.0	0.0
15:00	(c)	(c)	0.0	0.0	0.0
15:15	(c)	(c)	0.0	0.0	0.0
15:30	(c)	(c)	0.0	0.0	0.0
15:45	(c)	(c)	0.0	0.0	0.0
16:00	(c)	(c)	0.0	0.0	(c)
16:15	(c)	(c)	(c)	0.0	(c)
16:30	(c)	(c)	(c)	0.0	(c)
16:45	(c)	(c)	(c)	0.0	(c)
17:00	(c)	(c)	(c)	0.0	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	6:30 AM	7:00 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:45 PM	4:00 PM	4:00 PM	5:00 PM	3:45 PM

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - VOC

Week of May 3 - May 7, 2004

	VOC (ppm)				
	May 3, 2004	**May 4, 2004**	**May 5, 2004**	**May 6, 2004**	**May 7, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	<1	(a)	<1	<1	<1
6:45	<1	(a)	<1	<1	<1
7:00	<1	0.00 ppm	<1	<1	<1
7:15	<1	0.00 ppm	<1	<1	<1
7:30	<1	0.00 ppm	<1	<1	<1
7:45	<1	<1	<1	<1	<1
8:00	<1	<1	<1	<1	<1
8:15	<1	<1	<1	<1	<1
8:30	<1	<1	<1	<1	<1
8:45	<1	<1	<1	<1 (f)	<1
9:00	<1	<1	<1	<1	<1
9:15	<1	<1	<1	<1	<1
9:30	<1	<1	<1	<1	<1
9:45	<1	<1	<1	<1	<1
10:00	<1	<1	<1	<1	<1
10:15	<1	<1	<1	<1	<1
10:30	<1	<1	<1	<1 (f)	<1
10:45	<1	<1	<1	<1	<1
11:00	<1	<1	<1	<1	<1
11:15	<1	<1	<1 (e)	<1	<1
11:30	<1	<1	<1	<1	<1
11:45	<1	<1	<1	<1	<1
12:00	<1	<1	<1	<1	<1
12:15	<1	<1	<1	<1	<1
12:30	<1	<1	<1	<1	<1
12:45	<1	<1	<1	<1	<1
13:00	<1	<1	<1	<1	<1
13:15	<1	<1	<1	<1	<1
13:30	<1	<1	<1	<1	<1
13:45	<1	<1	<1	<1	<1
14:00	<1	<1	<1	<1	<1
14:15	<1	<1	<1	<1	<1
14:30	<1	<1	<1	<1	<1
14:45	<1	<1	<1	<1	<1
15:00	(c)	<1	<1	<1	<1
15:15	(c)	<1	<1	<1	<1
15:30	(c)	<1	<1	<1	<1
15:45	(c)	<1	<1	<1	<1
16:00	(c)	<1	<1	<1	(c)
16:15	(c)	(c)	(c)	<1	(c)
16:30	(c)	(c)	(c)	<1	(c)
16:45	(c)	(c)	(c)	<1	(c)
17:00	(c)	(c)	(c)	<1	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**<1**	**<1**	**<1**	**<1**	**<1**
Sampler Start Time	6:30 AM	7:00 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:45 PM	4:00 PM	4:00 PM	5:00 PM	3:45 PM

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) During excavation of material in cell 1H, Dan Dargie observed high downwind VOC readings in the work zone. Cell 1H is a corner location and the positioning of the excavator was limited. (Inside labor crew had the luxury of being able to remain upwind while the excavator operator did not.) The readings in the breathing zone of the operator ranged from 40 to a peak of 67.9 PPM. At this time work was stopped and the operator was upgraded to level B. The excavation resumed and the levels eventually dropped but the level B was utilized by the operator for the remainder of the excavation. The foam unit was in use also during this effort. The upwind readings during this time were below the action level of 1 PPM and the labor crew remained in level D modified mode.

(f) High VOC readings in various cells in Lagoon #1 necessitated the use of supplied air (Level B upgrade) for the operator. The vapors would quickly dissipate, but due to the location of the machine performing the excavation, MTHSO required the upgrade. The labo support staff in the area were working in modified level D and remained upwind of the excavation.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - Particulate Matter

Week of May 3 - May 7, 2004

	Particulate Matter (ug/m^3)				
	May 3, 2004	**May 4, 2004**	**May 5, 2004**	**May 6, 2004**	**May 7, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	14.0	(a)	0.0	3.0	0.0
6:45	13.0	(a)	0.0	11.0	9.0
7:00	22.0	0.0	8.0	25.0	42.0
7:15	14.0	0.0	26.0	12.0	37.0
7:30	8.0	54.0	17.0	10.0	1.0
7:45	83.0	31.0	18.0	19.0	47.0
8:00	281.0	0.0	14.0	13.0	26.0
8:15	68.0	13.0	13.0	9.0	27.0
8:30	18.0	9.0	11.0	6.0	10.0
8:45	16.0	0.0	11.0	9.0	11.0
9:00	59.0	0.0	20.0	7.0	22.0
9:15	39.0	4.0	18.0	2.0	17.0
9:30	38.0	20.0	31.0	0.0	17.0
9:45	83.0	31.0	36.0	0.0	0.0
10:00	12.0	41.0	31.0	0.0	0.0
10:15	13.0	30.0	47.0	0.0	3.0
10:30	27.0	32.0	30.0	0.0	10.0
10:45	32.0	44.0	27.0	0.0	4.0
11:00	17.0	26.0	31.0	0.0	6.0
11:15	14.0	17.0	33.0	0.0	27.0
11:30	11.0	25.0	29.0	0.0	6.0
11:45	44.0	5.0	26.0	15.0	5.0
12:00	12.0	10.0	29.0	0.0	8.0
12:15	30.0	41.0	26.0	0.0	4.0
12:30	75.0	22.0	24.0	0.0	4.0
12:45	15.0	35.0	21.0	0.0	5.0
13:00	10.0	27.0	21.0	0.0	0.0
13:15	9.0	24.0	26.0	0.0	5.0
13:30	11.0	24.0	23.0	0.0	5.0
13:45	10.0	33.0	22.0	0.0	5.0
14:00	12.0	23.0	20.0	0.0	5.0
14:15	22.0	26.0	19.0	16.0	4.0
14:30	45.0	21.0	21.0	12.0	8.0
14:45	10.0	19.0	17.0	5.0	10.0
15:00	22.0	11.0	44.0	4.0	10.0
15:15	10.0	18.0	51.0	0.0	4.0
15:30	38.0	27.0	15.0	1.0	6.0
15:45	11.0	16.0	3.0	4.0	1.0
16:00	32.0	16.0	9.0	3.0	(c)
16:15	13.0	(c)	(c)	0.0	(c)
16:30	12.0	(c)	(c)	0.0	(c)
16:45	20.0	(c)	(c)	0.0	(c)
17:00	(c)	(c)	(c)	0.0	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**32.0**	**20.9**	**22.3**	**4.3**	**10.8**
Sampler Start Time	6:30 AM	7:00 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:45 PM	4:00 PM	4:00 PM	5:00 PM	3:45 PM

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 1 - Hydrogen Sulfide

Week of May 10 - May 14, 2004

	Hydrogen Sulfide (ppm)				
	May 10, 2004	**May 11, 2004**	**May 12, 2004**	**May 13, 2004**	**May 14, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	0.0	0.0	0.0	0.0
6:45	0.0	0.0	0.0	0.0	0.0
7:00	0.0	0.0	0.0	0.0	0.0
7:15	0.0	0.0	0.0	0.0	0.0
7:30	0.0	0.0	0.0	0.0	0.0
7:45	0.0	0.0	0.0	0.0	0.0
8:00	0.0	0.0	0.0	0.0	0.0
8:15	0.0	0.0	0.0	0.0	0.0
8:30	0.0	0.0	0.0	0.0	0.0
8:45	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0
9:15	0.0	0.0	0.0	0.0	0.0
9:30	0.0	0.0	0.0	0.0	0.0
9:45	0.0	0.0	0.0	0.0	0.0
10:00	0.0	0.0	0.0	0.0	0.0
10:15	0.0	0.0	0.0	0.0	0.0
10:30	0.0	0.0	0.0	0.0	0.0
10:45	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0
11:15	0.0	0.0	0.0	0.0	0.0
11:30	0.0	0.0	0.0	0.0	0.0
11:45	0.0	0.0	0.0	0.0	0.0
12:00	0.0	0.0	0.0	0.0	0.0
12:15	0.0	0.0	0.0	0.0	0.0
12:30	0.0	0.0	0.0	0.0	0.0
12:45	0.0	0.0	0.0	0.0	0.0
13:00	0.0	0.0	0.0	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	0.0
13:45	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0
14:15	0.0	0.0	0.0	0.0	0.0
14:30	0.0	0.0	0.0	0.0	0.0
14:45	0.0	0.0	0.0	0.0	0.0
15:00	0.0	0.0	0.0	0.0	0.0
15:15	0.0	0.0	0.0	0.0	0.0
15:30	0.0	0.0	0.0	0.0	0.0
15:45	0.0	0.0	0.0	0.0	0.0
16:00	0.0	0.0	0.0	0.0	0.0
16:15	(c)	0.0	0.0	0.0	0.0
16:30	(c)	0.0	0.0	0.0	0.0
16:45	(c)	0.0	0.0	0.0	0.0
17:00	(c)	0.0	(c)	0.0	0.0
17:15	(c)	0.0	(c)	(c)	(c)
17:30	(c)	0.0	(c)	(c)	(c)
17:45	(c)	0.0	(c)	(c)	(c)
18:00	(c)	0.0	(c)	(c)	(c)
18:15	(c)	0.0	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	6:45 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:00 PM	6:15 PM	4:45 PM	5:00 PM	5:00 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - VOC

Week of May 10 - May 14, 2004

	VOC (ppm)				
	May 10, 2004	**May 11, 2004**	**May 12, 2004**	**May 13, 2004**	**May 14, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	<1	<1	<1	<1
6:45	<1	<1	<1	<1	<1
7:00	<1	<1	<1	<1	<1
7:15	<1	<1	<1	<1	<1
7:30	<1	<1	0.80-1.2	<1	<1
7:45	<1	<1	0.80-1.2	<1	<1
8:00	<1	<1	0.80-1.2	<1	<1
8:15	<1	<1	0.80-1.2	<1	<1
8:30	<1	<1	0.80-1.2	<1	<1
8:45	<1	<1	0.80-1.2	<1	<1
9:00	<1	<1	0.80-1.2	0.50-2.5	<1
9:15	<1	<1	0.60-1.6	0.50-2.5	<1
9:30	<1	<1	0.33-2.8	<1	0.50-2.00
9:45	<1	<1	0.31-1.2	<1	<1
10:00	<1	<1	0.31-1.2	<1	<1
10:15	<1	<1	<1	0.25-1.5	<1
10:30	<1	<1	0.80-1.6	0.25-1.5	<1
10:45	<1	<1	0.80-1.6	<1	0.50-2.5
11:00	<1	<1	<1	<1	0.50-2.5
11:15	<1	<1	0.50-2.50	<1	0.25-3.0
11:30	<1	<1	0.50-2.50	<1	0.25-1.5
11:45	<1	<1	<1	<1	0.25-1.5
12:00	<1	<1	<1	<1	0.40-1.85
12:15	<1	<1	0.50-1.5	<1	0.60-2.1
12:30	<1	<1	0.50-1.8	<1	0.15-2.6
12:45	<1	<1	0.25-1.5	<1	0.15-2.6
13:00	<1	<1	0.25-1.5	<1	0.15-2.8
13:15	<1	<1	0.25-1.5	<1	0.15-2.6
13:30	<1	<1	0.25-1.5	<1	0.15-1.50
13:45	<1	<1	0.25-1.5	<1	0.15-1.5
14:00	<1	<1	0.80-2.5	<1	0.20-0.80
14:15	<1	<1	0.25-1.5	<1	0.20-2.1
14:30	<1	<1	0.03-1.6	<1	0.20-2.2
14:45	<1	<1	<1	<1	0.20-2.5
15:00	<1	<1	<1	<1	0.20-2.00
15:15	<1	<1	<1	<1	<1
15:30	<1	<1	<1	<1	0.20-2.5
15:45	<1	<1	<1	<1	0.20-3.0
16:00	<1	<1	<1	<1	0.20-2.2
16:15	(c)	<1	<1	<1	0.20-2.5
16:30	(c)	<1	<1	<1	0.15-1.5
16:45	(c)	<1	<1	<1	0.15-1.5
17:00	(c)	<1	(c)	<1	<1
17:15	(c)	<1	(c)	(c)	(c)
17:30	(c)	<1	(c)	(c)	(c)
17:45	(c)	<1	(c)	(c)	(c)
18:00	(c)	<1	(c)	(c)	(c)
18:15	(c)	<1	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**<1**	**<1**	**1.15 (e)**	**0.6 (e)**	**1.45 (e)**
Sampler Start Time	6:45 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:00 PM	6:15 PM	4:45 PM	5:00 PM	5:00 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger
0 - 1 ppm : Level D
> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C
>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods
>250 ppm: Stop all work including Level B work

Qualifiers:
(a) Monitoring was initiated after this point for the day.
(b) Work was not performed
(c) Monitoring was complete at this point for the day.
(d) Monitoring was not recorded at this point for the day.
(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for <1 ppm (0.5 ppm).

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - Particulate Matter

Week of May 10 - May 14, 2004

	Particulate Matter (ug/m^3)				
	May 10, 2004	**May 11, 2004**	**May 12, 2004**	**May 13, 2004**	**May 14, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	51.0	4.0	42.0	25.0
6:45	6.0	0.0	4.0	35.0	11.0
7:00	0.0	54.0	12.0	23.0	10.0
7:15	0.0	63.0	13.0	17.0	14.0
7:30	0.0	31.0	19.0	14.0	6.0
7:45	0.0	4.0	34.0	10.0	18.0
8:00	0.0	2.0	16.0	5.0	30.0
8:15	13.0	2.0	25.0	4.0	15.0
8:30	23.0	6.0	9.0	1.0	28.0
8:45	34.0	12.0	3.0	4.0	22.0
9:00	17.0	6.0	15.0	4.0	21.0
9:15	0.0	13.0	17.0	5.0	18.0
9:30	0.0	9.0	11.0	18.0	20.0
9:45	0.0	1.0	9.0	17.0	25.0
10:00	0.0	11.0	3.0	20.0	10.0
10:15	0.0	13.0	3.0	6.0	21.0
10:30	0.0	12.0	9.0	20.0	18.0
10:45	0.0	31.0	10.0	0.0	12.0
11:00	0.0	29.0	13.0	12.0	29.0
11:15	0.0	16.0	8.0	2.0	13.0
11:30	0.0	12.0	18.0	4.0	14.0
11:45	0.0	9.0	23.0	14.0	12.0
12:00	0.0	7.0	28.0	3.0	16.0
12:15	0.0	43.0	7.0	9.0	13.0
12:30	0.0	16.0	7.0	6.0	29.0
12:45	0.0	10.0	27.0	13.0	14.0
13:00	0.0	9.0	29.0	18.0	13.0
13:15	0.0	9.0	30.0	3.0	29.0
13:30	0.0	15.0	7.0	5.0	14.0
13:45	0.0	3.0	13.0	6.0	21.0
14:00	0.0	10.0	31.0	3.0	20.0
14:15	0.0	5.0	8.0	2.0	28.0
14:30	0.0	3.0	40.0	0.0	36.0
14:45	0.0	6.0	28.0	13.0	26.0
15:00	0.0	5.0	13.0	0.0	18.0
15:15	0.0	22.0	25.0	0.0	22.0
15:30	0.0	18.0	17.0	0.0	20.0
15:45	0.0	9.0	20.0	0.0	19.0
16:00	0.0	16.0	16.0	3.0	21.0
16:15	(c)	13.0	22.0	4.0	24.0
16:30	(c)	6.0	20.0	0.0	19.0
16:45	(c)	15.0	16.0	0.0	31.0
17:00	(c)	10.0	(c)	6.0	39.0
17:15	(c)	8.0	(c)	(c)	(c)
17:30	(c)	11.0	(c)	(c)	(c)
17:45	(c)	14.0	(c)	(c)	(c)
18:00	(c)	3.0	(c)	(c)	(c)
18:15	(c)	3.0	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**2.4**	**14.1**	**16.2**	**8.6**	**20.1**
Sampler Start Time	6:45 AM	12:00 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:00 PM	6:15 PM	4:45 PM	5:00 PM	5:00 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 1 - Hydrogen Sulfide

Week of May 17 - May 21, 2004

	Hydrogen Sulfide (ppm)				
	May 17, 2004	**May 18, 2004**	**May 19, 2004**	**May 20, 2004**	**May 21, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	0.0	0.0	0.0	0.0	0.0
6:45	0.0	0.0	0.0	0.0	0.0
7:00	0.0	0.0	0.0	0.0	0.0
7:15	0.0	0.0	0.0	0.0	0.0
7:30	0.0	0.0	0.0	0.0	0.0
7:45	0.0	0.0	0.0	0.0	0.0
8:00	0.0	0.0	0.0	0.0	0.0
8:15	0.0	0.0	0.0	0.0	0.0
8:30	0.0	0.0	0.0	0.0	0.0
8:45	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0
9:15	0.0	0.0	0.0	0.0	0.0
9:30	0.0	0.0	0.0	0.0	0.0
9:45	0.0	0.0	0.0	0.0	0.0
10:00	0.0	0.0	0.0	0.0	0.0
10:15	0.0	0.0	0.0	0.0	0.0
10:30	0.0	0.0	0.0	0.0	0.0
10:45	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0
11:15	0.0	0.0	0.0	0.0	0.0
11:30	0.0	0.0	0.0	0.0	0.0
11:45	0.0	0.0	0.0	0.0	0.0
12:00	0.0	0.0	0.0	0.0	0.0
12:15	0.0	0.0	0.0	0.0	0.0
12:30	0.0	0.0	0.0	0.0	0.0
12:45	0.0	0.0	0.0	0.0	0.0
13:00	0.0	0.0	0.0	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	0.0
13:45	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0
14:15	0.0	0.0	0.0	0.0	0.0
14:30	0.0	0.0	0.0	0.0	0.0
14:45	0.0	0.0	0.0	0.0	0.0
15:00	0.0	0.0	0.0	0.0	0.0
15:15	0.0	0.0	0.0	0.0	0.0
15:30	0.0	0.0	0.0	0.0	(c)
15:45	0.0	0.0	0.0	0.0	(c)
16:00	0.0	0.0	0.0	0.0	(c)
16:15	0.0	0.0	0.0	0.0	(c)
16:30	0.0	0.0	0.0	0.0	(c)
16:45	0.0	0.0	0.0	0.0	(c)
17:00	0.0	0.0	0.0	0.0	(c)
17:15	(c)	0.0	0.0	(c)	(c)
17:30	(c)	0.0	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	5:00 PM	5:30 PM	5:15 PM	5:00 PM	3:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - VOC

Week of May 17 - May 21, 2004

	VOC (ppm)				
	May 17, 2004	**May 18, 2004**	**May 19, 2004**	**May 20, 2004**	**May 21, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	<1	<1	<1	<1	<1
6:45	<1	<1	<1	<1	<1
7:00	<1	<1	<1	<1	<1
7:15	<1	<1	<1	<1	<1
7:30	<1	<1	<1	<1	<1
7:45	<1	<1	<1	<1	<1
8:00	<1	<1	<1	<1	<1
8:15	<1	<1	<1	<1	<1
8:30	<1	<1	<1	<1	<1
8:45	<1	<1	<1	<1	<1
9:00	<1	<1	<1	0.20-3.5	0.40-1.8
9:15	<1	<1	<1	0.40-8.0	0.10-1.5
9:30	<1	0.80-3.9	<1	0.40-4.0	0.10-1.5
9:45	<1	0.60-4.1	<1	0.40-4.0	0.10-2.0
10:00	<1	0.50-1.2	<1	0.20-5.5	0.10-2.2
10:15	<1	0.50-3.0	<1	0.20-3.0	0.10-1.5
10:30	<1	0.50-4.0	<1	0.20-3.5	0.10-1.5
10:45	<1	0.50-4.0	<1	0.20-3.5	0.10-1.5
11:00	<1	0.50-4.0	<1	0.15-2.5	0.10-2.0
11:15	0.20-2.0	0.20-5.8	<1	0.15-1.5	0.10-1.5
11:30	0.20-2.5	0.20-3.0	<1	0.15-1.5	0.10-2.0
11:45	0.20-3.0	0.20-1.5	<1	0.15-1.5	0.10-1.5
12:00	0.20-3.0	0.20-1.5	<1	0.40-3.5	0.10-2.8
12:15	0.20-3.0	0.20-1.5	<1	0.30-2.0	0.10-1.8
12:30	0.20-2.5	0.40-1.8	<1	0.20-2.5	0.10-1.50
12:45	0.40-1.7	0.40-1.8	<1	0.20-4.0	0.10-1.8
13:00	0.20-2.0	0.40-1.8	<1	0.20-4.5	0.50-1.80
13:15	0.10-1.5	0.40-4.5	<1	0.20-3.5	0.10-4.0
13:30	0.20-3.0	0.4-5.5	<1	0.45-2.8	0.10-1.8
13:45	0.50-2.8	0.4-6.0	<1	0.40-1.9	0.10-1.80
14:00	0.5-5.0	0.4-5.0	<1	0.40-1.5	0.40-2.4
14:15	0.5-4.0	0.4-3.8	<1	0.40-1.5	0.27-3.0
14:30	0.10-1.0	0.4-2.3	<1	0.40-1.5	0.40-4.0
14:45	0.10-5.0	0.2-3.0	<1	0.16-2.0	0.10-1.5
15:00	0.10-4.5	0.2-3.0	<1	0.10-1.8	0.10-1.5
15:15	0.10-1.5	0.15-1.5	<1	0.10-2.0	0.10-1.5
15:30	0.30-1.4	0.15-1.5	<1	0.10-2.0	(c)
15:45	0.20-1.5	0.15-1.5	<1	0.10-3.0	(c)
16:00	0.20-1.5	0.15-1.5	<1	0.10-3.5	(c)
16:15	0.20-1.5	0.15-2.5	<1	0.10-3.0	(c)
16:30	0.20-1.5	0.15-2.5	<1	0.10-2.5	(c)
16:45	0.20-2.0	0.15-2.5	<1	0.10-2.5	(c)
17:00	0.20-1.5	0.15-3.0	<1	0.10-2.5	(c)
17:15	(c)	0.15-1.5	<1	(c)	(c)
17:30	(c)	0.15-1.5	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**1.6(e)**	**2.3 (e)**	**<1**	**2.3**	**1.6**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	5:00 PM	5:30 PM	5:15 PM	5:00 PM	3:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for <1 ppm (0.5 ppm).

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - Particulate Matter

Week of May 17 - May 21, 2004

	Particulate Matter (ug/m^3)				
	May 17, 2004	**May 18, 2004**	**May 19, 2004**	**May 20, 2004**	**May 21, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	17.0	0.0	4.0	28.0	12.0
6:45	25.0	0.0	5.0	6.0	16.0
7:00	20.0	0.0	7.0	25.0	13.0
7:15	21.0	0.0	1.0	2.0	11.0
7:30	18.0	0.0	3.0	15.0	16.0
7:45	19.0	0.0	17.0	21.0	22.0
8:00	6.0	30.0	10.0	9.0	14.0
8:15	11.0	0.0	1.0	6.0	22.0
8:30	20.0	0.0	8.0	7.0	11.0
8:45	17.0	0.0	35.0	6.0	17.0
9:00	5.0	0.0	45.0	5.0	14.0
9:15	4.0	0.0	8.0	3.0	6.0
9:30	9.0	0.0	0.0	8.0	10.0
9:45	7.0	0.0	1.0	11.0	31.0
10:00	2.0	0.0	8.0	0.0	11.0
10:15	13.0	0.0	7.0	4.0	11.0
10:30	0.0	0.0	1.0	1.0	11.0
10:45	3.0	0.0	0.0	0.0	33.0
11:00	1.0	0.0	0.0	0.0	36.0
11:15	12.0	0.0	0.0	12.0	25.0
11:30	0.0	0.0	4.0	0.0	17.0
11:45	2.0	0.0	2.0	0.0	19.0
12:00	8.0	0.0	0.0	26.0	18.0
12:15	21.0	0.0	0.0	8.0	10.0
12:30	11.0	0.0	1.0	0.0	11.0
12:45	3.0	0.0	15.0	5.0	12.0
13:00	1.0	0.0	0.0	0.0	30.0
13:15	5.0	0.0	8.0	5.0	10.0
13:30	3.0	10.0	10.0	10.0	11.0
13:45	10.0	14.0	1.0	11.0	8.0
14:00	1.0	10.0	0.0	8.0	5.0
14:15	2.0	8.0	0.0	3.0	6.0
14:30	3.0	22.0	4.0	0.0	1.0
14:45	1.0	11.0	0.0	0.0	8.0
15:00	0.0	20.0	0.0	0.0	6.0
15:15	24.0	33.0	7.0	0.0	9.0
15:30	20.0	12.0	2.0	0.0	(c)
15:45	18.0	24.0	0.0	0.0	(c)
16:00	0.0	25.0	1.0	0.0	(c)
16:15	1.0	28.0	0.0	0.0	(c)
16:30	30.0	24.0	2.0	0.0	(c)
16:45	2.0	16.0	5.0	0.0	(c)
17:00	0.0	18.0	1.0	0.0	(c)
17:15	(c)	17.0	1.0	(c)	(c)
17:30	(c)	14.0	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**9.2**	**7.5**	**5.1**	**5.7**	**14.5**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	5:00 PM	5:30 PM	5:15 PM	5:00 PM	3:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:
(a) Monitoring was initiated after this point for the day.
(b) Work was not performed
(c) Monitoring was complete at this point for the day.
(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 1 - Hydrogen Sulfide

Week of May 24 - May 28, 2004

	Hydrogen Sulfide (ppm)				
	May 24, 2004	**May 25, 2004**	**May 26, 2004**	**May 27, 2004**	**May 28, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	0.0	0.0	0.0	0.0	0.0
6:45	0.0	0.0	0.0	0.0	0.0
7:00	0.0	0.0	0.0	0.0	0.0
7:15	0.0	0.0	0.0	0.0	0.0
7:30	0.0	0.0	0.0	0.0	0.0
7:45	0.0	0.0	0.0	0.0	0.0
8:00	0.0	0.0	0.0	0.0	0.0
8:15	0.0	0.0	0.0	0.0	0.0
8:30	0.0	0.0	0.0	0.0	0.0
8:45	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0
9:15	0.0	0.0	0.0	0.0	0.0
9:30	0.0	0.0	0.0	0.0	0.0
9:45	0.0	0.0	0.0	0.0	0.0
10:00	0.0	0.0	0.0	0.0	0.0
10:15	0.0	0.0	0.0	0.0	0.0
10:30	0.0	0.0	0.0	0.0	0.0
10:45	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0
11:15	0.0	0.0	0.0	0.0	0.0
11:30	0.0	0.0	0.0	0.0	0.0
11:45	0.0	0.0	0.0	0.0	0.0
12:00	0.0	0.0	0.0	0.0	0.0
12:15	0.0	0.0	0.0	0.0	0.0
12:30	0.0	0.0	0.0	0.0	0.0
12:45	0.0	0.0	0.0	0.0	0.0
13:00	0.0	0.0	0.0	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	0.0
13:45	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0
14:15	0.0	0.0	0.0	0.0	0.0
14:30	0.0	0.0	0.0	0.0	0.0
14:45	0.0	0.0	0.0	0.0	0.0
15:00	0.0	0.0	0.0	0.0	(c)
15:15	0.0	0.0	0.0	0.0	(c)
15:30	0.0	0.0	0.0	0.0	(c)
15:45	0.0	0.0	0.0	0.0	(c)
16:00	0.0	0.0	0.0	0.0	(c)
16:15	0.0	0.0	0.0	0.0	(c)
16:30	0.0	0.0	0.0	0.0	(c)
16:45	0.0	(c)	0.0	(c)	(c)
17:00	(c)	(c)	0.0	(c)	(c)
17:15	(c)	(c)	0.0	(c)	(c)
17:30	(c)	(c)	0.0	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:45 PM	4:30 PM	5:30 PM	4:30 PM	2:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - VOC

Week of May 24 - May 28, 2004

	VOC (ppm)				
	May 24, 2004	**May 25, 2004**	**May 26, 2004**	**May 27, 2004**	**May 28, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	<1	<1	<1	<1	<1
6:45	<1	<1	<1	<1	<1
7:00	<1	<1	<1	<1	<1
7:15	<1	<1	<1	<1	<1
7:30	<1	<1	<1	<1	<1
7:45	<1	<1	<1	<1	<1
8:00	<1	<1	<1	<1	<1
8:15	<1	<1	<1	<1	<1
8:30	<1	<1	<1	<1	<1
8:45	<1	<1	<1	<1	<1
9:00	<1	<1	<1	<1	<1
9:15	<1	<1	<1	<1	<1
9:30	<1	<1	<1	<1	<1
9:45	<1	<1	<1	<1	<1
10:00	<1	<1	<1	<1	<1
10:15	<1	<1	<1	<1	<1
10:30	<1	<1	<1	<1	<1
10:45	<1	<1	<1	<1	<1
11:00	<1	<1	<1	<1	<1
11:15	<1	<1	<1	<1	<1
11:30	<1	<1	<1	<1	<1
11:45	<1	<1	<1	<1	<1
12:00	<1	<1	<1	<1	<1
12:15	<1	<1	<1	<1	<1
12:30	<1	<1	<1	<1	<1
12:45	<1	<1	<1	0.2-1.5	<1
13:00	<1	<1	<1	0.2-1.8	<1
13:15	<1	<1	<1	<1	<1
13:30	<1	<1	<1	<1	<1
13:45	<1	<1	<1	0.2-1.8	<1
14:00	<1	<1	<1	0.2-1.8	<1
14:15	<1	<1	<1	0.2-2.0	<1
14:30	<1	<1	<1	0.2-2.0	<1
14:45	<1	<1	<1	0.2-3.0	<1
15:00	<1	<1	<1	0.1-1.5	(c)
15:15	<1	<1	<1	<1	(c)
15:30	<1	<1	<1	<1	(c)
15:45	<1	<1	<1	<1	(c)
16:00	<1	<1	<1	<1	(c)
16:15	<1	<1	<1	<1	(c)
16:30	<1	<1	<1	<1	(c)
16:45	<1	(c)	<1	(c)	(c)
17:00	(c)	(c)	<1	(c)	(c)
17:15	(c)	(c)	<1	(c)	(c)
17:30	(c)	(c)	<1	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**<1**	**<1**	**<1**	**0.8**	**<1**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:45 PM	4:30 PM	5:30 PM	4:30 PM	2:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for <1 ppm (0.5 ppm).

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - Particulate Matter

Week of May 24 - May 28, 2004

	Particulate Matter (ug/m^3)				
	May 24, 2004	**May 25, 2004**	**May 26, 2004**	**May 27, 2004**	**May 28, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	16.0	4.0	2.0	3.0	20.0
6:45	0.0	5.0	2.0	27.0	29.0
7:00	6.0	10.0	3.0	24.0	24.0
7:15	2.0	13.0	0.0	12.0	21.0
7:30	6.0	5.0	0.0	11.0	31.0
7:45	10.0	16.0	0.0	3.0	21.0
8:00	9.0	5.0	20.0	6.0	30.0
8:15	0.0	5.0	2.0	2.0	34.0
8:30	25.0	17.0	4.0	10.0	36.0
8:45	0.0	3.0	7.0	7.0	29.0
9:00	10.0	11.0	1.0	9.0	31.0
9:15	0.0	6.0	0.0	6.0	41.0
9:30	0.0	5.0	1.0	5.0	36.0
9:45	0.0	10.0	15.0	6.0	13.0
10:00	0.0	10.0	8.0	4.0	8.0
10:15	0.0	10.0	8.0	10.0	11.0
10:30	0.0	4.0	2.0	12.0	13.0
10:45	25.0	1.0	36.0	10.0	12.0
11:00	12.0	9.0	40.0	14.0	5.0
11:15	6.0	3.0	20.0	7.0	4.0
11:30	4.0	0.0	4.0	3.0	16.0
11:45	1.0	4.0	8.0	6.0	21.0
12:00	5.0	5.0	19.0	7.0	8.0
12:15	10.0	4.0	9.0	32.0	4.0
12:30	8.0	2.0	5.0	8.0	16.0
12:45	6.0	2.0	13.0	9.0	15.0
13:00	17.0	0.0	1.0	24.0	11.0
13:15	0.0	2.0	4.0	8.0	13.0
13:30	2.0	7.0	3.0	2.0	15.0
13:45	0.0	1.0	4.0	6.0	12.0
14:00	6.0	11.0	4.0	10.0	10.0
14:15	4.0	20.0	11.0	8.0	19.0
14:30	16.0	0.0	6.0	0.0	7.0
14:45	9.0	0.0	10.0	6.0	10.0
15:00	5.0	2.0	16.0	4.0	(c)
15:15	6.0	0.0	12.0	8.0	(c)
15:30	4.0	3.0	38.0	4.0	(c)
15:45	8.0	10.0	3.0	9.0	(c)
16:00	0.0	5.0	11.0	4.0	(c)
16:15	0.0	4.0	7.0	3.0	(c)
16:30	4.0	3.0	10.0	4.0	(c)
16:45	0.0	(c)	7.0	(c)	(c)
17:00	(c)	(c)	0.0	(c)	(c)
17:15	(c)	(c)	3.0	(c)	(c)
17:30	(c)	(c)	4.0	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**5.8**	**5.8**	**8.5**	**8.6**	**18.4**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:45 PM	4:30 PM	5:30 PM	4:30 PM	2:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:
(a) Monitoring was initiated after this point for the day.
(b) Work was not performed
(c) Monitoring was complete at this point for the day.
(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 1 - Hydrogen Sulfide

Week of May 31 - June 4, 2004

	Hydrogen Sulfide (ppm)				
	May 31, 2004	**June 1, 2004**	**June 2, 2004**	**June 3, 2004**	**June 4, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(b)	(a)	(a)	(a)	(a)
6:15	(b)	(a)	(a)	(a)	(a)
6:30	(b)	0.0	0.0	0.0	0.0
6:45	(b)	0.0	0.0	0.0	0.0
7:00	(b)	0.0	0.0	0.0	0.0
7:15	(b)	0.0	0.0	0.0	0.0
7:30	(b)	0.0	0.0	0.0	0.0
7:45	(b)	0.0	0.0	0.0	0.0
8:00	(b)	0.0	0.0	0.0	0.0
8:15	(b)	0.0	0.0	0.0	0.0
8:30	(b)	0.0	0.0	0.0	0.0
8:45	(b)	0.0	0.0	0.0	0.0
9:00	(b)	0.0	0.0	0.0	0.0
9:15	(b)	0.0	0.0	0.0	0.0
9:30	(b)	0.0	0.0	0.0	0.0
9:45	(b)	0.0	0.0	0.0	0.0
10:00	(b)	0.0	0.0	0.0	0.0
10:15	(b)	0.0	0.0	0.0	0.0
10:30	(b)	0.0	0.0	0.0	0.0
10:45	(b)	0.0	0.0	0.0	0.0
11:00	(b)	0.0	0.0	0.0	0.0
11:15	(b)	0.0	0.0	0.0	0.0
11:30	(b)	0.0	0.0	0.0	0.0
11:45	(b)	0.0	0.0	0.0	0.0
12:00	(b)	0.0	0.0	0.0	0.0
12:15	(b)	0.0	0.0	0.0	0.0
12:30	(b)	0.0	0.0	0.0	0.0
12:45	(b)	0.0	0.0	0.0	0.0
13:00	(b)	0.0	0.0	0.0	0.0
13:15	(b)	0.0	0.0	0.0	0.0
13:30	(b)	0.0	0.0	0.0	0.0
13:45	(b)	0.0	0.0	0.0	0.0
14:00	(b)	0.0	0.0	0.0	0.0
14:15	(b)	0.0	0.0	0.0	0.0
14:30	(b)	0.0	0.0	0.0	0.0
14:45	(b)	0.0	0.0	0.0	(c)
15:00	(b)	0.0	0.0	0.0	(c)
15:15	(b)	0.0	0.0	0.0	(c)
15:30	(b)	0.0	0.0	0.0	(c)
15:45	(b)	0.0	0.0	0.0	(c)
16:00	(b)	0.0	0.0	0.0	(c)
16:15	(b)	(c)	0.0	0.0	(c)
16:30	(b)	(c)	0.0	0.0	(c)
16:45	(b)	(c)	0.0	(c)	(c)
17:00	(b)	(c)	(c)	(c)	(c)
17:15	(b)	(c)	(c)	(c)	(c)
17:30	(b)	(c)	(c)	(c)	(c)
17:45	(b)	(c)	(c)	(c)	(c)
18:00	(b)	(c)	(c)	(c)	(c)
18:15	(b)	(c)	(c)	(c)	(c)
18:30	(b)	(c)	(c)	(c)	(c)
Daily Average	**-**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	-	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	-	4:00 PM	4:45 PM	4:30 PM	4:30 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - VOC

Week of May 31 - June 4, 2004

	VOC (ppm)				
	May 31, 2004	**June 1, 2004**	**June 2, 2004**	**June 3, 2004**	**June 4, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(b)	(a)	(a)	(a)	(a)
6:15	(b)	(a)	(a)	(a)	(a)
6:30	(b)	<1	<1	<1	<1
6:45	(b)	<1	<1	<1	<1
7:00	(b)	<1	<1	<1	<1
7:15	(b)	<1	<1	<1	<1
7:30	(b)	<1	<1	<1	<1
7:45	(b)	<1	<1	<1	<1
8:00	(b)	<1	<1	<1	<1
8:15	(b)	<1	<1	<1	<1
8:30	(b)	<1	<1	<1	<1
8:45	(b)	<1	<1	<1	<1
9:00	(b)	<1	<1	<1	<1
9:15	(b)	<1	<1	<1	<1
9:30	(b)	<1	<1	<1	<1
9:45	(b)	<1	<1	<1	<1
10:00	(b)	<1	<1	<1	0.47-1.60
10:15	(b)	<1	<1	<1	0.49-1.69
10:30	(b)	<1	<1	0.2-2.0	0.46-2.69
10:45	(b)	<1	<1	0.2-2.5	<1
11:00	(b)	<1	<1	0.2-2.0	<1
11:15	(b)	<1	<1	0.2-3.0	<1
11:30	(b)	<1	<1	0.2-3.0	<1
11:45	(b)	<1	<1	0.2-3.0	<1
12:00	(b)	<1	<1	0.2-3.0	<1
12:15	(b)	<1	<1	0.2-3.5	<1
12:30	(b)	<1	<1	0.2-2.0	0.48-2.90
12:45	(b)	<1	<1	0.2-1.5	0.57-3.0
13:00	(b)	<1	<1	0.2-1.03	0.5-1.95
13:15	(b)	<1	<1	0.2-1.07	0.5-2.0
13:30	(b)	<1	<1	0.2-1.5	0.5-4.5
13:45	(b)	<1	<1	0.2-1.5	0.5-4.0
14:00	(b)	<1	<1	0.2-1.5	0.5-4.5
14:15	(b)	<1	<1	0.2-1.5	0.4-3.5
14:30	(b)	<1	<1	0.2-1.5	0.4-3.5
14:45	(b)	<1	<1	0.2-1.5	0.4-3.0
15:00	(b)	<1	<1	<1	0.4-2.5
15:15	(b)	<1	<1	<1	0.2-1.5
15:30	(b)	<1	<1	<1	0.2-1.8
15:45	(b)	<1	<1	<1	0.2-1.5
16:00	(b)	<1	<1	<1	0.2-1.5
16:15	(b)	(c)	<1	<1	0.2-2.0
16:30	(b)	(c)	<1	<1	0.2-2.0
16:45	(b)	(c)	<1	(c)	(c)
17:00	(b)	(c)	(c)	(c)	(c)
17:15	(b)	(c)	(c)	(c)	(c)
17:30	(b)	(c)	(c)	(c)	(c)
17:45	(b)	(c)	(c)	(c)	(c)
18:00	(b)	(c)	(c)	(c)	(c)
18:15	(b)	(c)	(c)	(c)	(c)
18:30	(b)	(c)	(c)	(c)	(c)
Daily Average	**-**	**<1**	**<1**	**1.2 (e)**	**1.5 (e)**
Sampler Start Time	-	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	-	4:00 PM	4:45 PM	4:30 PM	4:30 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for <1 ppm (0.5 ppm).

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - Particulate Matter

Week of May 31 - June 4, 2004

	Particulate Matter (ug/m^3)				
	May 31, 2004	**June 1, 2004**	**June 2, 2004**	**June 3, 2004**	**June 4, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(b)	(a)	(a)	(a)	(a)
6:15	(b)	(a)	(a)	(a)	(a)
6:30	(b)	2.0	6.0	28.0	5.0
6:45	(b)	9.0	9.0	36.0	20.0
7:00	(b)	14.0	12.0	24.0	26.0
7:15	(b)	24.0	8.0	0.0	24.0
7:30	(b)	0.0	12.0	36.0	22.0
7:45	(b)	0.0	24.0	21.0	20.0
8:00	(b)	0.0	36.0	6.0	18.0
8:15	(b)	0.0	26.0	0.0	19.0
8:30	(b)	0.0	37.0	4.0	0.0
8:45	(b)	0.0	42.0	0.0	0.0
9:00	(b)	6.0	6.0	14.0	0.0
9:15	(b)	15.0	3.0	0.0	0.0
9:30	(b)	18.0	1.0	3.0	0.0
9:45	(b)	27.0	1.0	0.0	0.0
10:00	(b)	9.0	1.0	0.0	0.0
10:15	(b)	4.0	1.0	0.0	0.0
10:30	(b)	4.0	3.0	11.0	0.0
10:45	(b)	8.0	4.0	5.0	0.0
11:00	(b)	12.0	7.0	15.0	0.0
11:15	(b)	4.0	3.0	4.0	0.0
11:30	(b)	0.0	6.0	0.0	0.0
11:45	(b)	0.0	12.0	5.0	6.0
12:00	(b)	0.0	15.0	0.0	4.0
12:15	(b)	0.0	7.0	4.0	1.0
12:30	(b)	10.0	5.0	0.0	0.0
12:45	(b)	8.0	4.0	6.0	11.0
13:00	(b)	0.0	18.0	14.0	4.0
13:15	(b)	0.0	6.0	0.0	19.0
13:30	(b)	0.0	17.0	0.0	2.0
13:45	(b)	0.0	5.0	0.0	11.0
14:00	(b)	0.0	8.0	0.0	2.0
14:15	(b)	7.0	18.0	0.0	12.0
14:30	(b)	0.0	21.0	32.0	3.0
14:45	(b)	0.0	16.0	0.0	4.0
15:00	(b)	0.0	39.0	0.0	1.0
15:15	(b)	2.0	19.0	0.0	4.0
15:30	(b)	0.0	6.0	0.0	12.0
15:45	(b)	10.0	21.0	0.0	1.0
16:00	(b)	9.0	20.0	10.0	0.0
16:15	(b)	(c)	11.0	0.0	5.0
16:30	(b)	(c)	6.0	0.0	4.0
16:45	(b)	(c)	8.0	(c)	(c)
17:00	(b)	(c)	(c)	(c)	(c)
17:15	(b)	(c)	(c)	(c)	(c)
17:30	(b)	(c)	(c)	(c)	(c)
17:45	(b)	(c)	(c)	(c)	(c)
18:00	(b)	(c)	(c)	(c)	(c)
18:15	(b)	(c)	(c)	(c)	(c)
18:30	(b)	(c)	(c)	(c)	(c)
Daily Average	**-**	**5.2**	**12.6**	**6.8**	**6.3**
Sampler Start Time	-	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	-	4:00 PM	4:45 PM	4:30 PM	4:30 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 1 - Hydrogen Sulfide

Week of June 7 - June 11, 2004

	Hydrogen Sulfide (ppm)				
	June 7, 2004	**June 8, 2004**	**June 9, 2004**	**June 10, 2004**	**June 11, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	0.0	0.0	0.0	0.0	0.0
6:45	0.0	0.0	0.0	0.0	0.0
7:00	0.0	0.0	0.0	0.0	0.0
7:15	0.0	0.0	0.0	0.0	0.0
7:30	0.0	0.0	0.0	0.0	0.0
7:45	0.0	0.0	0.0	0.0	0.0
8:00	0.0	0.0	0.0	0.0	0.0
8:15	0.0	0.0	0.0	0.0	0.0
8:30	0.0	0.0	0.0	0.0	0.0
8:45	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0
9:15	0.0	0.0	0.0	0.0	0.0
9:30	0.0	0.0	0.0	0.0	0.0
9:45	0.0	0.0	0.0	0.0	0.0
10:00	0.0	0.0	0.0	0.0	0.0
10:15	0.0	0.0	0.0	0.0	0.0
10:30	0.0	0.0	0.0	0.0	0.0
10:45	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0
11:15	0.0	0.0	0.0	0.0	0.0
11:30	0.0	0.0	0.0	0.0	0.0
11:45	0.0	0.0	0.0	0.0	0.0
12:00	0.0	0.0	0.0	0.0	0.0
12:15	0.0	0.0	0.0	0.0	0.0
12:30	0.0	0.0	0.0	0.0	0.0
12:45	0.0	0.0	0.0	0.0	0.0
13:00	0.0	0.0	0.0	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	0.0
13:45	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0
14:15	0.0	0.0	0.0	0.0	0.0
14:30	0.0	0.0	0.0	0.0	0.0
14:45	0.0	0.0	0.0	0.0	0.0
15:00	0.0	0.0	0.0	0.0	0.0
15:15	0.0	0.0	0.0	0.0	0.0
15:30	0.0	0.0	0.0	0.0	(c)
15:45	0.0	0.0	0.0	0.0	(c)
16:00	0.0	0.0	0.0	0.0	(c)
16:15	0.0	0.0	0.0	0.0	(c)
16:30	0.0	0.0	0.0	0.0	(c)
16:45	(c)	0.0	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:30 PM	4:45 PM	4:30 PM	4:30 PM	3:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - VOC

Week of June 7 - June 11, 2004

	VOC (ppm)				
	June 7, 2004	**June 8, 2004**	**June 9, 2004**	**June 10, 2004**	**June 11, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	<1	<1	<1	<1	<1
6:45	<1	<1	<1	<1	<1
7:00	<1	<1	<1	<1	<1
7:15	<1	<1	<1	<1	<1
7:30	<1	<1	<1	<1	<1
7:45	<1	<1	<1	<1	<1
8:00	<1	<1	<1	<1	<1
8:15	<1	<1	0.2-2.5	<1	<1
8:30	0.5-2.5	<1	0.2-3.0	<1	<1
8:45	0.5-3.0	0.5-2.5	0.2-3.5	<1	<1
9:00	0.5-4.5	0.5-3.0	0.2-4.0	<1	<1
9:15	0.5-4.0	0.5-4.0	0.2-3.5	<1	0.30-1.8
9:30	0.5-2.5	0.5-3.5	0.2-3.5	<1	0.30-1.8
9:45	0.5-2.0	0.5-2.0	0.5-3.85	<1	0.40-2.0
10:00	0.5-2.5	<1	0.22-2.25	<1	<1
10:15	0.5-2.25	<1	0.2-2.0	<1	<1
10:30	0.42-2.0	0.5-2.25	0.22-2.30	<1	0.39-2.29
10:45	0.51-2.5	0.5-2.0	0.4-3.3	<1	0.40-2.5
11:00	0.56-3.0	0.4-1.8	0.3-4.0	<1	0.60-3.1
11:15	0.5-2.04	0.6-2.1	0.5-3.5	<1	<1
11:30	0.58-2.5	0.6-2.8	0.4-4.8	<1	0.80-1.08
11:45	0.82-1.8	0.6-3.0	0.6-1.1	<1	1.0-2.8
12:00	0.5-2.4	0.4-3.0	0.3-2.4	<1	1.0-3.1
12:15	0.5-2.4	0.3-1.6	0.35-2.0	<1	0.60-1.4
12:30	0.5-2.0	0.4-1.8	0.4-2.1	<1	0.40-1.2
12:45	0.5-3.5	0.3-2.0	0.3-1.9	<1	0.20-1.8
13:00	0.5-4.0	0.5-3.0	0.3-2.9	<1	0.40-2.2
13:15	0.5-2.0	0.4-2.0	0.3-1.2	<1	0.40-1.8
13:30	0.5-2.5	0.4-2.0	0.3-1.2	<1	0.60-1.7
13:45	0.5-3.0	0.4-1.5	0.2-1.4	<1	0.40-1.4
14:00	0.5-4.0	0.4-3.0	0.7-2.8	<1	0.40-1.4
14:15	0.5-4.0	0.4-3.5	0.7-2.6	<1	0.60-1.3
14:30	0.5-5.0	0.4-1.5	0.7-1.4	<1	<1
14:45	0.5-5.5	0.4-1.8	0.7-1.8	<1	<1
15:00	0.5-6.0	0.2-1.5	0.7-2.9	<1	0.40-1.4
15:15	0.5-3.5	0.2-1.8	0.8-1.6	<1	<1
15:30	<1	<1	0.6-2.8	<1	(c)
15:45	0.5-1.5	<1	0.4-1.6	<1	(c)
16:00	0.5-2.8	<1	0.4-2.4	<1	(c)
16:15	0.2-3.1	(b)	0.6-1.7	<1	(c)
16:30	0.6-1.8	0.8-3.0	<1	0.8-1.4	(c)
16:45	(c)	0.4-3.8	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**2.45 (e)**	**1.8 (e)**	**2.1 (e)**	**0.5 (e)**	**1.2 (e)**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:30 PM	4:45 PM	4:30 PM	4:30 PM	3:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for <1 ppm (0.5 ppm).

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - Particulate Matter

Week of June 7 - June 11, 2004

	Particulate Matter (ug/m^3)				
	June 7, 2004	**June 8, 2004**	**June 9, 2004**	**June 10, 2004**	**June 11, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	0.0	0.0	18.0	0.0	21.0
6:45	21.0	30.0	26.0	0.0	15.0
7:00	24.0	0.0	15.0	0.0	16.0
7:15	0.0	6.0	13.0	0.0	24.0
7:30	19.0	0.0	29.0	0.0	36.0
7:45	29.0	4.0	10.0	0.0	23.0
8:00	36.0	0.0	20.0	0.0	31.0
8:15	26.0	0.0	42.0	0.0	19.0
8:30	38.0	0.0	36.0	0.0	14.0
8:45	42.0	0.0	31.0	0.0	2.0
9:00	36.0	0.0	40.0	0.0	0.0
9:15	0.0	0.0	17.0	0.0	16.0
9:30	5.0	0.0	26.0	0.0	1.0
9:45	6.0	1.0	45.0	0.0	1.0
10:00	7.0	0.0	16.0	0.0	7.0
10:15	12.0	0.0	10.0	5.0	14.0
10:30	5.0	6.0	33.0	3.0	3.0
10:45	10.0	9.0	23.0	6.0	0.0
11:00	9.0	1.0	30.0	2.0	0.0
11:15	16.0	11.0	17.0	4.0	16.0
11:30	11.0	3.0	5.0	0.0	12.0
11:45	13.0	12.0	25.0	2.0	3.0
12:00	14.0	9.0	10.0	2.0	14.0
12:15	13.0	32.0	6.0	5.0	1.0
12:30	11.0	8.0	13.0	6.0	1.0
12:45	16.0	10.0	7.0	1.0	0.0
13:00	10.0	2.0	5.0	3.0	1.0
13:15	13.0	21.0	0.0	4.0	4.0
13:30	15.0	34.0	6.0	13.0	15.0
13:45	40.0	1.0	4.0	2.0	14.0
14:00	24.0	0.0	32.0	4.0	12.0
14:15	36.0	10.0	18.0	9.0	0.0
14:30	38.0	8.0	42.0	27.0	13.0
14:45	27.0	17.0	14.0	9.0	13.0
15:00	29.0	21.0	42.0	4.0	8.0
15:15	31.0	5.0	40.0	12.0	0.0
15:30	28.0	2.0	31.0	2.0	(c)
15:45	31.0	6.0	24.0	3.0	(c)
16:00	21.0	18.0	18.0	4.0	(c)
16:15	39.0	8.0	36.0	2.0	(c)
16:30	41.0	35.0	14.0	6.0	(c)
16:45	(c)	41.0	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**20.5**	**8.8**	**21.7**	**3.4**	**10.3**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:30 PM	4:45 PM	4:30 PM	4:30 PM	3:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:
(a) Monitoring was initiated after this point for the day.
(b) Work was not performed
(c) Monitoring was complete at this point for the day.
(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 5 - Hydrogen Sulfide

Week of June 14 - June 18, 2004

	Hydrogen Sulfide (ppm)				
	June 14, 2004	**June 15, 2004**	**June 16, 2004**	**June 17, 2004**	**June 18, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(b)	(b)	(b)	(a)	(a)
6:15	(b)	(b)	(b)	(a)	(a)
6:30	(b)	(b)	(b)	0.0	0.0
6:45	(b)	(b)	(b)	0.0	0.0
7:00	(b)	(b)	(b)	0.0	0.0
7:15	(b)	(b)	(b)	0.0	0.0
7:30	(b)	(b)	(b)	0.0	0.0
7:45	(b)	(b)	(b)	0.0	0.0
8:00	(b)	(b)	(b)	0.0	0.0
8:15	(b)	(b)	(b)	0.0	0.0
8:30	(b)	(b)	(b)	0.0	0.0
8:45	(b)	(b)	(b)	0.0	0.0
9:00	(b)	(b)	(b)	0.0	0.0
9:15	(b)	(b)	0.0	0.0	0.0
9:30	(b)	(b)	0.0	0.0	0.0
9:45	(b)	(b)	0.0	0.0	0.0
10:00	(b)	(b)	0.0	0.0	0.0
10:15	(b)	(b)	0.0	0.0	0.0
10:30	(b)	(b)	0.0	0.0	0.0
10:45	(b)	(b)	0.0	0.0	0.0
11:00	(b)	(b)	0.0	0.0	0.0
11:15	(b)	(b)	0.0	0.0	0.0
11:30	(b)	(b)	0.0	0.0	0.0
11:45	(b)	(b)	0.0	0.0	0.0
12:00	(b)	(b)	0.0	0.0	0.0
12:15	(b)	(b)	0.0	0.0	0.0
12:30	(b)	(b)	0.0	0.0	0.0
12:45	(b)	(b)	0.0	0.0	0.0
13:00	(b)	(b)	0.0	0.0	0.0
13:15	(b)	(b)	0.0	0.0	0.0
13:30	(b)	(b)	0.0	0.0	0.0
13:45	(b)	(b)	0.0	0.0	0.0
14:00	(b)	(b)	0.0	0.0	0.0
14:15	(b)	(b)	0.0	0.0	0.0
14:30	(b)	(b)	0.0	0.0	0.0
14:45	(b)	(b)	0.0	0.0	0.0
15:00	(b)	(b)	0.0	0.0	0.0
15:15	(b)	(b)	0.0	0.0	0.0
15:30	(b)	(b)	(b)	0.0	0.0
15:45	(b)	(b)	(b)	0.0	0.0
16:00	(b)	(b)	(b)	0.0	0.0
16:15	(b)	(b)	(b)	0.0	0.0
16:30	(b)	(b)	(b)	0.0	(c)
16:45	(b)	(b)	(b)	0.0	(c)
17:00	(b)	(b)	(b)	(c)	(c)
17:15	(b)	(b)	(b)	(c)	(c)
17:30	(b)	(b)	(b)	(c)	(c)
17:45	(b)	(b)	(b)	(c)	(c)
18:00	(b)	(b)	(b)	(c)	(c)
18:15	(b)	(b)	(b)	(c)	(c)
18:30	(b)	(b)	(b)	(c)	(c)
Daily Average	**-**	**-**	**0.0**	**0.0**	**0.0**
Sampler Start Time	-	-	9:15 AM	6:30 AM	6:30 AM
Sampler End Time	-	-	3:15 PM	4:45 PM	4:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 5 - VOC

Week of June 14 - June 18, 2004

	VOC (ppm)				
	June 14, 2004	**June 15, 2004**	**June 16, 2004**	**June 17, 2004**	**June 18, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(b)	(b)	(b)	(a)	(a)
6:15	(b)	(b)	(b)	(a)	(a)
6:30	(b)	(b)	(b)	<1	<1
6:45	(b)	(b)	(b)	<1	<1
7:00	(b)	(b)	(b)	<1	<1
7:15	(b)	(b)	(b)	<1	<1
7:30	(b)	(b)	(b)	<1	<1
7:45	(b)	(b)	(b)	<1	<1
8:00	(b)	(b)	(b)	<1	<1
8:15	(b)	(b)	(b)	<1	<1
8:30	(b)	(b)	(b)	<1	<1
8:45	(b)	(b)	(b)	<1	<1
9:00	(b)	(b)	(b)	<1	<1
9:15	(b)	(b)	<1	<1	<1
9:30	(b)	(b)	<1	<1	<1
9:45	(b)	(b)	<1	<1	<1
10:00	(b)	(b)	<1	<1	<1
10:15	(b)	(b)	<1	<1	<1
10:30	(b)	(b)	<1	<1	<1
10:45	(b)	(b)	<1	<1	<1
11:00	(b)	(b)	<1	<1	<1
11:15	(b)	(b)	<1	<1	<1
11:30	(b)	(b)	<1	<1	<1
11:45	(b)	(b)	<1	<1	<1
12:00	(b)	(b)	<1	<1	<1
12:15	(b)	(b)	<1	0.8-1.2	<1
12:30	(b)	(b)	<1	0.6-1.1	<1
12:45	(b)	(b)	<1	.06-1.2	<1
13:00	(b)	(b)	<1	<1	<1
13:15	(b)	(b)	<1	<1	<1
13:30	(b)	(b)	<1	<1	<1
13:45	(b)	(b)	<1	<1	<1
14:00	(b)	(b)	0.20-1.2	<1	<1
14:15	(b)	(b)	0.2-1.8	<1	<1
14:30	(b)	(b)	<1	<1	<1
14:45	(b)	(b)	<1	<1	<1
15:00	(b)	(b)	<1	<1	<1
15:15	(b)	(b)	<1	<1	<1
15:30	(b)	(b)	(b)	<1	<1
15:45	(b)	(b)	(b)	<1	<1
16:00	(b)	(b)	(b)	<1	<1
16:15	(b)	(b)	(b)	<1	<1
16:30	(b)	(b)	(b)	<1	(c)
16:45	(b)	(b)	(b)	<1	(c)
17:00	(b)	(b)	(b)	(c)	(c)
17:15	(b)	(b)	(b)	(c)	(c)
17:30	(b)	(b)	(b)	(c)	(c)
17:45	(b)	(b)	(b)	(c)	(c)
18:00	(b)	(b)	(b)	(c)	(c)
18:15	(b)	(b)	(b)	(c)	(c)
18:30	(b)	(b)	(b)	(c)	(c)
Daily Average	**-**	**-**	**0.58 (e)**	**0.55 (e)**	**<1**
Sampler Start Time	-	-	9:15 AM	6:30 AM	6:30 AM
Sampler End Time	-	-	3:15 PM	4:45 PM	4:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for <1 ppm (0.5 ppm).

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 5 - Particulate Matter

Week of June 14 - June 18, 2004

	Particulate Matter (ug/m^3)				
	June 14, 2004	**June 15, 2004**	**June 16, 2004**	**June 17, 2004**	**June 18, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(b)	(b)	(b)	(a)	(a)
6:15	(b)	(b)	(b)	(a)	(a)
6:30	(b)	(b)	(b)	0.0	5.0
6:45	(b)	(b)	(b)	0.0	13.0
7:00	(b)	(b)	(b)	10.0	7.0
7:15	(b)	(b)	(b)	8.0	16.0
7:30	(b)	(b)	(b)	22.0	5.0
7:45	(b)	(b)	(b)	0.0	4.0
8:00	(b)	(b)	(b)	10.0	22.0
8:15	(b)	(b)	(b)	12.0	19.0
8:30	(b)	(b)	(b)	16.0	11.0
8:45	(b)	(b)	(b)	19.0	13.0
9:00	(b)	(b)	(b)	10.0	13.0
9:15	(b)	(b)	8.0	6.0	7.0
9:30	(b)	(b)	8.0	0.0	4.0
9:45	(b)	(b)	9.0	0.0	3.0
10:00	(b)	(b)	11.0	0.0	9.0
10:15	(b)	(b)	10.0	4.0	17.0
10:30	(b)	(b)	6.0	0.0	14.0
10:45	(b)	(b)	12.0	0.0	9.0
11:00	(b)	(b)	16.0	0.0	16.0
11:15	(b)	(b)	11.0	6.0	36.0
11:30	(b)	(b)	14.0	22.0	28.0
11:45	(b)	(b)	11.0	18.0	38.0
12:00	(b)	(b)	16.0	17.0	42.0
12:15	(b)	(b)	15.0	4.0	16.0
12:30	(b)	(b)	14.0	0.0	14.0
12:45	(b)	(b)	14.0	0.0	35.0
13:00	(b)	(b)	8.0	0.0	9.0
13:15	(b)	(b)	34.0	0.0	12.0
13:30	(b)	(b)	26.0	0.0	12.0
13:45	(b)	(b)	28.0	0.0	12.0
14:00	(b)	(b)	14.0	0.0	21.0
14:15	(b)	(b)	24.0	0.0	13.0
14:30	(b)	(b)	37.0	0.0	17.0
14:45	(b)	(b)	12.0	0.0	9.0
15:00	(b)	(b)	8.0	0.0	12.0
15:15	(b)	(b)	16.0	0.0	12.0
15:30	(b)	(b)	(b)	4.0	24.0
15:45	(b)	(b)	(b)	0.0	30.0
16:00	(b)	(b)	(b)	0.0	19.0
16:15	(b)	(b)	(b)	0.0	17.0
16:30	(b)	(b)	(b)	0.0	(c)
16:45	(b)	(b)	(b)	0.0	(c)
17:00	(b)	(b)	(b)	(c)	(c)
17:15	(b)	(b)	(b)	(c)	(c)
17:30	(b)	(b)	(b)	(c)	(c)
17:45	(b)	(b)	(b)	(c)	(c)
18:00	(b)	(b)	(b)	(c)	(c)
18:15	(b)	(b)	(b)	(c)	(c)
18:30	(b)	(b)	(b)	(c)	(c)
Daily Average	**-**	**-**	**15.3**	**4.5**	**15.9**
Sampler Start Time	-	-	9:15 AM	6:30 AM	6:30 AM
Sampler End Time	-	-	3:15 PM	4:45 PM	4:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 1 - Hydrogen Sulfide

Week of June 14 - June 18, 2004

	Hydrogen Sulfide (ppm)				
	June 14, 2004	**June 15, 2004**	**June 16, 2004**	**June 17, 2004**	**June 18, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	0.0	0.0	0.0	0.0	0.0
6:45	0.0	0.0	0.0	0.0	0.0
7:00	0.0	0.0	0.0	0.0	0.0
7:15	0.0	0.0	0.0	0.0	0.0
7:30	0.0	0.0	0.0	0.0	0.0
7:45	0.0	0.0	0.0	0.0	0.0
8:00	0.0	0.0	0.0	0.0	0.0
8:15	0.0	0.0	0.0	0.0	0.0
8:30	0.0	0.0	0.0	0.0	0.0
8:45	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0
9:15	0.0	0.0	0.0	0.0	0.0
9:30	0.0	0.0	0.0	0.0	0.0
9:45	0.0	0.0	0.0	0.0	0.0
10:00	0.0	0.0	0.0	0.0	0.0
10:15	0.0	0.0	0.0	0.0	0.0
10:30	0.0	0.0	0.0	0.0	(c)
10:45	0.0	0.0	0.0	0.0	(c)
11:00	0.0	0.0	0.0	0.0	(c)
11:15	0.0	0.0	0.0	0.0	(c)
11:30	0.0	0.0	0.0	0.0	(c)
11:45	0.0	0.0	0.0	0.0	(c)
12:00	0.0	0.0	0.0	0.0	(c)
12:15	0.0	0.0	(b)	0.0	(c)
12:30	0.0	0.0	(b)	0.0	(c)
12:45	0.0	0.0	0.0	0.0	(c)
13:00	0.0	0.0	0.0	0.0	(c)
13:15	0.0	0.0	0.0	0.0	(c)
13:30	0.0	0.0	0.0	0.0	(c)
13:45	0.0	0.0	0.0	0.0	(c)
14:00	0.0	0.0	0.0	0.0	(c)
14:15	0.0	0.0	0.0	0.0	(c)
14:30	0.0	0.0	0.0	0.0	(c)
14:45	0.0	0.0	0.0	0.0	(c)
15:00	0.0	0.0	0.0	0.0	(c)
15:15	0.0	0.0	0.0	0.0	(c)
15:30	0.0	0.0	0.0	0.0	(c)
15:45	0.0	0.0	0.0	0.0	(c)
16:00	0.0	0.0	0.0	0.0	(c)
16:15	0.0	0.0	0.0	0.0	(c)
16:30	0.0	0.0	0.0	0.0	(c)
16:45	0.0	(c)	0.0	0.0	(c)
17:00	(c)	(c)	0.0	(c)	(c)
17:15	(c)	(c)	0.0	(c)	(c)
17:30	(c)	(c)	0.0	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:45 PM	4:30 PM	4:30 PM	4:45 PM	10:15 AM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - VOC

Week of June 14 - June 18, 2004

	VOC (ppm)				
	June 14, 2004	**June 15, 2004**	**June 16, 2004**	**June 17, 2004**	**June 18, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	<1	<1	<1	<1	<1
6:45	<1	<1	<1	<1	<1
7:00	<1	<1	<1	<1	<1
7:15	<1	<1	<1	<1	<1
7:30	<1	<1	<1	<1	<1
7:45	<1	<1	<1	<1	<1
8:00	<1	<1	<1	<1	<1
8:15	<1	<1	<1	<1	<1
8:30	<1	<1	<1	<1	<1
8:45	<1	<1	<1	<1	<1
9:00	<1	<1	<1	<1	<1
9:15	<1	<1	<1	<1	<1
9:30	<1	<1	<1	<1	<1
9:45	<1	<1	<1	<1	<1
10:00	<1	<1	<1	<1	<1
10:15	<1	<1	<1	<1	<1
10:30	0.3-1.4	<1	<1	<1	(c)
10:45	0.4-2.8	<1	<1	<1	(c)
11:00	0.6-1.9	<1	<1	<1	(c)
11:15	0.8-2.2	<1	<1	<1	(c)
11:30	<1	<1	<1	<1	(c)
11:45	0.4-1.2	<1	<1	<1	(c)
12:00	<1	<1	<1	<1	(c)
12:15	<1	<1	(b)	<1	(c)
12:30	<1	<1	(b)	<1	(c)
12:45	<1	<1	<1	<1	(c)
13:00	<1	<1	<1	<1	(c)
13:15	<1	<1	<1	<1	(c)
13:30	<1	<1	<1	<1	(c)
13:45	<1	<1	<1	<1	(c)
14:00	<1	<1	<1	<1	(c)
14:15	<1	<1	<1	<1	(c)
14:30	<1	<1	<1	<1	(c)
14:45	<1	<1	<1	<1	(c)
15:00	<1	<1	<1	<1	(c)
15:15	<1	<1	<1	<1	(c)
15:30	<1	<1	<1	<1	(c)
15:45	<1	<1	<1	<1	(c)
16:00	<1	<1	<1	<1	(c)
16:15	<1	<1	<1	<1	(c)
16:30	<1	<1	<1	<1	(c)
16:45	<1	(c)	<1	<1	(c)
17:00	(c)	(c)	<1	(c)	(c)
17:15	(c)	(c)	<1	(c)	(c)
17:30	(c)	(c)	<1	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.7 (e)**	**<1**	**<1**	**<1**	**<1**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:45 PM	4:30 PM	4:30 PM	4:45 PM	10:15 AM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for <1 ppm (0.5 ppm).

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 - Particulate Matter

Week of June 14 - June 18, 2004

	Particulate Matter (ug/m^3)				
	June 14, 2004	**June 15, 2004**	**June 16, 2004**	**June 17, 2004**	**June 18, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	9.0	11.0	30.0	0.0	7.0
6:45	26.0	11.0	26.0	0.0	25.0
7:00	10.0	14.0	35.0	11.0	19.0
7:15	14.0	13.0	16.0	16.0	5.0
7:30	18.0	5.0	9.0	8.0	10.0
7:45	6.0	26.0	10.0	0.0	5.0
8:00	0.0	19.0	6.0	13.0	21.0
8:15	0.0	13.0	10.0	18.0	26.0
8:30	0.0	6.0	21.0	24.0	27.0
8:45	0.0	36.0	32.0	32.0	13.0
9:00	0.0	7.0	4.0	4.0	12.0
9:15	0.0	12.0	11.0	0.0	7.0
9:30	0.0	2.0	20.0	0.0	6.0
9:45	4.0	14.0	4.0	0.0	5.0
10:00	12.0	15.0	10.0	6.0	18.0
10:15	23.0	17.0	42.0	4.0	16.0
10:30	16.0	17.0	36.0	0.0	(c)
10:45	14.0	21.0	24.0	0.0	(c)
11:00	28.0	7.0	16.0	0.0	(c)
11:15	44.0	23.0	32.0	0.0	(c)
11:30	12.0	15.0	24.0	0.0	(c)
11:45	13.0	27.0	38.0	19.0	(c)
12:00	13.0	22.0	31.0	22.0	(c)
12:15	18.0	18.0	(b)	18.0	(c)
12:30	10.0	2.0	(b)	0.0	(c)
12:45	11.0	18.0	14.0	0.0	(c)
13:00	15.0	34.0	0.0	0.0	(c)
13:15	18.0	26.0	10.0	0.0	(c)
13:30	15.0	38.0	32.0	0.0	(c)
13:45	27.0	28.0	26.0	0.0	(c)
14:00	21.0	32.0	14.0	0.0	(c)
14:15	31.0	41.0	22.0	0.0	(c)
14:30	9.0	6.0	14.0	0.0	(c)
14:45	18.0	0.0	8.0	0.0	(c)
15:00	13.0	38.0	12.0	0.0	(c)
15:15	17.0	0.0	12.0	0.0	(c)
15:30	33.0	0.0	24.0	6.0	(c)
15:45	12.0	0.0	18.0	8.0	(c)
16:00	13.0	0.0	14.0	6.0	(c)
16:15	12.0	6.0	14.0	0.0	(c)
16:30	16.0	8.0	8.0	0.0	(c)
16:45	12.0	(c)	(c)	0.0	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**13.9**	**15.8**	**18.7**	**5.1**	**13.9**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:45 PM	4:30 PM	4:30 PM	4:45 PM	10:15 AM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:
(a) Monitoring was initiated after this point for the day.
(b) Work was not performed
(c) Monitoring was complete at this point for the day.
(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 and Lagoon 5 - VOC

Week of June 21 - June 25, 2004

	VOC (ppm)				
	June 21, 2004	**June 22, 2004**	**June 23, 2004**	**June 24, 2004**	**June 25, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	<1	<1	<1	(<1)	<1
6:45	<1	<1	<1	(<1)	<1
7:00	<1	<1	<1	<1	<1
7:15	<1	<1	<1	<1	<1
7:30	<1	<1	<1	<1	<1
7:45	<1	<1	<1	<1	<1
8:00	<1	<1	<1	<1	<1
8:15	<1	<1	<1	<1	<1
8:30	<1	<1	<1	<1	<1
8:45	<1	<1	<1	<1	<1
9:00	<1	<1	<1	<1	<1
9:15	<1	<1	<1	<1	<1
9:30	<1	(f)	<1	<1	<1
9:45	<1	(f)	<1	<1	<1
10:00	<1	<1	<1	<1	<1
10:15	<1	<1	<1	<1	<1
10:30	<1	<1	<1	<1	<1
10:45	<1	<1	<1	<1	<1
11:00	<1	<1	<1	<1	<1
11:15	<1	<1	<1	<1	<1
11:30	<1	<1	<1	<1	<1
11:45	<1	<1	<1	<1	<1
12:00	<1	<1	<1	<1	<1
12:15	<1	<1	<1	<1	<1
12:30	<1	<1	<1	<1	<1
12:45	<1	<1	<1	<1	<1
13:00	<1	<1	<1	<1	<1
13:15	<1	<1	0.3-1.8	<1	<1
13:30	<1	<1	0.2-1.5	<1	<1
13:45	<1	<1	0.3-2.0	<1	<1
14:00	<1	<1	0.3-2.0	<1	<1
14:15	<1	<1	0.3-1.7	<1	<1
14:30	<1	<1	0.3-1.2	<1	0.30-2.0
14:45	<1	<1	0.4-1.9	<1	0.20-1.2
15:00	<1	<1	0.4-2.0	<1	0.20-1.2
15:15	<1	<1	0.3-1.8	<1	<1
15:30	<1	<1	0.3-1.8	(<1)	<1
15:45	<1	<1	0.3-1.8	(<1)	<1
16:00	<1	<1	0.3-1.8	(c)	(<1)
16:15	<1	2.6-8.1	0.3-1.8	(c)	(<1)
16:30	<1	4.5-8.0	<1	(c)	(c)
16:45	<1	4.5-8.0	<1	(c)	(c)
17:00	(c)	4.5-8.0	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**<1**	**1.25(e)**	**0.9(e)**	**<1**	**0.57(e)**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:45 PM	5:00 PM	4:45 PM	3:45 PM	4:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for <1 ppm (0.5 ppm).

(f) Instrument was being serviced.

Values in parentheses represent Lagoon 5 monitoring only

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 and Lagoon 5 - Particulate Matter

Week of June 21 - June 25, 2004

	Particulate Matter (ug/m^3)				
	June 21, 2004	**June 22, 2004**	**June 23, 2004**	**June 24, 2004**	**June 25, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	0.0	9.0	18.0	(4)	4.0
6:45	0.0	26.0	28.0	(31)	8.0
7:00	0.0	29.0	32.0	13.0	2.0
7:15	0.0	21.0	36.0	36.0	12.0
7:30	36.0	32.0	0.0	12.0	0.0
7:45	22.0	20.0	3.0	0.0	28.0
8:00	5.0	33.0	0.0	0.0	1.0
8:15	42.0	19.0	0.0	4.0	6.0
8:30	24.0	34.0	0.0	38.0	1.0
8:45	12.0	30.0	0.0	32.0	12.0
9:00	16.0	28.0	0.0	0.0	6.0
9:15	3.0	31.0	9.0	3.0	1.0
9:30	19.0	35.0	8.0	15.0	4.0
9:45	21.0	35.0	4.0	17.0	11.0
10:00	33.0	32.0	8.0	6.0	4.0
10:15	40.0	23.0	3.0	1.0	7.0
10:30	3.0	21.0	4.0	5.0	0.0
10:45	2.0	33.0	11.0	3.0	1.0
11:00	19.0	26.0	5.0	5.0	16.0
11:15	8.0	26.0	2.0	32.0	0.0
11:30	32.0	22.0	5.0	2.0	1.0
11:45	8.0	21.0	2.0	36.0	17.0
12:00	19.0	21.0	7.0	1.0	11.0
12:15	17.0	24.0	1.0	14.0	4.0
12:30	17.0	23.0	2.0	7.0	4.0
12:45	0.0	18.0	27.0	2.0	3.0
13:00	0.0	34.0	4.0	11.0	9.0
13:15	19.0	27.0	6.0	6.0	2.0
13:30	0.0	30.0	8.0	11.0	8.0
13:45	0.0	21.0	12.0	7.0	2.0
14:00	0.0	23.0	4.0	14.0	9.0
14:15	0.0	24.0	32.0	11.0	8.0
14:30	10.0	36.0	11.0	8.0	5.0
14:45	13.0	28.0	15.0	10.0	15.0
15:00	8.0	37.0	36.0	14.0	11.0
15:15	0.0	34.0	12.0	11.0	6.0
15:30	13.0	29.0	14.0	(11)	8.0
15:45	0.0	34.0	12.0	(14)	13.0
16:00	0.0	28.0	10.0	(c)	(4)
16:15	0.0	35.0	11.0	(c)	(2)
16:30	7.0	37.0	14.0	(c)	(c)
16:45	15.0	33.0	10.0	(c)	(c)
17:00	(c)	28.0	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**11.5**	**27.7**	**10.1**	**11.4**	**6.8**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:45 PM	5:00 PM	4:45 PM	3:45 PM	4:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Values in parentheses represent Lagoon 5 monitoring only

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 1 and Lagoon 5 - Hydrogen Sulfide

Week of June 21 - June 25, 2004

	Hydrogen Sulfide (ppm)				
	June 21, 2004	**June 22, 2004**	**June 23, 2004**	**June 24, 2004**	**June 25, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	0.0	0.0	0.0	(0.0)	0.0
6:45	0.0	0.0	0.0	(0.0)	0.0
7:00	0.0	0.0	0.0	0.0	0.0
7:15	0.0	0.0	0.0	0.0	0.0
7:30	0.0	0.0	0.0	0.0	0.0
7:45	0.0	0.0	0.0	0.0	0.0
8:00	0.0	0.0	0.0	0.0	0.0
8:15	0.0	0.0	0.0	0.0	0.0
8:30	0.0	0.0	0.0	0.0	0.0
8:45	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0
9:15	0.0	0.0	0.0	0.0	0.0
9:30	0.0	0.0	0.0	0.0	0.0
9:45	0.0	0.0	0.0	0.0	0.0
10:00	0.0	0.0	0.0	0.0	0.0
10:15	0.0	0.0	0.0	0.0	0.0
10:30	0.0	0.0	0.0	0.0	0.0
10:45	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0
11:15	0.0	0.0	0.0	0.0	0.0
11:30	0.0	0.0	0.0	0.0	0.0
11:45	0.0	0.0	0.0	0.0	0.0
12:00	0.0	0.0	0.0	0.0	0.0
12:15	0.0	0.0	0.0	0.0	0.0
12:30	0.0	0.0	0.0	0.0	0.0
12:45	0.0	0.0	0.0	0.0	0.0
13:00	0.0	0.0	0.0	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	0.0
13:45	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0
14:15	0.0	0.0	0.0	0.0	0.0
14:30	0.0	0.0	0.0	0.0	0.0
14:45	0.0	0.0	0.0	0.0	0.0
15:00	0.0	0.0	0.0	0.0	0.0
15:15	0.0	0.0	0.0	0.0	0.0
15:30	0.0	0.0	0.0	(0.0)	0.0
15:45	0.0	0.0	0.0	(0.0)	0.0
16:00	0.0	0.0	0.0	(c)	(0.0)
16:15	0.0	0.0	0.0	(c)	(0.0)
16:30	0.0	0.0	0.0	(c)	(c)
16:45	0.0	0.0	0.0	(c)	(c)
17:00	(c)	0.0	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:30 AM	6:30 AM
Sampler End Time	4:45 PM	5:00 PM	4:45 PM	3:45 PM	4:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Values in parentheses represent Lagoon 5 monitoring only

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 1 and 5 - Hydrogen Sulfide

Week of June 28 - July 2, 2004

	Hydrogen Sulfide (ppm)				
	June 28, 2004	**June 29, 2004**	**June 30, 2004**	**July 1, 2004**	**July 2, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	0.0	0.0	0.0	(a)	0.0
6:45	0.0	0.0	0.0	0.0	0.0
7:00	0.0	0.0	0.0	0.0	0.0
7:15	0.0	0.0	0.0	0.0	0.0
7:30	0.0	0.0	0.0	0.0	0.0
7:45	0.0	0.0	0.0	0.0	0.0
8:00	0.0	0.0	0.0	0.0	0.0
8:15	0.0	0.0	0.0	0.0	0.0
8:30	0.0	0.0	0.0	0.0	0.0
8:45	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0
9:15	0.0	0.0	0.0	0.0	0.0
9:30	0.0	0.0	0.0	0.0	0.0
9:45	0.0	0.0	0.0	0.0	0.0
10:00	0.0	0.0	0.0	0.0	0.0
10:15	0.0	0.0	0.0	0.0	0.0
10:30	0.0	0.0	0.0	0.0	0.0
10:45	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0
11:15	0.0	0.0	0.0	0.0	0.0
11:30	0.0	0.0	0.0	0.0	0.0
11:45	0.0	0.0	0.0	0.0	0.0
12:00	0.0	0.0	0.0	0.0	(b)
12:15	0.0	0.0	0.0	0.0	(b)
12:30	0.0	0.0	(b)	0.0	(b)
12:45	0.0	0.0	0.0	0.0	0.0
13:00	0.0	0.0	0.0	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	0.0
13:45	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0
14:15	0.0	0.0	0.0	0.0	0.0
14:30	0.0	0.0	0.0	0.0	0.0
14:45	0.0	0.0	0.0	0.0	0.0
15:00	0.0	0.0	0.0	0.0	0.0
15:15	0.0	0.0	0.0	0.0	0.0
15:30	0.0	0.0	0.0	0.0	(c)
15:45	0.0	0.0	0.0	(0.0)	(c)
16:00	0.0	0.0	0.0	(0.0)	(c)
16:15	0.0	0.0	(c)	(0.0)	(c)
16:30	0.0	0.0	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:45 AM	6:30 AM
Sampler End Time	4:30 PM	4:30 PM	4:00 PM	4:15 PM	3:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Values in parentheses represent Lagoon 1 monitoring only

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 and 5 - VOC

Week of June 28 - July 2, 2004

	VOC (ppm)				
	June 28, 2004	**June 29, 2004**	**June 30, 2004**	**July 1, 2004**	**July 2, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	<1	<1	<1	(a)	<1
6:45	<1	<1	<1	<1	<1
7:00	<1	<1	<1	<1	<1
7:15	<1	<1	<1	<1	<1
7:30	<1	<1	<1	<1	<1
7:45	<1	<1	<1	<1	<1
8:00	<1	<1	<1	<1	<1
8:15	<1	<1	<1	0.8-1.8	<1
8:30	<1	<1	<1	<5	<1
8:45	<1	<1	<1	<5	<1
9:00	<1	<1	<1	<5	<1
9:15	<1	<1	<1	<5	<1
9:30	<1	<1	<1	<5	<1
9:45	<1	<1	<1	<5	<1
10:00	<1	<1	<1	<6	<1
10:15	<1	<1	<1	<6	<1
10:30	<1	<1	<1	<6	<1
10:45	<1	<1	0.4 - 1.4	<6	<1
11:00	<1	<1	<1	<6	<1
11:15	<1	<1	<1	<6	<1
11:30	<1	<1	<1	<6	<1
11:45	<1	<1	<1	<6	<1
12:00	<1	<1	<1	<6	(b)
12:15	<1	<1	<1	<6	(b)
12:30	<1	<1	(b)	<6	(b)
12:45	<1	<1	<1	<6	<1
13:00	<1	<1	<1	<6	<1
13:15	<1	<1	<1	<6	<1
13:30	<1	<1	0.3-1.8	<6	<1
13:45	<1	<1	0.4-1.6	<6	<1
14:00	<1	<1	0.4-1.2	<6	<1
14:15	<1	<1	0.2-1.2	<6	<1
14:30	<1	<1	<1	<6	<1
14:45	<1	<1	<1	<5	<1
15:00	<1	<1	<1	<6	<1
15:15	<1	<1	<1	<6	<1
15:30	<1	<1	<1	<1	(c)
15:45	<1	<1	<1	(<1)	(c)
16:00	<1	<1	<1	(<1)	(c)
16:15	<1	<1	(c)	(<1)	(c)
16:30	<1	<1	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**<1**	**<1**	**0.62(e)**	**2.2(e)**	**<1**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:45 AM	6:30 AM
Sampler End Time	4:30 PM	4:30 PM	4:00 PM	4:15 PM	3:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for <1 ppm (0.5 ppm).

Values in parentheses represent Lagoon 1 monitoring only

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 and 5 - Particulate Matter

Week of June 28 - July 2, 2004

	Particulate Matter (ug/m^3)				
	June 28, 2004	**June 29, 2004**	**June 30, 2004**	**July 1, 2004**	**July 2, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	0.0	0.0	0.0	(a)	0.0
6:45	0.0	0.0	0.0	0.0	34.0
7:00	0.0	0.0	0.0	0.0	25.0
7:15	10.0	10.0	10.0	0.0	29.0
7:30	11.0	1.0	7.0	0.0	25.0
7:45	6.0	0.0	13.0	10.0	26.0
8:00	1.0	16.0	9.0	5.0	25.0
8:15	4.0	0.0	4.0	24.0	18.0
8:30	0.0	1.0	6.0	41.0	16.0
8:45	0.0	0.0	4.0	3.0	8.0
9:00	36.0	0.0	3.0	4.0	18.0
9:15	0.0	0.0	11.0	7.0	21.0
9:30	8.0	16.0	2.0	2.0	14.0
9:45	6.0	0.0	1.0	6.0	17.0
10:00	17.0	0.0	2.0	4.0	20.0
10:15	24.0	0.0	2.0	12.0	19.0
10:30	7.0	0.0	17.0	12.0	1.0
10:45	0.0	0.0	14.0	17.0	11.0
11:00	6.0	0.0	20.0	4.0	11.0
11:15	4.0	0.0	10.0	11.0	14.0
11:30	12.0	0.0	1.0	9.0	0.0
11:45	17.0	0.0	8.0	5.0	11.0
12:00	18.0	0.0	2.0	18.0	(b)
12:15	6.0	3.0	4.0	2.0	(b)
12:30	8.0	0.0	(b)	5.0	(b)
12:45	0.0	0.0	8.0	3.0	(14)
13:00	0.0	0.0	16.0	13.0	(0)
13:15	3.0	0.0	4.0	24.0	(4)
13:30	3.0	0.0	24.0	7.0	(9)
13:45	10.0	0.0	19.0	14.0	(8)
14:00	0.0	0.0	1.0	11.0	(11)
14:15	16.0	0.0	2.0	11.0	(11)
14:30	2.0	0.0	4.0	16.0	(0)
14:45	0.0	0.0	6.0	16.0	(4)
15:00	0.0	0.0	11.0	15.0	(8)
15:15	0.0	8.0	10.0	8.0	(8)
15:30	0.0	4.0	0.0	5.0	(c)
15:45	4.0	0.0	6.0	(0)	(c)
16:00	0.0	0.0	11.0	(2)	(c)
16:15	0.0	0.0	(c)	(11)	(c)
16:30	9.0	15.0	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**6.0**	**1.8**	**7.2**	**9.6**	**16.5**
Sampler Start Time	6:30 AM	6:30 AM	6:30 AM	6:45 AM	6:30 AM
Sampler End Time	4:30 PM	4:30 PM	4:00 PM	4:15 PM	3:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Values in parentheses represent Lagoon 1 monitoring only

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 1 and 5 - Hydrogen Sulfide

Week of July 5 - July 9, 2004

	Hydrogen Sulfide (ppm)				
	July 5, 2004	**July 6, 2004**	**July 7, 2004**	**July 8, 2004**	**July 9, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(e)	(a)	(a)	(a)	(a)
6:15	(e)	(a)	(a)	(a)	(a)
6:30	(e)	0.0	(a)	(a)	(a)
6:45	(e)	0.0	(a)	(a)	(a)
7:00	(e)	0.0	(a)	(a)	(a)
7:15	(e)	0.0	0.0	0.0	(a)
7:30	(e)	0.0	0.0	0.0	(a)
7:45	(e)	0.0	0.0	0.0	0.0
8:00	(e)	0.0	0.0	0.0	0.0
8:15	(e)	0.0	0.0	0.0	0.0
8:30	(e)	0.0	0.0	0.0	0.0
8:45	(e)	0.0	0.0	0.0	0.0
9:00	(e)	0.0	0.0	0.0	0.0
9:15	(e)	0.0	0.0	(b)	0.0
9:30	(e)	0.0	0.0	(b)	(b)
9:45	(e)	0.0	(b)	0.0	0.0
10:00	(e)	0.0	0.0	0.0	0.0
10:15	(e)	0.0	0.0	0.0	0.0
10:30	(e)	0.0	0.0	0.0	0.0
10:45	(e)	0.0	0.0	0.0	0.0
11:00	(e)	0.0	0.0	0.0	0.0
11:15	(e)	0.0	0.0	0.0	0.0
11:30	(e)	0.0	0.0	0.0	0.0
11:45	(e)	0.0	0.0	0.0	0.0
12:00	(e)	0.0	0.0	0.0	0.0
12:15	(e)	(b)	0.0	0.0	(b)
12:30	(e)	(b)	0.0	(b)	(b)
12:45	(e)	0.0	0.0	0.0	0.0
13:00	(e)	0.0	0.0	0.0	0.0
13:15	(e)	0.0	0.0	0.0	0.0
13:30	(e)	0.0	0.0	0.0	0.0
13:45	(e)	0.0	0.0	0.0	0.0
14:00	(e)	0.0	0.0	0.0	0.0
14:15	(e)	0.0	0.0	0.0	0.0
14:30	(e)	0.0	0.0	0.0	0.0
14:45	(e)	0.0	0.0	0.0	0.0
15:00	(e)	0.0	0.0	0.0	0.0
15:15	(e)	0.0	0.0	0.0	0.0
15:30	(e)	0.0	0.0	(0.0)	0.0
15:45	(e)	0.0	0.0	(0.0)	0.0
16:00	(e)	0.0	0.0	(0.0)	(c)
16:15	(e)	0.0	0.0	(0.0)	(c)
16:30	(e)	0.0	0.0	(0.0)	(c)
16:45	(e)	0.0	0.0	(c)	(c)
17:00	(e)	(c)	(c)	(c)	(c)
17:15	(e)	(c)	(c)	(c)	(c)
17:30	(e)	(c)	(c)	(c)	(c)
17:45	(e)	(c)	(c)	(c)	(c)
18:00	(e)	(c)	(c)	(c)	(c)
18:15	(e)	(c)	(c)	(c)	(c)
18:30	(e)	(c)	(c)	(c)	(c)
Daily Average	**-**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	-	6:30 AM	7:15 AM	7:15 AM	7:45 AM
Sampler End Time	-	4:45 PM	4:45 PM	4:30 PM	3:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) July 4th holiday - no work activity

Values in parentheses represent Lagoon 5 monitoring only

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 and 5 - VOC

Week of July 5 - July 9, 2004

	VOC (ppm)				
	July 5, 2004	**July 6, 2004**	**July 7, 2004**	**July 8, 2004**	**July 9, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(f)	(a)	(a)	(a)	(a)
6:15	(f)	(a)	(a)	(a)	(a)
6:30	(f)	<1	(a)	(a)	(a)
6:45	(f)	<1	(a)	(a)	(a)
7:00	(f)	<1	(a)	(a)	(a)
7:15	(f)	<1	<1	<1	(a)
7:30	(f)	<1	<1	<1	(a)
7:45	(f)	<1	<1	<1	<1
8:00	(f)	<1	<2	<1	<1
8:15	(f)	<1	<2	<1	<1
8:30	(f)	<1	<2	<1	<1
8:45	(f)	<1	<2	<1	<1
9:00	(f)	<1	<2	<1	<1
9:15	(f)	<1	<2	(b)	<1
9:30	(f)	<1	<2	(b)	(b)
9:45	(f)	<1	(b)	<1	<1
10:00	(f)	<1	<2	<1	<1
10:15	(f)	<1	<3	<1	<1
10:30	(f)	<1	<2	<1	<1
10:45	(f)	<1	<2	<1	<1
11:00	(f)	<1	<2	<1	<1
11:15	(f)	<1	<2	<1	<1
11:30	(f)	<1	<2	<1	<1
11:45	(f)	<1	<2	<1	<1
12:00	(f)	<1	<2	<1	<1
12:15	(f)	(b)	<2	<1	(b)
12:30	(f)	(b)	<1	(b)	(b)
12:45	(f)	<1	<2	<1	<1
13:00	(f)	<1	<2	<1	<1
13:15	(f)	0.2-1.5	<2	<1	<1
13:30	(f)	0.3-1.4	<2	<1	<1
13:45	(f)	0.3-1.8	<2	<1	<1
14:00	(f)	0.2-1.8	<2	<1	<1
14:15	(f)	0.2-1.6	<2	<1	<1
14:30	(f)	0.4-1.4	<2	<1	<1
14:45	(f)	0.3-1.8	<2	<1	<1
15:00	(f)	0.2-1.2	<2	<1	<1
15:15	(f)	0.2-1.5	<2	<1	<1
15:30	(f)	0.2-1.8	<2	(<1)	<1
15:45	(f)	0.2-1.5	<2	(<1)	<1
16:00	(f)	<2	<2	(<1)	(c)
16:15	(f)	<2	<2	(<1)	(c)
16:30	(f)	<2	<2	(<1)	(c)
16:45	(f)	<2	<2	(c)	(c)
17:00	(f)	(c)	(c)	(c)	(c)
17:15	(f)	(c)	(c)	(c)	(c)
17:30	(f)	(c)	(c)	(c)	(c)
17:45	(f)	(c)	(c)	(c)	(c)
18:00	(f)	(c)	(c)	(c)	(c)
18:15	(f)	(c)	(c)	(c)	(c)
18:30	(f)	(c)	(c)	(c)	(c)
Daily Average	**-**	**0.85(e)**	**0.96(e)**	**<1**	**<1**
Sampler Start Time	-	6:30 AM	7:15 AM	7:15 AM	7:45 AM
Sampler End Time	-	4:45 PM	4:45 PM	4:30 PM	3:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for values given as less than a value (i.e., <1 ppm = 0.5 ppm).

(f) July 4th holiday - no work activity

Values in parentheses represent Lagoon 5 monitoring only

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 1 and 5 - Particulate Matter

Week of July 5 - July 9, 2004

	Particulate Matter (ug/m^3)				
	July 5, 2004	**July 6, 2004**	**July 7, 2004**	**July 8, 2004**	**July 9, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(e)	(a)	(a)	(a)	(a)
6:15	(e)	(a)	(a)	(a)	(a)
6:30	(e)	1.0	(a)	(a)	(a)
6:45	(e)	0.0	(a)	(a)	(a)
7:00	(e)	0.0	(a)	(a)	(a)
7:15	(e)	0.0	0.0	0.0	(a)
7:30	(e)	0.0	3.0	0.0	(a)
7:45	(e)	0.0	6.0	0.0	1.0
8:00	(e)	0.0	27.0	0.0	1.0
8:15	(e)	0.0	4.0	0.0	3.0
8:30	(e)	0.0	22.0	0.0	7.0
8:45	(e)	0.0	0.0	0.0	7.0
9:00	(e)	0.0	0.0	0.0	8.0
9:15	(e)	0.0	0.0	(b)	4.0
9:30	(e)	0.0	4.0	(b)	(b)
9:45	(e)	0.0	(b)	0.0	4.0
10:00	(e)	0.0	2.0	0.0	4.0
10:15	(e)	0.0	2.0	0.0	4.0
10:30	(e)	0.0	8.0	0.0	6.0
10:45	(e)	0.0	0.0	0.0	3.0
11:00	(e)	0.0	0.0	0.0	2.0
11:15	(e)	0.0	0.0	0.0	5.0
11:30	(e)	0.0	0.0	0.0	3.0
11:45	(e)	0.0	0.0	0.0	2.0
12:00	(e)	4.0	0.0	0.0	5.0
12:15	(e)	(b)	0.0	20.0	(b)
12:30	(e)	(b)	4.0	(b)	(b)
12:45	(e)	4.0	8.0	21.0	1.0
13:00	(e)	27.0	12.0	22.0	2.0
13:15	(e)	3.0	6.0	27.0	3.0
13:30	(e)	10.0	8.0	32.0	3.0
13:45	(e)	2.0	3.0	36.0	1.0
14:00	(e)	8.0	7.0	20.0	5.0
14:15	(e)	4.0	18.0	24.0	5.0
14:30	(e)	4.0	16.0	21.0	1.0
14:45	(e)	16.0	8.0	22.0	3.0
15:00	(e)	10.0	18.0	34.0	15.0
15:15	(e)	17.0	4.0	14.0	11.0
15:30	(e)	11.0	11.0	(23.0)	5.0
15:45	(e)	4.0	8.0	(21.0)	4.0
16:00	(e)	14.0	8.0	(22.0)	(c)
16:15	(e)	4.0	11.0	(18.0)	(c)
16:30	(e)	3.0	9.0	(21.0)	(c)
16:45	(e)	7.0	6.0	(c)	(c)
17:00	(e)	(c)	(c)	(c)	(c)
17:15	(e)	(c)	(c)	(c)	(c)
17:30	(e)	(c)	(c)	(c)	(c)
17:45	(e)	(c)	(c)	(c)	(c)
18:00	(e)	(c)	(c)	(c)	(c)
18:15	(e)	(c)	(c)	(c)	(c)
18:30	(e)	(c)	(c)	(c)	(c)
Daily Average	**-**	**3.8**	**6.4**	**9.8**	**4.3**
Sampler Start Time	-	6:30 AM	7:15 AM	7:15 AM	7:45 AM
Sampler End Time	-	4:45 PM	4:45 PM	4:30 PM	3:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) July 4th holiday - no work activity

Values in parentheses represent Lagoon 5 monitoring only

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 5 & Landfill - Hydrogen Sulfide

Week of July 12 - July 16, 2004

	Hydrogen Sulfide (ppm)					
	July 12, 2004		**July 13, 2004**	**July 14, 2004**	**July 15, 2004**	**July 16, 2004**
Time of Day	15-min Reading		15-min Reading	15-min Reading	15-min Reading	15-min Reading
	Lagoon 5	**Landfill**	**Lagoon 5 and Landfill**			
6:00	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.0	(a)	(a)	(a)	(a)	(a)
7:15	0.0	(a)	0.0	(a)	(a)	(a)
7:30	0.0	(a)	0.0	0.0	(a)	0.0
7:45	0.0	(a)	0.0	0.0	0.0	0.0
8:00	0.0	(a)	0.0	0.0	0.0	0.0
8:15	0.0	(a)	0.0	0.0	0.0	0.0
8:30	0.0	0.0	0.0	0.0	0.0	0.0
8:45	0.0	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0	0.0
9:15	0.0	0.0	0.0	0.0	0.0	0.0
9:30	0.0	0.0	(b)	(b)	0.0	(b)
9:45	0.0	0.0	0.0	0.0	(b)	0.0
10:00	0.0	0.0	0.0	0.0	0.0	0.0
10:15	0.0	0.0	0.0	0.0	0.0	0.0
10:30	0.0	0.0	0.0	0.0	0.0	0.0
10:45	0.0	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0	0.0
11:15	0.0	0.0	0.0	0.0	0.0	0.0
11:30	0.0	0.0	0.0	0.0	0.0	0.0
11:45	0.0	0.0	0.0	0.0	0.0	0.0
12:00	(b)	0.0	0.0	(b)	(b)	0.0
12:15	(b)	(b)	(b)	(b)	(b)	(b)
12:30	0.0	(b)	(b)	(b)	(b)	(b)
12:45	0.0	0.0	0.0	0.0	0.0	0.0
13:00	0.0	0.0	0.0	0.0	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	0.0	0.0
13:45	0.0	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0	0.0
14:15	0.0	0.0	0.0	0.0	0.0	0.0
14:30	0.0	0.0	0.0	0.0	0.0	0.0
14:45	0.0	0.0	0.0	0.0	0.0	0.0
15:00	0.0	0.0	0.0	0.0	0.0	0.0
15:15	0.0	0.0	(b)	0.0	0.0	0.0
15:30	0.0	0.0	0.0	0.0	0.0	0.0
15:45	0.0	0.0	0.0	(c)	0.0	(c)
16:00	0.0	0.0	0.0	(c)	0.0	(c)
16:15	0.0	0.0	0.0	(c)	0.0	(c)
16:30	0.0	0.0	(c)	(c)	0.0	(c)
16:45	0.0	0.0	(c)	(c)	(c)	(c)
17:00	0.0	0.0	(c)	(c)	(c)	(c)
17:15	0.0	0.0	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	7:00 AM	8:30 AM	7:15 AM	7:30 AM	7:45 AM	7:30 AM
Sampler End Time	5:15 PM	5:15 PM	4:15 PM	3:30 PM	4:30 PM	3:30 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 5 & Landfill - VOC

Week of July 12 - July 16, 2004

	VOC (ppm)					
	July 12, 2004		July 13, 2004	July 14, 2004	July 15, 2004	July 16, 2004
Time of Day	15-min Reading		15-min Reading	15-min Reading	15-min Reading	15-min Reading
	Lagoon 5	Landfill	Lagoon 5 and Landfill			
6:00	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)
7:00	<1	(a)	(a)	(a)	(a)	(a)
7:15	<1	(a)	<1	(a)	(a)	(a)
7:30	<1	(a)	<1	<1	(a)	<1
7:45	<1	(a)	<1	<1	<1	<1
8:00	<1	(a)	<1	<1	<1	<1
8:15	<1	(a)	<1	<1	<1	<1
8:30	<1	<1	<1	<1	<1	<1
8:45	<1	<1	<1	<1	<1	<1
9:00	<1	<1	<1	<1	<1	<1
9:15	<1	<1	<1	<1	<1	<1
9:30	<1	<1	(b)	(b)	<1	(b)
9:45	<1	<1	<1	<1	(b)	<1
10:00	<1	<1	<1	<1	<1	<1
10:15	<1	<1	<1	<1	<1	<1
10:30	<1	<1	<1	<1	<1	<1
10:45	<1	<1	<1	<1	<1	<1
11:00	<1	<1	<1	<1	<1	<1
11:15	<1	<1	<1	<1	<1	<1
11:30	<1	<1	<1	<1	<1	<1
11:45	<1	<1	<1	<1	<1	<1
12:00	(b)	<1	<1	(b)	(b)	<1
12:15	(b)	(b)	(b)	(b)	(b)	(b)
12:30	<1	(b)	(b)	(b)	(b)	(b)
12:45	<1	<1	<1	<1	<1	<1
13:00	<1	<1	<1	<1	<1	<1
13:15	<1	<1	<1	<1	<1	<1
13:30	<1	<1	<1	<1	<1	<1
13:45	<1	<1	<1	<1	<1	<1
14:00	<1	<1	<1	<1	<1	<1
14:15	<1	<1	<1	<1	<1	<1
14:30	<1	<1	<1	<1	<1	<1
14:45	<1	<1	<1	<1	<1	<1
15:00	<1	<1	<1	<1	<1	<1
15:15	<1	<1	(b)	<1	<1	<1
15:30	<1	<1	<1	<1	<1	<1
15:45	<1	<1	<1	(c)	<1	(c)
16:00	<1	<1	<1	(c)	<1	(c)
16:15	<1	<1	<1	(c)	<1	(c)
16:30	<1	<1	(c)	(c)	<1	(c)
16:45	<1	<1	(c)	(c)	(c)	(c)
17:00	<1	<1	(c)	(c)	(c)	(c)
17:15	<1	<1	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**
Sampler Start Time	7:00 AM	8:30 AM	7:15 AM	7:30 AM	7:45 AM	7:30 AM
Sampler End Time	5:15 PM	5:15 PM	4:15 PM	3:30 PM	4:30 PM	3:30 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for <1 ppm (0.5 ppm).

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 5 & Landfill - Particulate Matter

Week of July 12 - July 16, 2004

	Particulate Matter (ug/m^3)					
	July 12, 2004		**July 13, 2004**	**July 14, 2004**	**July 15, 2004**	**July 16, 2004**
Time of Day	15-min Reading		15-min Reading	15-min Reading	15-min Reading	15-min Reading
	Lagoon 5	**Landfill**	**Lagoon 5 and Landfill**			
6:00	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.0	(a)	(a)	(a)	(a)	(a)
7:15	0.0	(a)	18.0	(a)	(a)	(a)
7:30	0.0	(a)	20.0	8.0	(a)	0.0
7:45	14.0	(a)	8.0	0.0	0.0	0.0
8:00	16.0	(a)	13.0	7.0	0.0	0.0
8:15	15.0	(a)	9.0	4.0	0.0	0.0
8:30	32.0	6.0	9.0	0.0	0.0	0.0
8:45	36.0	8.0	3.0	9.0	0.0	0.0
9:00	28.0	8.0	11.0	0.0	0.0	0.0
9:15	36.0	11.0	4.0	0.0	0.0	0.0
9:30	22.0	14.0	(b)	(b)	0.0	(b)
9:45	11.0	8.0	0.0	6.0	(b)	0.0
10:00	9.0	6.0	0.0	8.0	0.0	0.0
10:15	16.0	6.0	11.0	11.0	0.0	0.0
10:30	19.0	11.0	0.0	6.0	0.0	0.0
10:45	26.0	18.0	0.0	0.0	0.0	0.0
11:00	38.0	15.0	0.0	4.0	0.0	0.0
11:15	27.0	11.0	0.0	0.0	0.0	0.0
11:30	9.0	11.0	0.0	11.0	0.0	0.0
11:45	17.0	13.0	10.0	10.0	0.0	0.0
12:00	(b)	15.0	7.0	(b)	(b)	0.0
12:15	(b)	(b)	(b)	(b)	(b)	(b)
12:30	42.0	(b)	(b)	(b)	(b)	(b)
12:45	21.0	18.0	21.0	4.0	0.0	0.0
13:00	10.0	16.0	6.0	9.0	0.0	0.0
13:15	39.0	16.0	9.0	4.0	0.0	0.0
13:30	38.0	14.0	6.0	4.0	0.0	0.0
13:45	10.0	23.0	3.0	6.0	0.0	0.0
14:00	14.0	9.0	8.0	4.0	0.0	0.0
14:15	8.0	11.0	6.0	0.0	0.0	0.0
14:30	12.0	16.0	11.0	18.0	4.0	0.0
14:45	11.0	24.0	8.0	11.0	0.0	0.0
15:00	7.0	13.0	21.0	8.0	0.0	0.0
15:15	27.0	11.0	(b)	6.0	0.0	0.0
15:30	26.0	11.0	4.0	11.0	0.0	0.0
15:45	21.0	9.0	7.0	(c)	0.0	(c)
16:00	16.0	8.0	7.0	(c)	0.0	(c)
16:15	11.0	14.0	5.0	(c)	0.0	(c)
16:30	19.0	11.0	(c)	(c)	0.0	(c)
16:45	11.0	23.0	(c)	(c)	(c)	(c)
17:00	11.0	18.0	(c)	(c)	(c)	(c)
17:15	11.0	14.0	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**18.4**	**12.9**	**7.4**	**5.8**	**0.1**	**0.0**
Sampler Start Time	7:00 AM	8:30 AM	7:15 AM	7:30 AM	7:45 AM	7:30 AM
Sampler End Time	5:15 PM	5:15 PM	4:15 PM	3:30 PM	4:30 PM	3:30 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Landfill and Lagoon 5 - Hydrogen Sulfide

Week of July 19 - July 23, 2004

	Hydrogen Sulfide (ppm)				
	July 19, 2004	**July 20, 2004**	**July 21, 2004**	**July 22, 2004**	**July 23, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
	Landfill and Lagoon 5	**Landfill and Lagoon 5**	**Landfill Only**	**Landfill and Lagoon 5**	**Landfill and Lagoon 5**
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)
7:30	(a)	0.0	(a)	(a)	0.0
7:45	(a)	0.0	(a)	(a)	0.0
8:00	0.0	0.0	(a)	0.0	0.0
8:15	0.0	0.0	(a)	0.0	0.0
8:30	0.0	0.0	0.0	0.0	0.0
8:45	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0
9:15	0.0	0.0	0.0	0.0	0.0
9:30	0.0	(b)	(b)	0.0	(b)
9:45	(b)	0.0	0.0	(b)	0.0
10:00	0.0	0.0	0.0	0.0	0.0
10:15	0.0	0.0	0.0	0.0	0.0
10:30	0.0	0.0	0.0	0.0	0.0
10:45	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0
11:15	0.0	0.0	0.0	0.0	0.0
11:30	0.0	0.0	0.0	0.0	0.0
11:45	0.0	0.0	0.0	0.0	0.0
12:00	0.0	0.0	0.0	0.0	0.0
12:15	(b)	(b)	(b)	(b)	0.0
12:30	(b)	(b)	(b)	(b)	0.0
12:45	0.0	0.0	0.0	0.0	(b)
13:00	0.0	0.0	0.0	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	0.0
13:45	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0
14:15	0.0	0.0	0.0	0.0	0.0
14:30	0.0	0.0	0.0	0.0	(e)
14:45	0.0	0.0	0.0	0.0	(e)
15:00	0.0	0.0	0.0	0.0	(e)
15:15	0.0	0.0	0.0	0.0	(e)
15:30	0.0	0.0	0.0	0.0	(e)
15:45	0.0	0.0	0.0	0.0	(e)
16:00	(c)	0.0	0.0	(c)	(e)
16:15	(c)	(c)	(c)	(c)	(e)
16:30	(c)	(c)	(c)	(c)	(e)
16:45	(c)	(c)	(c)	(c)	(e)
17:00	(c)	(c)	(c)	(c)	(e)
17:15	(c)	(c)	(c)	(c)	(e)
17:30	(c)	(c)	(c)	(c)	(e)
17:45	(c)	(c)	(c)	(c)	(e)
18:00	(c)	(c)	(c)	(c)	(e)
18:15	(c)	(c)	(c)	(c)	(e)
18:30	(c)	(c)	(c)	(c)	(e)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	8:00 AM	7:30 AM	8:30 AM	8:00 AM	7:30 AM
Sampler End Time	3:45 PM	4:00 PM	4:00 PM	3:45 PM	1:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor suppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) Monitoring was complete at this point for the day due to heavy rain.

Pownal Tannery Exclusion Zone
Landfill and Lagoon 5 - VOC

Week of July 19 - July 23, 2004

	VOC (ppm)				
	July 19, 2004	**July 20, 2004**	**July 21, 2004**	**July 22, 2004**	**July 23, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
	Landfill and Lagoon 5	**Landfill and Lagoon 5**	**Landfill Only**	**Landfill and Lagoon 5**	**Landfill and Lagoon 5**
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)
7:30	(a)	<.10	(a)	(a)	<.10
7:45	(a)	<.10	(a)	(a)	<.10
8:00	<.10	<.10	(a)	<.10	<.10
8:15	<.10	<.10	(a)	<.10	<.10
8:30	<.10	<.10	<.10	<.10	<.10
8:45	<.10	<.10	<.10	<.10	<.10
9:00	<.10	<.10	<.70	<.10	<.10
9:15	<.10	<.10	<.70	<.10	<.10
9:30	<.10	(b)	(b)	<.10	(b)
9:45	(b)	<.10	<.70	(b)	<.10
10:00	<.10	<.10	<.70	<.10	<.10
10:15	<.10	<.10	<.70	<.10	<.10
10:30	<.10	<.10	<.70	<.10	<.10
10:45	<.10	<.10	<.70	<.10	<.10
11:00	<.10	<.10	<.70	<.10	<.10
11:15	<.10	<.10	<.50	<.10	<.10
11:30	<.10	<.10	<.50	<.10	<.10
11:45	<.10	<.10	<.10	<.10	<.10
12:00	<.10	<.10	<.10	<.10	<.10
12:15	(b)	(b)	(b)	(b)	<.10
12:30	(b)	(b)	(b)	(b)	<.10
12:45	<.10	<.10	<.10	<.10	(b)
13:00	<.10	<.10	<.10	<.10	<.10
13:15	<.10	<.10	<.10	<.10	<.10
13:30	<.10	<.10	<.10	<.10	<.10
13:45	<.10	<.10	<.10	<.10	<.10
14:00	<.10	<.10	<.10	<.10	<.10
14:15	<.10	<.10	<.10	<.10	<.10
14:30	<.10	<.10	<.10	<.10	(g)
14:45	<.10	<.10	<.10	<.10	(g)
15:00	<.10	<.10	<.10	<.10	(g)
15:15	<.10	<.10	<.10	<.10	(g)
15:30	<.10	<.10	<.10	<.10	(g)
15:45	<.10	<.10	<.10	<.10	(g)
16:00	(c)	<.10	<.10	(c)	(g)
16:15	(c)	(c)	(c)	(c)	(g)
16:30	(c)	(c)	(c)	(c)	(g)
16:45	(c)	(c)	(c)	(c)	(g)
17:00	(c)	(c)	(c)	(c)	(g)
17:15	(c)	(c)	(c)	(c)	(g)
17:30	(c)	(c)	(c)	(c)	(g)
17:45	(c)	(c)	(c)	(c)	(g)
18:00	(c)	(c)	(c)	(c)	(g)
18:15	(c)	(c)	(c)	(c)	(g)
18:30	(c)	(c)	(c)	(c)	(g)
Daily Average	**<.10**	**<.10**	**0.044**	**<.10**	**<.10**
Sampler Start Time	8:00 AM	7:30 AM	8:30 AM	8:00 AM	7:30 AM
Sampler End Time	3:45 PM	4:00 PM	4:00 PM	3:45 PM	1:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for values reported less than a value (i.e., 1 ppm = 0.5 ppm).

(f) Instrument was being serviced.

(g) Monitoring was complete at this point for the day due to heavy rain.

Pownal Tannery Exclusion Zone
Landfill and Lagoon 5 - Particulate Matter

Week of July 19 - July 23, 2004

	Particulate Matter (ug/m^3)				
	July 19, 2004	**July 20, 2004**	**July 21, 2004**	**July 22, 2004**	**July 23, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
	Landfill and Lagoon 5	**Landfill and Lagoon 5**	**Landfill Only**	**Landfill and Lagoon 5**	**Landfill and Lagoon 5**
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)
7:30	(a)	0.0	(a)	(a)	0.0
7:45	(a)	0.0	(a)	(a)	0.0
8:00	0.0	0.0	(a)	0.0	0.0
8:15	0.0	0.0	(a)	0.0	4.0
8:30	0.0	0.0	0.0	0.0	11.0
8:45	0.0	0.0	0.0	0.0	4.0
9:00	0.0	0.0	0.0	0.0	4.0
9:15	0.0	0.0	0.0	0.0	10.0
9:30	0.0	(b)	(b)	0.0	(b)
9:45	(b)	0.0	0.0	(b)	6.0
10:00	0.0	0.0	0.0	0.0	4.0
10:15	0.0	0.0	0.0	0.0	10.0
10:30	0.0	0.0	0.0	0.0	16.0
10:45	0.0	0.0	0.0	0.0	9.0
11:00	0.0	0.0	0.0	0.0	4.0
11:15	0.0	0.0	0.0	0.0	4.0
11:30	0.0	0.0	0.0	0.0	11.0
11:45	0.0	0.0	0.0	0.0	4.0
12:00	0.0	0.0	0.0	0.0	11.0
12:15	(b)	(b)	(b)	(b)	13.0
12:30	(b)	(b)	(b)	(b)	18.0
12:45	0.0	0.0	0.0	0.0	(b)
13:00	0.0	0.0	0.0	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	3.0
13:45	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	(e)
14:15	0.0	0.0	0.0	0.0	(e)
14:30	0.0	0.0	0.0	0.0	(e)
14:45	0.0	0.0	0.0	0.0	(e)
15:00	0.0	0.0	0.0	0.0	(e)
15:15	0.0	0.0	0.0	0.0	(e)
15:30	0.0	0.0	0.0	0.0	(e)
15:45	0.0	0.0	0.0	0.0	(e)
16:00	(c)	0.0	0.0	(c)	(e)
16:15	(c)	(c)	(c)	(c)	(e)
16:30	(c)	(c)	(c)	(c)	(e)
16:45	(c)	(c)	(c)	(c)	(e)
17:00	(c)	(c)	(c)	(c)	(e)
17:15	(c)	(c)	(c)	(c)	(e)
17:30	(c)	(c)	(c)	(c)	(e)
17:45	(c)	(c)	(c)	(c)	(e)
18:00	(c)	(c)	(c)	(c)	(e)
18:15	(c)	(c)	(c)	(c)	(e)
18:30	(c)	(c)	(c)	(c)	(e)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**6.1**
Sampler Start Time	8:00 AM	7:30 AM	8:30 AM	8:00 AM	7:30 AM
Sampler End Time	3:45 PM	4:00 PM	4:00 PM	3:45 PM	1:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:
(a) Monitoring was initiated after this point for the day.
(b) Work was not performed
(c) Monitoring was complete at this point for the day.
(d) Monitoring was not recorded at this point for the day.
(e) Monitoring was complete at this point for the day due to heavy rain.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Landfill/Lagoon 5 - Hydrogen Sulfide

Week of July 26 - July 31, 2004

	Hydrogen Sulfide (ppm)					
	July 26, 2004	**July 27, 2004**	**July 28, 2004**	**July 29, 2004**	**July 30, 2004**	**July 31, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(b)	(a)	(a)	(b)	(b)
6:15	(a)	(b)	(a)	(a)	(b)	(b)
6:30	(a)	(b)	(a)	(a)	(b)	(b)
6:45	(a)	(b)	(a)	(a)	(b)	(b)
7:00	(a)	(b)	(a)	(a)	(b)	(b)
7:15	(a)	(b)	(a)	(a)	(b)	(b)
7:30	(a)	(b)	(a)	(a)	(b)	(b)
7:45	0.0	(b)	(a)	0.0	(b)	(b)
8:00	0.0	(b)	(a)	(b)	(b)	(b)
8:15	0.0	(b)	0.0	(b)	(b)	(b)
8:30	0.0	(b)	0.0	(b)	(b)	(b)
8:45	0.0	(b)	0.0	(b)	(b)	(b)
9:00	0.0	(b)	0.0	0.0	(b)	(b)
9:15	0.0	(b)	0.0	(b)	(b)	(b)
9:30	0.0	(b)	0.0	(b)	(b)	(b)
9:45	0.0	(b)	0.0	(b)	(b)	(b)
10:00	0.0	(b)	0.0	(b)	(b)	(b)
10:15	0.0	(b)	0.0	0.0	(b)	(b)
10:30	0.0	(b)	0.0	(b)	(b)	(b)
10:45	0.0	(b)	0.0	(b)	(b)	(b)
11:00	0.0	(b)	0.0	(b)	(b)	(b)
11:15	0.0	(b)	0.0	0.0	(b)	(b)
11:30	0.0	(b)	0.0	(b)	(b)	(b)
11:45	0.0	(b)	0.0	(b)	(b)	(b)
12:00	0.0	(b)	0.0	0.0	(b)	(b)
12:15	0.0	(b)	0.0	(b)	(b)	(b)
12:30	0.0	(b)	0.0	(b)	(b)	(b)
12:45	0.0	(b)	0.0	(b)	(b)	(b)
13:00	0.0	(b)	0.0	(b)	(b)	(b)
13:15	0.0	(b)	0.0	0.0	(b)	(b)
13:30	0.0	(b)	0.0	(b)	(b)	(b)
13:45	0.0	(b)	0.0	(b)	(b)	(b)
14:00	0.0	(b)	0.0	0.0	(b)	(b)
14:15	0.0	(b)	0.0	(b)	(b)	(b)
14:30	0.0	(b)	0.0	(b)	(b)	(b)
14:45	0.0	(b)	0.0	(b)	(b)	(b)
15:00	0.0	(b)	0.0	(b)	(b)	(b)
15:15	0.0	(b)	0.0	(b)	(b)	(b)
15:30	0.0	(b)	0.0	(b)	(b)	(b)
15:45	0.0	(b)	0.0	(b)	(b)	(b)
16:00	(c)	(b)	(c)	(b)	(b)	(b)
16:15	(c)	(b)	(c)	(b)	(b)	(b)
16:30	(c)	(b)	(c)	(b)	(b)	(b)
16:45	(c)	(b)	(c)	(b)	(b)	(b)
17:00	(c)	(b)	(c)	(b)	(b)	(b)
17:15	(c)	(b)	(c)	(b)	(b)	(b)
17:30	(c)	(b)	(c)	(b)	(b)	(b)
17:45	(c)	(b)	(c)	(b)	(b)	(b)
18:00	(c)	(b)	(c)	(b)	(b)	(b)
18:15	(c)	(b)	(c)	(b)	(b)	(b)
18:30	(c)	(b)	(c)	(b)	(b)	(b)
Daily Average	**0.0**	**-**	**0.0**	**0.0**	**-**	**-**
Sampler Start Time	**7:45 AM**	-	**8:15 AM**	**7:45 AM**	-	-
Sampler End Time	**3:45 PM**	-	**3:45 PM**	**2:00 PM**	-	-

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill/Lagoon 5 - VOC

Week of July 26 - July 31, 2004

	VOC (ppm)					
	July 26, 2004	**July 27, 2004**	**July 28, 2004**	**July 29, 2004**	**July 30, 2004**	**July 31, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(b)	(a)	(a)	(b)	(b)
6:15	(a)	(b)	(a)	(a)	(b)	(b)
6:30	(a)	(b)	(a)	(a)	(b)	(b)
6:45	(a)	(b)	(a)	(a)	(b)	(b)
7:00	(a)	(b)	(a)	(a)	(b)	(b)
7:15	(a)	(b)	(a)	(a)	(b)	(b)
7:30	(a)	(b)	(a)	(a)	(b)	(b)
7:45	<.10	(b)	(a)	<.10	(b)	(b)
8:00	<.10	(b)	(a)	(b)	(b)	(b)
8:15	<.10	(b)	<.10	(b)	(b)	(b)
8:30	<.10	(b)	<.10	(b)	(b)	(b)
8:45	<.10	(b)	<.10	(b)	(b)	(b)
9:00	<.10	(b)	<.10	<.10	(b)	(b)
9:15	<.10	(b)	<.10	(b)	(b)	(b)
9:30	<.10	(b)	<.10	(b)	(b)	(b)
9:45	<.10	(b)	<.10	(b)	(b)	(b)
10:00	<.10	(b)	<.10	(b)	(b)	(b)
10:15	<.10	(b)	<.10	<.10	(b)	(b)
10:30	<.10	(b)	<.10	(b)	(b)	(b)
10:45	<.10	(b)	<.10	(b)	(b)	(b)
11:00	<.10	(b)	<.10	(b)	(b)	(b)
11:15	<.10	(b)	<.10	<.10	(b)	(b)
11:30	<.10	(b)	<.10	(b)	(b)	(b)
11:45	<.10	(b)	<.10	(b)	(b)	(b)
12:00	<.10	(b)	<.10	<.10	(b)	(b)
12:15	<.10	(b)	<.10	(b)	(b)	(b)
12:30	<.10	(b)	<.10	(b)	(b)	(b)
12:45	<.10	(b)	<.10	(b)	(b)	(b)
13:00	<.10	(b)	<.10	(b)	(b)	(b)
13:15	<.10	(b)	<.10	<.10	(b)	(b)
13:30	<.10	(b)	<.10	(b)	(b)	(b)
13:45	<.10	(b)	<.10	(b)	(b)	(b)
14:00	<.10	(b)	<.10	<.10	(b)	(b)
14:15	<.10	(b)	<.10	(b)	(b)	(b)
14:30	<.10	(b)	<.10	(b)	(b)	(b)
14:45	<.10	(b)	<.10	(b)	(b)	(b)
15:00	<.10	(b)	<.10	(b)	(b)	(b)
15:15	<.10	(b)	<.10	(b)	(b)	(b)
15:30	<.10	(b)	<.10	(b)	(b)	(b)
15:45	<.10	(b)	<.10	(b)	(b)	(b)
16:00	(c)	(b)	(c)	(b)	(b)	(b)
16:15	(c)	(b)	(c)	(b)	(b)	(b)
16:30	(c)	(b)	(c)	(b)	(b)	(b)
16:45	(c)	(b)	(c)	(b)	(b)	(b)
17:00	(c)	(b)	(c)	(b)	(b)	(b)
17:15	(c)	(b)	(c)	(b)	(b)	(b)
17:30	(c)	(b)	(c)	(b)	(b)	(b)
17:45	(c)	(b)	(c)	(b)	(b)	(b)
18:00	(c)	(b)	(c)	(b)	(b)	(b)
18:15	(c)	(b)	(c)	(b)	(b)	(b)
18:30	(c)	(b)	(c)	(b)	(b)	(b)
Daily Average	**.05(e)**	**-**	**.05(e)**	**.05(e)**	**-**	**-**
Sampler Start Time	**7:45 AM**	-	**8:15 AM**	**7:45 AM**	-	-
Sampler End Time	**3:45 PM**	-	**3:45 PM**	**2:00 PM**	-	-

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for values reported less than a value (i.e., 1 ppm = 0.5 ppm).

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill/Lagoon 5 - Particulate Matter

Week of July 26 - July 31, 2004

	Particulate Matter (ug/m^3)					
	July 26, 2004	**July 27, 2004**	**July 28, 2004**	**July 29, 2004**	**July 30, 2004**	**July 31, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(b)	(a)	(a)	(b)	(b)
6:15	(a)	(b)	(a)	(a)	(b)	(b)
6:30	(a)	(b)	(a)	(a)	(b)	(b)
6:45	(a)	(b)	(a)	(a)	(b)	(b)
7:00	(a)	(b)	(a)	(a)	(b)	(b)
7:15	(a)	(b)	(a)	(a)	(b)	(b)
7:30	(a)	(b)	(a)	(a)	(b)	(b)
7:45	4.0	(b)	(a)	0.0	(b)	(b)
8:00	0.0	(b)	(a)	(b)	(b)	(b)
8:15	0.0	(b)	0.0	(b)	(b)	(b)
8:30	8.0	(b)	0.0	(b)	(b)	(b)
8:45	9.0	(b)	0.0	(b)	(b)	(b)
9:00	11.0	(b)	0.0	0.0	(b)	(b)
9:15	8.0	(b)	0.0	(b)	(b)	(b)
9:30	4.0	(b)	0.0	(b)	(b)	(b)
9:45	4.0	(b)	0.0	(b)	(b)	(b)
10:00	16.0	(b)	0.0	(b)	(b)	(b)
10:15	11.0	(b)	0.0	4.0	(b)	(b)
10:30	8.0	(b)	0.0	(b)	(b)	(b)
10:45	8.0	(b)	0.0	(b)	(b)	(b)
11:00	11.0	(b)	0.0	(b)	(b)	(b)
11:15	14.0	(b)	0.0	8.0	(b)	(b)
11:30	11.0	(b)	0.0	(b)	(b)	(b)
11:45	16.0	(b)	0.0	(b)	(b)	(b)
12:00	14.0	(b)	0.0	0.0	(b)	(b)
12:15	11.0	(b)	0.0	(b)	(b)	(b)
12:30	16.0	(b)	0.0	(b)	(b)	(b)
12:45	24.0	(b)	0.0	(b)	(b)	(b)
13:00	11.0	(b)	0.0	(b)	(b)	(b)
13:15	8.0	(b)	0.0	11.0	(b)	(b)
13:30	11.0	(b)	0.0	(b)	(b)	(b)
13:45	11.0	(b)	0.0	(b)	(b)	(b)
14:00	9.0	(b)	0.0	4.0	(b)	(b)
14:15	9.0	(b)	0.0	(b)	(b)	(b)
14:30	9.0	(b)	0.0	(b)	(b)	(b)
14:45	11.0	(b)	0.0	(b)	(b)	(b)
15:00	16.0	(b)	0.0	(b)	(b)	(b)
15:15	11.0	(b)	0.0	(b)	(b)	(b)
15:30	4.0	(b)	0.0	(b)	(b)	(b)
15:45	7.0	(b)	0.0	(b)	(b)	(b)
16:00	(c)	(b)	(c)	(b)	(b)	(b)
16:15	(c)	(b)	(c)	(b)	(b)	(b)
16:30	(c)	(b)	(c)	(b)	(b)	(b)
16:45	(c)	(b)	(c)	(b)	(b)	(b)
17:00	(c)	(b)	(c)	(b)	(b)	(b)
17:15	(c)	(b)	(c)	(b)	(b)	(b)
17:30	(c)	(b)	(c)	(b)	(b)	(b)
17:45	(c)	(b)	(c)	(b)	(b)	(b)
18:00	(c)	(b)	(c)	(b)	(b)	(b)
18:15	(c)	(b)	(c)	(b)	(b)	(b)
18:30	(c)	(b)	(c)	(b)	(b)	(b)
Daily Average	**9.8**	**-**	**0.0**	**3.9**	**-**	**-**
Sampler Start Time	**7:45 AM**	-	**8:15 AM**	**7:45 AM**	-	-
Sampler End Time	**3:45 PM**	-	**3:45 PM**	**2:00 PM**	-	-

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Landfill - Hydrogen Sulfide

Week of May 31 - June 4, 2004

	Hydrogen Sulfide (ppm)				
	May 31, 2004	**June 1, 2004**	**June 2, 2004**	**June 3, 2004**	**June 4, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(b)	(a)	(a)	(a)	(a)
6:15	(b)	(a)	(a)	(a)	(a)
6:30	(b)	(a)	(a)	(a)	(a)
6:45	(b)	(a)	(a)	(a)	(a)
7:00	(b)	(a)	(a)	(a)	(a)
7:15	(b)	(a)	(a)	(a)	(a)
7:30	(b)	(a)	(a)	(a)	(a)
7:45	(b)	(a)	(a)	(a)	(a)
8:00	(b)	(a)	(a)	0.0	(a)
8:15	(b)	(a)	0.0	0.0	0.0
8:30	(b)	(a)	0.0	0.0	0.0
8:45	(b)	(a)	0.0	0.0	0.0
9:00	(b)	(a)	0.0	0.0	0.0
9:15	(b)	(a)	0.0	(b)	(b)
9:30	(b)	0.0	(b)	(b)	(b)
9:45	(b)	0.0	(b)	0.0	0.0
10:00	(b)	0.0	0.0	0.0	0.0
10:15	(b)	0.0	0.0	0.0	0.0
10:30	(b)	0.0	0.0	0.0	0.0
10:45	(b)	(b)	0.0	(b)	0.0
11:00	(b)	(b)	0.0	(b)	0.0
11:15	(b)	0.0	0.0	(b)	0.0
11:30	(b)	0.0	0.0	0.0	0.0
11:45	(b)	0.0	0.0	0.0	0.0
12:00	(b)	(b)	(b)	0.0	0.0
12:15	(b)	(b)	(b)	(b)	(b)
12:30	(b)	(b)	(b)	(b)	(b)
12:45	(b)	0.0	(b)	0.0	0.0
13:00	(b)	0.0	0.0	0.0	0.0
13:15	(b)	0.0	0.0	0.0	0.0
13:30	(b)	0.0	0.0	0.0	0.0
13:45	(b)	0.0	0.0	0.0	0.0
14:00	(b)	0.0	0.0	0.0	0.0
14:15	(b)	0.0	0.0	0.0	0.0
14:30	(b)	0.0	0.0	0.0	0.0
14:45	(b)	(c)	(c)	0.0	(c)
15:00	(b)	(c)	(c)	0.0	(c)
15:15	(b)	(c)	(c)	(c)	(c)
15:30	(b)	(c)	(c)	(c)	(c)
15:45	(b)	(c)	(c)	(c)	(c)
16:00	(b)	(c)	(c)	(c)	(c)
16:15	(b)	(c)	(c)	(c)	(c)
16:30	(b)	(c)	(c)	(c)	(c)
16:45	(b)	(c)	(c)	(c)	(c)
17:00	(b)	(c)	(c)	(c)	(c)
17:15	(b)	(c)	(c)	(c)	(c)
17:30	(b)	(c)	(c)	(c)	(c)
17:45	(b)	(c)	(c)	(c)	(c)
18:00	(b)	(c)	(c)	(c)	(c)
18:15	(b)	(c)	(c)	(c)	(c)
18:30	(b)	(c)	(c)	(c)	(c)
Daily Average	**-**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	-	9:30 AM	8:15 AM	8:00 AM	8:15 AM
Sampler End Time	-	2:30 PM	2:30 PM	3:00 PM	2:30 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill - VOC

Week of May 31 - June 4, 2004

	VOC (ppm)				
	May 31, 2004	**June 1, 2004**	**June 2, 2004**	**June 3, 2004**	**June 4, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(b)	(a)	(a)	(a)	(a)
6:15	(b)	(a)	(a)	(a)	(a)
6:30	(b)	(a)	(a)	(a)	(a)
6:45	(b)	(a)	(a)	(a)	(a)
7:00	(b)	(a)	(a)	(a)	(a)
7:15	(b)	(a)	(a)	(a)	(a)
7:30	(b)	(a)	(a)	(a)	(a)
7:45	(b)	(a)	(a)	(a)	(a)
8:00	(b)	(a)	(a)	<1	(a)
8:15	(b)	(a)	<1	<1	<1
8:30	(b)	(a)	<1	<1	<1
8:45	(b)	(a)	<1	<1	<1
9:00	(b)	(a)	<1	<1	<1
9:15	(b)	(a)	<1	(b)	(b)
9:30	(b)	<1	(b)	(b)	(b)
9:45	(b)	<1	(b)	<1	<1
10:00	(b)	<1	<1	<1	<1
10:15	(b)	<1	<1	<1	<1
10:30	(b)	<1	<1	<1	<1
10:45	(b)	(b)	<1	(b)	<1
11:00	(b)	(b)	<1	(b)	<1
11:15	(b)	<1	<1	(b)	<1
11:30	(b)	<1	<1	<1	<1
11:45	(b)	<1	<1	<1	<1
12:00	(b)	(b)	(b)	<1	<1
12:15	(b)	(b)	(b)	(b)	(b)
12:30	(b)	(b)	(b)	(b)	(b)
12:45	(b)	<1	(b)	<1	<1
13:00	(b)	<1	<1	<1	<1
13:15	(b)	<1	<1	<1	<1
13:30	(b)	<1	<1	<1	<1
13:45	(b)	<1	<1	<1	<1
14:00	(b)	<1	<1	<1	<1
14:15	(b)	<1	<1	<1	<1
14:30	(b)	<1	<1	<1	<1
14:45	(b)	(c)	(c)	<1	(c)
15:00	(b)	(c)	(c)	<1	(c)
15:15	(b)	(c)	(c)	(c)	(c)
15:30	(b)	(c)	(c)	(c)	(c)
15:45	(b)	(c)	(c)	(c)	(c)
16:00	(b)	(c)	(c)	(c)	(c)
16:15	(b)	(c)	(c)	(c)	(c)
16:30	(b)	(c)	(c)	(c)	(c)
16:45	(b)	(c)	(c)	(c)	(c)
17:00	(b)	(c)	(c)	(c)	(c)
17:15	(b)	(c)	(c)	(c)	(c)
17:30	(b)	(c)	(c)	(c)	(c)
17:45	(b)	(c)	(c)	(c)	(c)
18:00	(b)	(c)	(c)	(c)	(c)
18:15	(b)	(c)	(c)	(c)	(c)
18:30	(b)	(c)	(c)	(c)	(c)
Daily Average	**0.0**	**<1**	**<1**	**<1**	**<1**
Sampler Start Time	-	9:30 AM	8:15 AM	8:00 AM	8:15 AM
Sampler End Time	-	2:30 PM	2:30 PM	3:00 PM	2:30 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for <1 ppm (0.5 ppm).

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill - Particulate Matter

Week of May 31 - June 4, 2004

	Particulate Matter (ug/m^3)				
	May 31, 2004	**June 1, 2004**	**June 2, 2004**	**June 3, 2004**	**June 4, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(b)	(a)	(a)	(a)	(a)
6:15	(b)	(a)	(a)	(a)	(a)
6:30	(b)	(a)	(a)	(a)	(a)
6:45	(b)	(a)	(a)	(a)	(a)
7:00	(b)	(a)	(a)	(a)	(a)
7:15	(b)	(a)	(a)	(a)	(a)
7:30	(b)	(a)	(a)	(a)	(a)
7:45	(b)	(a)	(a)	(a)	(a)
8:00	(b)	(a)	(a)	20.0	(a)
8:15	(b)	(a)	0.0	18.0	38.0
8:30	(b)	(a)	0.0	21.0	20.0
8:45	(b)	(a)	0.0	20.0	27.0
9:00	(b)	(a)	0.0	21.0	31.0
9:15	(b)	(a)	0.0	(b)	(b)
9:30	(b)	0.0	(b)	(b)	(b)
9:45	(b)	0.0	(b)	30.0	38.0
10:00	(b)	0.0	0.0	0.0	38.0
10:15	(b)	0.0	0.0	12.0	34.0
10:30	(b)	0.0	0.0	14.0	0.0
10:45	(b)	(b)	0.0	(b)	0.0
11:00	(b)	(b)	0.0	(b)	27.0
11:15	(b)	0.0	0.0	(b)	34.0
11:30	(b)	0.0	0.0	23.0	29.0
11:45	(b)	0.0	0.0	27.0	31.0
12:00	(b)	(b)	(b)	25.0	27.0
12:15	(b)	(b)	(b)	(b)	(b)
12:30	(b)	(b)	(b)	(b)	(b)
12:45	(b)	0.0	(b)	25.0	6.0
13:00	(b)	0.0	0.0	106.0	17.0
13:15	(b)	0.0	24.0	108.0	23.0
13:30	(b)	23.0	12.0	122.0	21.0
13:45	(b)	18.0	0.0	119.0	25.0
14:00	(b)	0.0	31.0	115.0	21.0
14:15	(b)	0.0	19.0	23.0	23.0
14:30	(b)	0.0	23.0	12.0	23.0
14:45	(b)	(c)	(c)	16.0	(c)
15:00	(b)	(c)	(c)	0.0	(c)
15:15	(b)	(c)	(c)	(c)	(c)
15:30	(b)	(c)	(c)	(c)	(c)
15:45	(b)	(c)	(c)	(c)	(c)
16:00	(b)	(c)	(c)	(c)	(c)
16:15	(b)	(c)	(c)	(c)	(c)
16:30	(b)	(c)	(c)	(c)	(c)
16:45	(b)	(c)	(c)	(c)	(c)
17:00	(b)	(c)	(c)	(c)	(c)
17:15	(b)	(c)	(c)	(c)	(c)
17:30	(b)	(c)	(c)	(c)	(c)
17:45	(b)	(c)	(c)	(c)	(c)
18:00	(b)	(c)	(c)	(c)	(c)
18:15	(b)	(c)	(c)	(c)	(c)
18:30	(b)	(c)	(c)	(c)	(c)
Daily Average	**-**	**2.6**	**5.5**	**39.9**	**24.2**
Sampler Start Time	-	9:30 AM	8:15 AM	8:00 AM	8:15 AM
Sampler End Time	-	2:30 PM	2:30 PM	3:00 PM	2:30 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Landfill - Hydrogen Sulfide

Week of June 7 - June 11, 2004

	Hydrogen Sulfide (ppm)				
	June 7, 2004	**June 8, 2004**	**June 9, 2004**	**June 10, 2004**	**June 11, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)
7:30	0.0	(a)	(a)	(a)	(a)
7:45	0.0	0.0	0.0	(a)	0.0
8:00	0.0	0.0	0.0	0.0	0.0
8:15	0.0	0.0	0.0	0.0	0.0
8:30	0.0	0.0	0.0	0.0	0.0
8:45	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0
9:15	0.0	(b)	0.0	0.0	0.0
9:30	0.0	(b)	(b)	0.0	(b)
9:45	(b)	0.0	(b)	0.0	0.0
10:00	0.0	0.0	0.0	0.0	0.0
10:15	0.0	0.0	0.0	0.0	0.0
10:30	0.0	0.0	0.0	0.0	0.0
10:45	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0
11:15	0.0	0.0	0.0	0.0	0.0
11:30	0.0	0.0	0.0	0.0	0.0
11:45	(b)	0.0	0.0	0.0	0.0
12:00	(b)	0.0	0.0	0.0	0.0
12:15	(b)	(b)	0.0	(b)	(b)
12:30	0.0	(b)	0.0	(b)	(b)
12:45	0.0	(b)	0.0	0.0	0.0
13:00	0.0	0.0	0.0	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	0.0
13:45	0.0	0.0	0.0	0.0	0.0
14:00	(b)	0.0	0.0	0.0	(c)
14:15	(b)	0.0	0.0	0.0	(c)
14:30	(b)	0.0	0.0	0.0	(c)
14:45	(b)	0.0	0.0	0.0	(c)
15:00	(b)	0.0	0.0	0.0	(c)
15:15	(b)	0.0	0.0	0.0	(c)
15:30	(b)	0.0	0.0	0.0	(c)
15:45	(b)	0.0	(c)	0.0	(c)
16:00	(b)	(c)	(c)	0.0	(c)
16:15	0.0	(c)	(c)	(c)	(c)
16:30	0.0	(c)	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	7:30 AM	7:45 AM	7:45 AM	8:00 AM	7:45 AM
Sampler End Time	4:30 PM	3:45 PM	3:30 PM	4:00 PM	1:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill - VOC

Week of June 7 - June 11, 2004

	VOC (ppm)				
	June 7, 2004	**June 8, 2004**	**June 9, 2004**	**June 10, 2004**	**June 11, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)
7:30	<1	(a)	(a)	(a)	(a)
7:45	<1	<1	0.6-0.8	(a)	0.17-0.38
8:00	<1	<1	1.8-2.1	0.4-0.8	<1
8:15	<1	<1	1.8-2.2	<1	<1
8:30	<1	<1	0.6-0.8	<1	0.4-0.76
8:45	<1	<1	0.2-0.4	<1	<1
9:00	<1	<1	0.3-0.5	0.8-1.8	<1
9:15	<1	(b)	0.5-1.4	0.4-1.5	<1
9:30	<1	(b)	(b)	0.2-1.4	(b)
9:45	(b)	<1	(b)	<1	<1
10:00	<1	<1	0.4-1.5	<1	<1
10:15	<1	<1	0.2-1.8	<1	<1
10:30	<1	<1	0.4-0.9	<1	<1
10:45	<1	<1	0.4-1.2	<1	<1
11:00	<1	<1	0.3-1.4	<1	<1
11:15	<1	<1	0.2-1.5	0.3-2.0	0.2-1.2
11:30	<1	<1	0.4-1.8	0.3-1.8	0.2-1.5
11:45	(b)	<1	0.4-1.2	0.2-1.2	0.2-2.0
12:00	(b)	<1	0.2-1.8	0.2-1.2	<1
12:15	(b)	(b)	0.2-1.8	(b)	(b)
12:30	<1	(b)	0.3-1.2	(b)	(b)
12:45	<1	(b)	0.4-1.2	<1	0.8-1.6
13:00	<1	<1	0.2-1.8	<1	0.8-2.4
13:15	<1	<1	0.2-2.0	<1	0.8-3.1
13:30	<1	<1	0.2-1.8	<1	0.8-3.1
13:45	<1	<1	0.3-2.8	<1	0.8-3.1
14:00	(b)	<1	0.4-3.0	<1	(c)
14:15	(b)	<1	0.4-2.8	<1	(c)
14:30	(b)	<1	0.4-3.2	<1	(c)
14:45	(b)	<1	<1	<1	(c)
15:00	(b)	<1	0.4-2.2	<1	(c)
15:15	(b)	<1	0.2-1.2	0.1-1.2	(c)
15:30	(b)	<1	0.2-1.2	<1	(c)
15:45	(b)	<1	(c)	<1	(c)
16:00	(b)	(c)	(c)	<1	(c)
16:15	<1	(c)	(c)	(c)	(c)
16:30	<1	(c)	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**<1**	**<1**	**1.6 (e)**	**0.8 (e)**	**1.1 (e)**
Sampler Start Time	7:30 AM	7:45 AM	7:45 AM	8:00 AM	7:45 AM
Sampler End Time	4:30 PM	3:45 PM	3:30 PM	4:00 PM	1:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for <1 ppm (0.5 ppm).

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill - Particulate Matter

Week of June 7 - June 11, 2004

	Particulate Matter (ug/m^3)				
	June 7, 2004	**June 8, 2004**	**June 9, 2004**	**June 10, 2004**	**June 11, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)
7:30	0.0	(a)	(a)	(a)	(a)
7:45	18.0	0.0	27.0	(a)	7.0
8:00	18.0	27.0	38.0	2.0	7.0
8:15	24.0	25.0	40.0	6.0	9.0
8:30	27.0	42.0	40.0	2.0	12.0
8:45	27.0	45.0	21.0	6.0	18.0
9:00	37.0	28.0	43.0	8.0	21.0
9:15	35.0	(b)	45.0	10.0	17.0
9:30	25.0	(b)	(b)	6.0	(b)
9:45	(b)	35.0	(b)	4.0	18.0
10:00	4.0	22.0	37.0	8.0	28.0
10:15	18.0	22.0	39.0	6.0	20.0
10:30	16.0	37.0	35.0	8.0	26.0
10:45	13.0	32.0	39.0	6.0	32.0
11:00	30.0	37.0	31.0	8.0	19.0
11:15	18.0	35.0	39.0	10.0	21.0
11:30	13.0	27.0	33.0	4.0	17.0
11:45	(b)	30.0	22.0	12.0	23.0
12:00	(b)	24.0	41.0	10.0	21.0
12:15	(b)	(b)	37.0	(b)	(b)
12:30	26.0	(b)	29.0	(b)	(b)
12:45	24.0	(b)	28.0	6.0	7.0
13:00	18.0	18.0	36.0	8.0	14.0
13:15	26.0	26.0	24.0	10.0	10.0
13:30	24.0	28.0	28.0	8.0	6.0
13:45	28.0	18.0	30.0	6.0	8.0
14:00	(b)	24.0	33.0	12.0	(c)
14:15	(b)	29.0	42.0	14.0	(c)
14:30	(b)	33.0	26.0	6.0	(c)
14:45	(b)	28.0	24.0	13.0	(c)
15:00	(b)	24.0	28.0	11.0	(c)
15:15	(b)	28.0	31.0	7.0	(c)
15:30	(b)	33.0	29.0	5.0	(c)
15:45	(b)	18.0	(c)	3.0	(c)
16:00	(b)	(c)	(c)	9.0	(c)
16:15	24.0	(c)	(c)	(c)	(c)
16:30	21.0	(c)	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**21.4**	**27.7**	**33.2**	**7.5**	**16.4**
Sampler Start Time	7:30 AM	7:45 AM	7:45 AM	8:00 AM	7:45 AM
Sampler End Time	4:30 PM	3:45 PM	3:30 PM	4:00 PM	1:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Landfill - Hydrogen Sulfide

Week of June 14 - June 18, 2004

	Hydrogen Sulfide (ppm)				
	June 14, 2004	**June 15, 2004**	**June 16, 2004**	**June 17, 2004**	**June 18, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(b)
6:15	(a)	(a)	(a)	(a)	(b)
6:30	(a)	(a)	(a)	(a)	(b)
6:45	(a)	(a)	(a)	(a)	(b)
7:00	(a)	(a)	(a)	(a)	(b)
7:15	(a)	(a)	(a)	(a)	(b)
7:30	(a)	(a)	0.0	0.0	(b)
7:45	0.0	(a)	0.0	0.0	(b)
8:00	0.0	0.0	0.0	0.0	(b)
8:15	0.0	0.0	0.0	0.0	(b)
8:30	0.0	0.0	0.0	0.0	(b)
8:45	0.0	0.0	0.0	0.0	(b)
9:00	0.0	0.0	0.0	0.0	(b)
9:15	0.0	0.0	(b)	0.0	(b)
9:30	0.0	(b)	0.0	(b)	(b)
9:45	0.0	0.0	0.0	(b)	(b)
10:00	0.0	0.0	0.0	0.0	(b)
10:15	0.0	0.0	0.0	0.0	(b)
10:30	0.0	0.0	0.0	(b)	(b)
10:45	0.0	0.0	0.0	(b)	(b)
11:00	(b)	0.0	0.0	0.0	(b)
11:15	(b)	0.0	0.0	0.0	(b)
11:30	(b)	0.0	0.0	0.0	(b)
11:45	0.0	0.0	0.0	0.0	(b)
12:00	0.0	0.0	0.0	0.0	(b)
12:15	0.0	(b)	(b)	(b)	(b)
12:30	0.0	(b)	(b)	(b)	(b)
12:45	0.0	(b)	0.0	0.0	(b)
13:00	0.0	0.0	0.0	0.0	(b)
13:15	0.0	0.0	(b)	0.0	(b)
13:30	0.0	0.0	(b)	0.0	(b)
13:45	0.0	0.0	0.0	0.0	(b)
14:00	0.0	0.0	0.0	0.0	(b)
14:15	0.0	0.0	0.0	0.0	(b)
14:30	0.0	0.0	0.0	0.0	(b)
14:45	0.0	0.0	0.0	0.0	(b)
15:00	0.0	0.0	0.0	0.0	(b)
15:15	0.0	0.0	0.0	0.0	(b)
15:30	0.0	0.0	0.0	0.0	(b)
15:45	0.0	0.0	0.0	0.0	(b)
16:00	0.0	0.0	0.0	0.0	(b)
16:15	0.0	0.0	(c)	0.0	(b)
16:30	(c)	(c)	(c)	0.0	(b)
16:45	(c)	(c)	(c)	(c)	(b)
17:00	(c)	(c)	(c)	(c)	(b)
17:15	(c)	(c)	(c)	(c)	(b)
17:30	(c)	(c)	(c)	(c)	(b)
17:45	(c)	(c)	(c)	(c)	(b)
18:00	(c)	(c)	(c)	(c)	(b)
18:15	(c)	(c)	(c)	(c)	(b)
18:30	(c)	(c)	(c)	(c)	(b)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**-**
Sampler Start Time	7:45 AM	8:00 AM	7:30 AM	7:30 AM	-
Sampler End Time	4:15 PM	4:15 PM	4:00 PM	4:30 PM	-

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill - VOC

Week of June 14 - June 18, 2004

	VOC (ppm)				
	June 14, 2004	**June 15, 2004**	**June 16, 2004**	**June 17, 2004**	**June 18, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(b)
6:15	(a)	(a)	(a)	(a)	(b)
6:30	(a)	(a)	(a)	(a)	(b)
6:45	(a)	(a)	(a)	(a)	(b)
7:00	(a)	(a)	(a)	(a)	(b)
7:15	(a)	(a)	(a)	(a)	(b)
7:30	(a)	(a)	<1	<1	(b)
7:45	<1	(a)	<1	<1	(b)
8:00	<1	<1	<1	<1	(b)
8:15	<1	<1	<1	<1	(b)
8:30	<1	<1	1.2-2.3	<1	(b)
8:45	<1	<1	1.5-2.6	<1	(b)
9:00	<1	<1	<1	<1	(b)
9:15	<1	<1	(b)	<1	(b)
9:30	<1	(b)	2.1-3.4	(b)	(b)
9:45	<1	<1	0.34-1.2	(b)	(b)
10:00	<1	<1	0.26-1.4	<1	(b)
10:15	<1	<1	1.5-2.0	<1	(b)
10:30	<1	0.2-1.4	1.5-3.0	(b)	(b)
10:45	<1	0.2-1.2	0.8-2.5	(b)	(b)
11:00	(b)	0.2-1.5	0.5-3.5	<1	(b)
11:15	(b)	<1	0.5-3.0	0.8-1.6	(b)
11:30	(b)	0.2-1.8	0.5-4.0	0.6-1.2	(b)
11:45	<1	0.1-1.4	0.5-2.4	<1	(b)
12:00	<1	0.1-1.8	0.5-3.1	<1	(b)
12:15	<1	(b)	(b)	(b)	(b)
12:30	<1	(b)	(b)	(b)	(b)
12:45	<1	(b)	0.4-1.9	<1	(b)
13:00	<1	<1	0.6-8.4	<1	(b)
13:15	<1	<1	(b)	<1	(b)
13:30	<1	<1	(b)	0.4-2.2	(b)
13:45	<1	<1	1.0-1.8	2.0-4.8	(b)
14:00	<1	<1	1.0-6.5	2.0-5.6	(b)
14:15	<1	<1	1.0-4.4	0.8-4.1	(b)
14:30	<1	<1	1.9-2.6	1.4-1.8	(b)
14:45	<1	<1	(b)	1.4-1.8	(b)
15:00	<1	<1	(b)	0.8-1.6	(b)
15:15	<1	<1	(b)	0.6-1.0	(b)
15:30	<1	<1	<1	2.5-2.8	(b)
15:45	<1	<1	<1	2.1-2.8	(b)
16:00	<1	<1	<1	1.6-2.4	(b)
16:15	<1	<1	(c)	2.1-3.8	(b)
16:30	(c)	(c)	(c)	1.6-2.1	(b)
16:45	(c)	(c)	(c)	(c)	(b)
17:00	(c)	(c)	(c)	(c)	(b)
17:15	(c)	(c)	(c)	(c)	(b)
17:30	(c)	(c)	(c)	(c)	(b)
17:45	(c)	(c)	(c)	(c)	(b)
18:00	(c)	(c)	(c)	(c)	(b)
18:15	(c)	(c)	(c)	(c)	(b)
18:30	(c)	(c)	(c)	(c)	(b)
Daily Average	**<1**	**0.7(e)**	**2.4 (e)**	**1.5 (e)**	**-**
Sampler Start Time	7:45 AM	8:00 AM	7:30 AM	7:30 AM	-
Sampler End Time	4:15 PM	4:15 PM	4:00 PM	4:30 PM	-

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for <1 ppm (0.5 ppm).

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill - Particulate Matter

Week of June 14 - June 18, 2004

	Particulate Matter (ug/m^3)				
	June 14, 2004	**June 15, 2004**	**June 16, 2004**	**June 17, 2004**	**June 18, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(b)
6:15	(a)	(a)	(a)	(a)	(b)
6:30	(a)	(a)	(a)	(a)	(b)
6:45	(a)	(a)	(a)	(a)	(b)
7:00	(a)	(a)	(a)	(a)	(b)
7:15	(a)	(a)	(a)	(a)	(b)
7:30	(a)	(a)	5.0	0.0	(b)
7:45	10.0	(a)	7.0	0.0	(b)
8:00	8.0	12.0	20.0	0.0	(b)
8:15	14.0	16.0	9.0	3.0	(b)
8:30	12.0	17.0	5.0	5.0	(b)
8:45	15.0	34.0	7.0	0.0	(b)
9:00	12.0	28.0	31.0	0.0	(b)
9:15	14.0	32.0	(b)	0.0	(b)
9:30	26.0	(b)	12.0	(b)	(b)
9:45	14.0	36.0	2.0	(b)	(b)
10:00	18.0	28.0	4.0	0.0	(b)
10:15	24.0	32.0	6.0	10.0	(b)
10:30	24.0	22.0	9.0	(b)	(b)
10:45	30.0	35.0	12.0	(b)	(b)
11:00	(b)	33.0	16.0	5.0	(b)
11:15	(b)	14.0	4.0	4.0	(b)
11:30	(b)	24.0	36.0	4.0	(b)
11:45	18.0	38.0	2.0	6.0	(b)
12:00	28.0	34.0	12.0	0.0	(b)
12:15	31.0	(b)	(b)	(b)	(b)
12:30	14.0	(b)	(b)	(b)	(b)
12:45	5.0	(b)	0.0	0.0	(b)
13:00	16.0	12.0	4.0	0.0	(b)
13:15	9.0	18.0	(b)	0.0	(b)
13:30	5.0	18.0	(b)	0.0	(b)
13:45	3.0	24.0	8.0	0.0	(b)
14:00	5.0	16.0	12.0	0.0	(b)
14:15	14.0	14.0	1.0	0.0	(b)
14:30	33.0	11.0	8.0	4.0	(b)
14:45	26.0	0.0	6.0	6.0	(b)
15:00	9.0	0.0	12.0	0.0	(b)
15:15	15.0	20.0	12.0	0.0	(b)
15:30	13.0	18.0	14.0	0.0	(b)
15:45	9.0	0.0	6.0	0.0	(b)
16:00	16.0	10.0	16.0	0.0	(b)
16:15	13.0	8.0	(c)	0.0	(b)
16:30	(c)	(c)	(c)	0.0	(b)
16:45	(c)	(c)	(c)	(c)	(b)
17:00	(c)	(c)	(c)	(c)	(b)
17:15	(c)	(c)	(c)	(c)	(b)
17:30	(c)	(c)	(c)	(c)	(b)
17:45	(c)	(c)	(c)	(c)	(b)
18:00	(c)	(c)	(c)	(c)	(b)
18:15	(c)	(c)	(c)	(c)	(b)
18:30	(c)	(c)	(c)	(c)	(b)
Daily Average	**15.7**	**20.1**	**9.9**	**1.5**	**-**
Sampler Start Time	7:45 AM	8:00 AM	7:30 AM	7:30 AM	-
Sampler End Time	4:15 PM	4:15 PM	4:00 PM	4:30 PM	-

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:
(a) Monitoring was initiated after this point for the day.
(b) Work was not performed
(c) Monitoring was complete at this point for the day.
(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Landfill - Hydrogen Sulfide

Week of June 21 - June 25, 2004

	Hydrogen Sulfide (ppm)				
	June 21, 2004	**June 22, 2004**	**June 23, 2004**	**June 24, 2004**	**June 25, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)
7:30	0.0	(a)	(a)	(a)	(a)
7:45	0.0	(a)	0.0	(a)	(a)
8:00	0.0	0.0	0.0	0.0	0.0
8:15	0.0	0.0	0.0	0.0	0.0
8:30	0.0	0.0	0.0	0.0	0.0
8:45	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0
9:15	0.0	0.0	0.0	(b)	0.0
9:30	0.0	0.0	0.0	(b)	0.0
9:45	(b)	0.0	0.0	0.0	0.0
10:00	(b)	0.0	0.0	0.0	0.0
10:15	0.0	0.0	(b)	0.0	0.0
10:30	0.0	0.0	0.0	(b)	0.0
10:45	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0
11:15	0.0	0.0	0.0	0.0	0.0
11:30	0.0	0.0	0.0	0.0	0.0
11:45	0.0	0.0	0.0	0.0	0.0
12:00	(b)	0.0	0.0	0.0	0.0
12:15	(b)	0.0	0.0	0.0	(b)
12:30	(b)	0.0	0.0	0.0	(b)
12:45	(b)	(b)	0.0	0.0	0.0
13:00	(b)	0.0	(b)	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	0.0
13:45	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0
14:15	0.0	0.0	0.0	0.0	0.0
14:30	0.0	0.0	0.0	0.0	0.0
14:45	0.0	0.0	0.0	0.0	0.0
15:00	0.0	0.0	0.0	0.0	0.0
15:15	0.0	0.0	0.0	0.0	0.0
15:30	0.0	0.0	0.0	0.0	0.0
15:45	0.0	(c)	0.0	0.0	0.0
16:00	0.0	(c)	0.0	0.0	0.0
16:15	0.0	(c)	(c)	(c)	0.0
16:30	0.0	(c)	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	7:30 AM	8:00 AM	7:45 AM	8:00 AM	8:00 AM
Sampler End Time	4:30 PM	3:30 PM	4:00 PM	4:00 PM	4:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill - VOC

Week of June 21 - June 25, 2004

	VOC (ppm)				
	June 21, 2004	**June 22, 2004**	**June 23, 2004**	**June 24, 2004**	**June 25, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)
7:30	0.28-0.9	(a)	(a)	(a)	<1
7:45	<1	(a)	<1	(a)	<1
8:00	<1	<1	<1	0.35 - 8.0	<1
8:15	<1	<1	<1	0.35-8.5	<1
8:30	<1	<1	<1	0.35-8.5	<1
8:45	<1	<1	<1	<1	<1
9:00	<1	<1	<1	<1	<1
9:15	<1	<1	<1	(b)	<1
9:30	<1	<1	<1	(b)	<1
9:45	(b)	<1	<1	<1	<1
10:00	(b)	<1	<1	<1	<1
10:15	<1	(f)	(b)	<1	<1
10:30	<1	(f)	<1	(b)	<1
10:45	<1	<1	<1	<1	<1
11:00	<1	<1	<1	<1	<1
11:15	<1	<1	<1	<1	<1
11:30	<1	<1	<1	<1	<1
11:45	<1	<1	<1	<1	<1
12:00	(b)	<1	<1	<1	<1
12:15	(b)	<1	<1	<1	(b)
12:30	(b)	<1	<1	<1	(b)
12:45	(b)	(b)	<1	<1	<1
13:00	(b)	<1	(b)	<1	<1
13:15	<1	<1	<1	<1	<1
13:30	<1	<1	<1	<1	<1
13:45	<1	<1	<1	<1	<1
14:00	<1	<1	<1	<1	0.30-1.8
14:15	<1	<1	<1	<1	0.20-1.5
14:30	<1	<1	<1	<1	0.20-1.8
14:45	<1	<1	<1	<1	0.30-1.5
15:00	<1	<1	<1	<1	0.20-1.2
15:15	<1	<1	<1	<1	0.30-1.5
15:30	<1	<1	<1	<1	<1
15:45	<1	(c)	<1	<1	<1
16:00	<1	(c)	<1	<1	<1
16:15	<1	(c)	(c)	(c)	<1
16:30	<1	(c)	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.5(e)**	**0.5(e)**	**<1**	**1.3 (e)**	**0.7(e)**
Sampler Start Time	7:30 AM	8:00 AM	7:45 AM	8:00 AM	8:00 AM
Sampler End Time	4:30 PM	3:30 PM	4:00 PM	4:00 PM	4:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for <1 ppm (0.5 ppm).

(f) Instrument was being serviced.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill - Particulate Matter

Week of June 21 - June 25, 2004

	Particulate Matter (ug/m^3)				
	June 21, 2004	**June 22, 2004**	**June 23, 2004**	**June 24, 2004**	**June 25, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)
7:30	0.0	(a)	(a)	(a)	(a)
7:45	0.0	(a)	8.0	(a)	(a)
8:00	1.0	0.0	8.0	16.0	21.0
8:15	4.0	0.0	4.0	14.0	18.0
8:30	0.0	4.0	2.0	10.0	4.0
8:45	0.0	8.0	4.0	10.0	14.0
9:00	0.0	4.0	12.0	21.0	28.0
9:15	0.0	23.0	0.0	(b)	8.0
9:30	1.0	25.0	2.0	(b)	4.0
9:45	(b)	23.0	2.0	12.0	9.0
10:00	(b)	23.0	4.0	4.0	16.0
10:15	4.0	27.0	(b)	8.0	1.0
10:30	0.0	27.0	2.0	(b)	1.0
10:45	6.0	22.0	17.0	10.0	1.0
11:00	2.0	22.0	8.0	14.0	16.0
11:15	0.0	21.0	0.0	14.0	4.0
11:30	0.0	27.0	6.0	5.0	5.0
11:45	2.0	34.0	12.0	3.0	4.0
12:00	(b)	36.0	4.0	0.0	1.0
12:15	(b)	36.0	4.0	8.0	(b)
12:30	(b)	34.0	4.0	12.0	(b)
12:45	(b)	(b)	7.0	8.0	4.0
13:00	(b)	31.0	(b)	16.0	15.0
13:15	0.0	18.0	9.0	16.0	10.0
13:30	6.0	21.0	11.0	4.0	3.0
13:45	0.0	18.0	9.0	11.0	2.0
14:00	0.0	26.0	9.0	14.0	4.0
14:15	2.0	28.0	14.0	14.0	9.0
14:30	12.0	18.0	24.0	8.0	3.0
14:45	8.0	23.0	18.0	14.0	5.0
15:00	4.0	21.0	11.0	18.0	8.0
15:15	4.0	18.0	11.0	18.0	16.0
15:30	4.0	26.0	14.0	14.0	5.0
15:45	0.0	(c)	11.0	11.0	4.0
16:00	0.0	(c)	9.0	15.0	2.0
16:15	0.0	(c)	(c)	(c)	2.0
16:30	0.0	(c)	(c)	(c)	(c)
16:45	(c)	(c)	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**2.0**	**21.5**	**8.1**	**11.4**	**7.7**
Sampler Start Time	7:30 AM	8:00 AM	7:45 AM	8:00 AM	8:00 AM
Sampler End Time	4:30 PM	3:30 PM	4:00 PM	4:00 PM	4:15 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Landfill - Hydrogen Sulfide

Week of June 28 - July 2, 2004

	Hydrogen Sulfide (ppm)				
	June 28, 2004	**June 29, 2004**	**June 30, 2004**	**July 1, 2004**	**July 2, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	0.0	(a)
7:30	(a)	0.0	(a)	0.0	0.0
7:45	(a)	0.0	0.0	0.0	0.0
8:00	(a)	(b)	0.0	0.0	0.0
8:15	0.0	(b)	0.0	0.0	0.0
8:30	0.0	(b)	0.0	0.0	0.0
8:45	(b)	(b)	0.0	0.0	0.0
9:00	(b)	0.0	0.0	0.0	0.0
9:15	0.0	0.0	0.0	0.0	0.0
9:30	0.0	0.0	0.0	0.0	0.0
9:45	0.0	0.0	0.0	0.0	0.0
10:00	0.0	0.0	0.0	0.0	0.0
10:15	0.0	0.0	0.0	0.0	0.0
10:30	0.0	0.0	0.0	0.0	0.0
10:45	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0
11:15	0.0	0.0	0.0	0.0	0.0
11:30	0.0	0.0	0.0	0.0	0.0
11:45	0.0	0.0	0.0	0.0	0.0
12:00	0.0	0.0	0.0	0.0	0.0
12:15	0.0	0.0	0.0	(b)	(b)
12:30	0.0	0.0	0.0	(b)	(b)
12:45	0.0	0.0	0.0	0.0	0.0
13:00	0.0	0.0	0.0	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	0.0
13:45	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0
14:15	0.0	0.0	0.0	0.0	0.0
14:30	0.0	0.0	0.0	0.0	0.0
14:45	0.0	0.0	0.0	0.0	(c)
15:00	0.0	0.0	0.0	0.0	(c)
15:15	0.0	0.0	0.0	0.0	(c)
15:30	0.0	0.0	0.0	0.0	(c)
15:45	0.0	0.0	0.0	0.0	(c)
16:00	0.0	0.0	0.0	0.0	(c)
16:15	0.0	0.0	0.0	0.0	(c)
16:30	(c)	0.0	(c)	(c)	(c)
16:45	(c)	0.0	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	8:15 AM	7:30 AM	7:45 AM	7:15 AM	7:30 AM
Sampler End Time	4:15 PM	4:45 PM	4:15 PM	4:15 PM	2:30 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill - VOC

Week of June 28 - July 2, 2004

	VOC (ppm)				
	June 28, 2004	**June 29, 2004**	**June 30, 2004**	**July 1, 2004**	**July 2, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	<1	(a)
7:30	(a)	<1	(a)	<1	<8
7:45	(a)	<1	<1	<1	<8
8:00	(a)	(b)	<1	<1	<8
8:15	<1	(b)	<1	2.0-8.0	<8
8:30	<1	(b)	<1	<8	<8
8:45	(b)	(b)	<1	<8	<8
9:00	(b)	<1	1.8-6.4	<8	<8
9:15	<1	<1	1.4-8.0	<8	<8
9:30	<1	<1	<1	<8	<8
9:45	0.8-1.2	<1	<1	<8	<8
10:00	<1	<1	<1	<8	<8
10:15	<1	<1	<1	<8	<8
10:30	<1	<1	<1	<8	<8
10:45	<1	<1	0.5-1.8	<8	<8
11:00	<1	<1	<1	<8	<8
11:15	<1	<1	<1	<8	<8
11:30	<1	<1	<1	<8	<8
11:45	<1	<1	<1	<8	<8
12:00	<1	<1	<1	<8	<8
12:15	<1	<1	<1	(b)	(b)
12:30	<1	<1	<1	(b)	(b)
12:45	<1	<1	<1	<8	<8
13:00	<1	<1	<1	<8	<8
13:15	<1	<1	<1	<8	<8
13:30	<1	<1	0.3-1.6	<8	<8
13:45	<1	<1	0.4-2.2	<8	<8
14:00	<1	<1	0.4-1.8	<8	<8
14:15	<1	<1	<1	<8	<8
14:30	<1	<1	<1	<8	<8
14:45	<1	<1	<1	<9	(c)
15:00	<1	<1	<1	<8	(c)
15:15	<1	<1	<1	<8	(c)
15:30	<1	<1	<1	<8	(c)
15:45	<1	<1	<1	<8	(c)
16:00	<1	<1	<1	<8	(c)
16:15	<1	<1	<1	<8	(c)
16:30	(c)	<1	(c)	(c)	(c)
16:45	(c)	<1	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.52 (e)**	**<1**	**1.0 (e)**	**3.7(e)**	**<8**
Sampler Start Time	8:15 AM	7:30 AM	7:45 AM	7:15 AM	7:30 AM
Sampler End Time	4:15 PM	4:45 PM	4:15 PM	4:15 PM	2:30 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for values given as less than a value (i.e. <1 ppm: 0.5 ppm; <8 ppm: 4.0 ppm)

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill - Particulate Matter

Week of June 28 - July 2, 2004

	Particulate Matter (ug/m^3)				
	June 28, 2004	**June 29, 2004**	**June 30, 2004**	**July 1, 2004**	**July 2, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	0.0	(a)
7:30	(a)	0.0	(a)	0.0	4 - 25
7:45	(a)	4.0	1.0	10.0	4 - 25
8:00	(a)	(b)	9.0	13.0	4 - 25
8:15	4.0	(b)	1.0	28.0	4 - 25
8:30	0.0	(b)	13.0	5.0	4 - 25
8:45	(b)	(b)	4.0	23.0	4 - 25
9:00	(b)	12.0	11.0	3.0	4 - 25
9:15	0.0	4.0	11.0	5.0	4 - 25
9:30	0.0	4.0	1.0	11.0	4 - 25
9:45	2.0	8.0	12.0	8.0	4 - 25
10:00	4.0	0.0	7.0	5.0	4 - 25
10:15	0.0	11.0	33.0	7.0	4 - 25
10:30	0.0	4.0	11.0	11.0	4 - 25
10:45	4.0	8.0	7.0	8.0	4 - 25
11:00	6.0	4.0	18.0	7.0	4 - 25
11:15	0.0	0.0	0.0	7.0	4 - 25
11:30	0.0	1.0	14.0	5.0	4 - 25
11:45	16.0	18.0	9.0	10.0	4 - 25
12:00	14.0	0.0	9.0	7.0	4 - 25
12:15	12.0	0.0	0.0	(b)	(b)
12:30	0.0	0.0	3.0	(b)	(b)
12:45	0.0	0.0	8.0	17.0	4 - 30
13:00	3.0	0.0	10.0	9.0	4 - 30
13:15	12.0	8.0	1.0	6.0	4 - 30
13:30	3.0	0.0	9.0	17.0	4 - 30
13:45	0.0	0.0	1.0	11.0	4 - 30
14:00	0.0	0.0	11.0	11.0	4 - 30
14:15	1.0	0.0	12.0	11.0	4 - 30
14:30	0.0	0.0	2.0	16.0	4 - 30
14:45	11.0	0.0	1.0	15.0	(c)
15:00	0.0	0.0	9.0	16.0	(c)
15:15	0.0	13.0	5.0	9.0	(c)
15:30	0.0	12.0	9.0	11.0	(c)
15:45	0.0	0.0	11.0	9.0	(c)
16:00	0.0	0.0	4.0	9.0	(c)
16:15	0.0	0.0	10.0	4.0	(c)
16:30	(c)	20.0	(c)	(c)	(c)
16:45	(c)	20.0	(c)	(c)	(c)
17:00	(c)	(c)	(c)	(c)	(c)
17:15	(c)	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)
Daily Average	**3.0**	**4.4**	**7.9**	**9.8**	**26.5 (e)**
Sampler Start Time	8:15 AM	7:30 AM	7:45 AM	7:15 AM	7:30 AM
Sampler End Time	4:15 PM	4:45 PM	4:15 PM	4:15 PM	2:30 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Landfill - Hydrogen Sulfide

Week of July 5 - July 9, 2004

	Hydrogen Sulfide (ppm)				
	July 5, 2004	**July 6, 2004**	**July 7, 2004**	**July 8, 2004**	**July 9, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(e)	(a)	(a)	(a)	(a)
6:15	(e)	(a)	(a)	(a)	(a)
6:30	(e)	(a)	(a)	(a)	(a)
6:45	(e)	(a)	(a)	(a)	(a)
7:00	(e)	0.0	(a)	(a)	(a)
7:15	(e)	0.0	0.0	0.0	(a)
7:30	(e)	0.0	0.0	0.0	(a)
7:45	(e)	0.0	0.0	0.0	0.0
8:00	(e)	0.0	0.0	0.0	0.0
8:15	(e)	0.0	0.0	0.0	0.0
8:30	(e)	0.0	0.0	0.0	0.0
8:45	(e)	0.0	0.0	0.0	0.0
9:00	(e)	0.0	0.0	0.0	0.0
9:15	(e)	0.0	0.0	(b)	0.0
9:30	(e)	0.0	(b)	(b)	(b)
9:45	(e)	0.0	0.0	0.0	0.0
10:00	(e)	0.0	0.0	0.0	0.0
10:15	(e)	0.0	0.0	0.0	0.0
10:30	(e)	0.0	0.0	0.0	0.0
10:45	(e)	0.0	0.0	0.0	0.0
11:00	(e)	0.0	0.0	0.0	0.0
11:15	(e)	0.0	0.0	0.0	0.0
11:30	(e)	0.0	0.0	0.0	0.0
11:45	(e)	0.0	0.0	0.0	0.0
12:00	(e)	0.0	0.0	0.0	0.0
12:15	(e)	0.0	0.0	(b)	(b)
12:30	(e)	0.0	0.0	(b)	(b)
12:45	(e)	0.0	0.0	0.0	0.0
13:00	(e)	0.0	0.0	0.0	0.0
13:15	(e)	0.0	0.0	0.0	0.0
13:30	(e)	0.0	0.0	0.0	0.0
13:45	(e)	0.0	0.0	0.0	0.0
14:00	(e)	0.0	0.0	0.0	0.0
14:15	(e)	0.0	0.0	0.0	0.0
14:30	(e)	0.0	0.0	0.0	0.0
14:45	(e)	0.0	0.0	0.0	0.0
15:00	(e)	0.0	0.0	0.0	0.0
15:15	(e)	0.0	0.0	0.0	0.0
15:30	(e)	0.0	0.0	0.0	0.0
15:45	(e)	0.0	0.0	0.0	0.0
16:00	(e)	0.0	0.0	0.0	(c)
16:15	(e)	0.0	0.0	0.0	(c)
16:30	(e)	0.0	0.0	0.0	(c)
16:45	(e)	0.0	0.0	(c)	(c)
17:00	(e)	(c)	(c)	(c)	(c)
17:15	(e)	(c)	(c)	(c)	(c)
17:30	(e)	(c)	(c)	(c)	(c)
17:45	(e)	(c)	(c)	(c)	(c)
18:00	(e)	(c)	(c)	(c)	(c)
18:15	(e)	(c)	(c)	(c)	(c)
18:30	(e)	(c)	(c)	(c)	(c)
Daily Average	**-**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	-	7:00 AM	7:15 AM	7:15 AM	7:45 AM
Sampler End Time	-	4:45 PM	4:45 PM	4:30 PM	3:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) July 4th holiday - no work activity

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill - VOC

Week of July 5 - July 9, 2004

	VOC (ppm)				
	July 5, 2004	**July 6, 2004**	**July 7, 2004**	**July 8, 2004**	**July 9, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(g)	(a)	(a)	(a)	(a)
6:15	(g)	(a)	(a)	(a)	(a)
6:30	(g)	(a)	(a)	(a)	(a)
6:45	(g)	(a)	(a)	(a)	(a)
7:00	(g)	<1	(a)	(a)	(a)
7:15	(g)	<1	<1	<1	(a)
7:30	(g)	<1	<1	<1	(a)
7:45	(g)	<1	<1	<1	<1
8:00	(g)	<1	<3	<1	<1
8:15	(g)	0.4-4.5	<4	<3	<1
8:30	(g)	0.4-3.5	<2	<3	<1
8:45	(g)	0.4-3.0	<3	<2	<1
9:00	(g)	<4	<4	<3	<1
9:15	(g)	<2	<4	(b)	<1
9:30	(g)	<3	(b)	(b)	(b)
9:45	(g)	<3	4.0-6.0	<3	<1
10:00	(g)	<2	4.0-6.0	<2	<2
10:15	(g)	<2	2.0-6.0	<3	<2
10:30	(g)	<4	4.0-6.0	<2	<2
10:45	(g)	<4	4.0-7.5	<2	<2
11:00	(g)	<3	3.0-8.0	<3	<2
11:15	(g)	<3	2.0-8.0	<3	<2
11:30	(g)	<2	2.0-8.0	<3	<2
11:45	(g)	<2	2.0-6.0	<3	<2
12:00	(g)	<2	2.0-4.0	<3	<2
12:15	(g)	<2	2.0-4.0	(b)	(b)
12:30	(g)	<2	1.0-8.0	(b)	(b)
12:45	(g)	<2	1.0-6.0	<3	<2
13:00	(g)	<4	1.0-3.0	<4	<2
13:15	(g)	<4	2.0-6.0	<5	<2
13:30	(g)	<3	2.0-5.0	<5	<2
13:45	(g)	<3	1.0-6.5	<6	<2
14:00	(g)	<3	2.0-8.0	<6	<2
14:15	(g)	<2	3.0-8.0	<5	<2
14:30	(g)	<3	2.0-7.0	<4	<2
14:45	(g)	<2	2.0-6.5	<4	<2
15:00	(g)	<2	1.0-6.5	<3	<2
15:15	(g)	<2	2.0-5.5	<3	<2
15:30	(g)	<3	<6	<3	<2
15:45	(g)	<3	<6	<3	<2
16:00	(g)	<3	<6	<3	(c)
16:15	(g)	<3	<6	<3	(c)
16:30	(g)	<3	<6	<3	(c)
16:45	(g)	<3	<6	(c)	(c)
17:00	(g)	(c)	(c)	(c)	(c)
17:15	(g)	(c)	(c)	(c)	(c)
17:30	(g)	(c)	(c)	(c)	(c)
17:45	(g)	(c)	(c)	(c)	(c)
18:00	(g)	(c)	(c)	(c)	(c)
18:15	(g)	(c)	(c)	(c)	(c)
18:30	(g)	(c)	(c)	(c)	(c)
Daily Average	**-**	**1.4(e)**	**4.6(e)**	**1.5(e)**	**0.9(e)**
Sampler Start Time	-	7:00 AM	7:15 AM	7:15 AM	7:45 AM
Sampler End Time	-	4:45 PM	4:45 PM	4:30 PM	3:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for values reported less than a value (i.e., 1 ppm = 0.5 ppm).

(f) Instrument was being serviced.

(g) July 4th Holiday - no work activity

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill - Particulate Matter

Week of July 5 - July 9, 2004

	Particulate Matter (ug/m^3)				
	July 5, 2004	**July 6, 2004**	**July 7, 2004**	**July 8, 2004**	**July 9, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(e)	(a)	(a)	(a)	(a)
6:15	(e)	(a)	(a)	(a)	(a)
6:30	(e)	(a)	(a)	(a)	(a)
6:45	(e)	(a)	(a)	(a)	(a)
7:00	(e)	0.0	(a)	(a)	(a)
7:15	(e)	0.0	0.0	0.0	(a)
7:30	(e)	0.0	0.0	0.0	(a)
7:45	(e)	0.0	0.0	0.0	3.0
8:00	(e)	0.0	0.0	0.0	3.0
8:15	(e)	0.0	0.0	0.0	1.0
8:30	(e)	0.0	0.0	0.0	8.0
8:45	(e)	0.0	0.0	0.0	7.0
9:00	(e)	0.0	0.0	0.0	6.0
9:15	(e)	0.0	4.0	(b)	6.0
9:30	(e)	0.0	(b)	(b)	(b)
9:45	(e)	0.0	2.0	0.0	5.0
10:00	(e)	0.0	4.0	0.0	3.0
10:15	(e)	0.0	1.0	0.0	6.0
10:30	(e)	0.0	5.0	0.0	6.0
10:45	(e)	0.0	0.0	0.0	4.0
11:00	(e)	0.0	6.0	0.0	10.0
11:15	(e)	0.0	0.0	0.0	6.0
11:30	(e)	0.0	0.0	0.0	4.0
11:45	(e)	6.0	2.0	0.0	2.0
12:00	(e)	6.0	2.0	0.0	2.0
12:15	(e)	4.0	14.0	(b)	(b)
12:30	(e)	4.0	2.0	(b)	(b)
12:45	(e)	5.0	8.0	10.0	2.0
13:00	(e)	6.0	8.0	17.0	1.0
13:15	(e)	3.0	5.0	19.0	5.0
13:30	(e)	9.0	4.0	27.0	6.0
13:45	(e)	5.0	3.0	25.0	12.0
14:00	(e)	7.0	5.0	18.0	8.0
14:15	(e)	16.0	6.0	19.0	3.0
14:30	(e)	10.0	4.0	32.0	3.0
14:45	(e)	18.0	11.0	16.0	6.0
15:00	(e)	3.0	5.0	34.0	5.0
15:15	(e)	5.0	7.0	32.0	3.0
15:30	(e)	14.0	8.0	20.0	1.0
15:45	(e)	4.0	8.0	18.0	3.0
16:00	(e)	12.0	11.0	22.0	(c)
16:15	(e)	11.0	9.0	21.0	(c)
16:30	(e)	4.0	9.0	18.0	(c)
16:45	(e)	8.0	9.0	(c)	(c)
17:00	(e)	(c)	(c)	(c)	(c)
17:15	(e)	(c)	(c)	(c)	(c)
17:30	(e)	(c)	(c)	(c)	(c)
17:45	(e)	(c)	(c)	(c)	(c)
18:00	(e)	(c)	(c)	(c)	(c)
18:15	(e)	(c)	(c)	(c)	(c)
18:30	(e)	(c)	(c)	(c)	(c)
Daily Average	**-**	**4.0**	**4.3**	**10.2**	**4.7**
Sampler Start Time	-	7:00 AM	7:15 AM	7:15 AM	7:45 AM
Sampler End Time	-	4:45 PM	4:45 PM	4:30 PM	3:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) July 4th holiday - no work activity

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Lagoon 5 & Landfill - Hydrogen Sulfide

Week of July 12 - July 16, 2004

	Hydrogen Sulfide (ppm)					
	July 12, 2004		**July 13, 2004**	**July 14, 2004**	**July 15, 2004**	**July 16, 2004**
Time of Day	15-min Reading		15-min Reading	15-min Reading	15-min Reading	15-min Reading
	Lagoon 5	**Landfill**	**Lagoon 5 and Landfill**			
6:00	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.0	(a)	(a)	(a)	(a)	(a)
7:15	0.0	(a)	0.0	(a)	(a)	(a)
7:30	0.0	(a)	0.0	0.0	(a)	0.0
7:45	0.0	(a)	0.0	0.0	0.0	0.0
8:00	0.0	(a)	0.0	0.0	0.0	0.0
8:15	0.0	(a)	0.0	0.0	0.0	0.0
8:30	0.0	0.0	0.0	0.0	0.0	0.0
8:45	0.0	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0	0.0
9:15	0.0	0.0	0.0	0.0	0.0	0.0
9:30	0.0	0.0	(b)	(b)	0.0	(b)
9:45	0.0	0.0	0.0	0.0	(b)	0.0
10:00	0.0	0.0	0.0	0.0	0.0	0.0
10:15	0.0	0.0	0.0	0.0	0.0	0.0
10:30	0.0	0.0	0.0	0.0	0.0	0.0
10:45	0.0	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0	0.0
11:15	0.0	0.0	0.0	0.0	0.0	0.0
11:30	0.0	0.0	0.0	0.0	0.0	0.0
11:45	0.0	0.0	0.0	0.0	0.0	0.0
12:00	(b)	0.0	0.0	(b)	(b)	0.0
12:15	(b)	(b)	(b)	(b)	(b)	(b)
12:30	0.0	(b)	(b)	(b)	(b)	(b)
12:45	0.0	0.0	0.0	0.0	0.0	0.0
13:00	0.0	0.0	0.0	0.0	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	0.0	0.0
13:45	0.0	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0	0.0
14:15	0.0	0.0	0.0	0.0	0.0	0.0
14:30	0.0	0.0	0.0	0.0	0.0	0.0
14:45	0.0	0.0	0.0	0.0	0.0	0.0
15:00	0.0	0.0	0.0	0.0	0.0	0.0
15:15	0.0	0.0	(b)	0.0	0.0	0.0
15:30	0.0	0.0	0.0	0.0	0.0	0.0
15:45	0.0	0.0	0.0	(c)	0.0	(c)
16:00	0.0	0.0	0.0	(c)	0.0	(c)
16:15	0.0	0.0	0.0	(c)	0.0	(c)
16:30	0.0	0.0	(c)	(c)	0.0	(c)
16:45	0.0	0.0	(c)	(c)	(c)	(c)
17:00	0.0	0.0	(c)	(c)	(c)	(c)
17:15	0.0	0.0	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	7:00 AM	8:30 AM	7:15 AM	7:30 AM	7:45 AM	7:30 AM
Sampler End Time	5:15 PM	5:15 PM	4:15 PM	3:30 PM	4:30 PM	3:30 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 5 & Landfill - VOC

Week of July 12 - July 16, 2004

	VOC (ppm)					
	July 12, 2004		July 13, 2004	July 14, 2004	July 15, 2004	July 16, 2004
Time of Day	15-min Reading		15-min Reading	15-min Reading	15-min Reading	15-min Reading
	Lagoon 5	Landfill	Lagoon 5 and Landfill			
6:00	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)
7:00	<1	(a)	(a)	(a)	(a)	(a)
7:15	<1	(a)	<1	(a)	(a)	(a)
7:30	<1	(a)	<1	<1	(a)	<1
7:45	<1	(a)	<1	<1	<1	<1
8:00	<1	(a)	<1	<1	<1	<1
8:15	<1	(a)	<1	<1	<1	<1
8:30	<1	<1	<1	<1	<1	<1
8:45	<1	<1	<1	<1	<1	<1
9:00	<1	<1	<1	<1	<1	<1
9:15	<1	<1	<1	<1	<1	<1
9:30	<1	<1	(b)	(b)	<1	(b)
9:45	<1	<1	<1	<1	(b)	<1
10:00	<1	<1	<1	<1	<1	<1
10:15	<1	<1	<1	<1	<1	<1
10:30	<1	<1	<1	<1	<1	<1
10:45	<1	<1	<1	<1	<1	<1
11:00	<1	<1	<1	<1	<1	<1
11:15	<1	<1	<1	<1	<1	<1
11:30	<1	<1	<1	<1	<1	<1
11:45	<1	<1	<1	<1	<1	<1
12:00	(b)	<1	<1	(b)	(b)	<1
12:15	(b)	(b)	(b)	(b)	(b)	(b)
12:30	<1	(b)	(b)	(b)	(b)	(b)
12:45	<1	<1	<1	<1	<1	<1
13:00	<1	<1	<1	<1	<1	<1
13:15	<1	<1	<1	<1	<1	<1
13:30	<1	<1	<1	<1	<1	<1
13:45	<1	<1	<1	<1	<1	<1
14:00	<1	<1	<1	<1	<1	<1
14:15	<1	<1	<1	<1	<1	<1
14:30	<1	<1	<1	<1	<1	<1
14:45	<1	<1	<1	<1	<1	<1
15:00	<1	<1	<1	<1	<1	<1
15:15	<1	<1	(b)	<1	<1	<1
15:30	<1	<1	<1	<1	<1	<1
15:45	<1	<1	<1	(c)	<1	(c)
16:00	<1	<1	<1	(c)	<1	(c)
16:15	<1	<1	<1	(c)	<1	(c)
16:30	<1	<1	(c)	(c)	<1	(c)
16:45	<1	<1	(c)	(c)	(c)	(c)
17:00	<1	<1	(c)	(c)	(c)	(c)
17:15	<1	<1	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**
Sampler Start Time	7:00 AM	8:30 AM	7:15 AM	7:30 AM	7:45 AM	7:30 AM
Sampler End Time	5:15 PM	5:15 PM	4:15 PM	3:30 PM	4:30 PM	3:30 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for <1 ppm (0.5 ppm).

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Lagoon 5 & Landfill - Particulate Matter

Week of July 12 - July 16, 2004

	Particulate Matter (ug/m^3)					
	July 12, 2004		**July 13, 2004**	**July 14, 2004**	**July 15, 2004**	**July 16, 2004**
Time of Day	15-min Reading		15-min Reading	15-min Reading	15-min Reading	15-min Reading
	Lagoon 5	**Landfill**	**Lagoon 5 and Landfill**			
6:00	(a)	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)	(a)
7:00	0.0	(a)	(a)	(a)	(a)	(a)
7:15	0.0	(a)	18.0	(a)	(a)	(a)
7:30	0.0	(a)	20.0	8.0	(a)	0.0
7:45	14.0	(a)	8.0	0.0	0.0	0.0
8:00	16.0	(a)	13.0	7.0	0.0	0.0
8:15	15.0	(a)	9.0	4.0	0.0	0.0
8:30	32.0	6.0	9.0	0.0	0.0	0.0
8:45	36.0	8.0	3.0	9.0	0.0	0.0
9:00	28.0	8.0	11.0	0.0	0.0	0.0
9:15	36.0	11.0	4.0	0.0	0.0	0.0
9:30	22.0	14.0	(b)	(b)	0.0	(b)
9:45	11.0	8.0	0.0	6.0	(b)	0.0
10:00	9.0	6.0	0.0	8.0	0.0	0.0
10:15	16.0	6.0	11.0	11.0	0.0	0.0
10:30	19.0	11.0	0.0	6.0	0.0	0.0
10:45	26.0	18.0	0.0	0.0	0.0	0.0
11:00	38.0	15.0	0.0	4.0	0.0	0.0
11:15	27.0	11.0	0.0	0.0	0.0	0.0
11:30	9.0	11.0	0.0	11.0	0.0	0.0
11:45	17.0	13.0	10.0	10.0	0.0	0.0
12:00	(b)	15.0	7.0	(b)	(b)	0.0
12:15	(b)	(b)	(b)	(b)	(b)	(b)
12:30	42.0	(b)	(b)	(b)	(b)	(b)
12:45	21.0	18.0	21.0	4.0	0.0	0.0
13:00	10.0	16.0	6.0	9.0	0.0	0.0
13:15	39.0	16.0	9.0	4.0	0.0	0.0
13:30	38.0	14.0	6.0	4.0	0.0	0.0
13:45	10.0	23.0	3.0	6.0	0.0	0.0
14:00	14.0	9.0	8.0	4.0	0.0	0.0
14:15	8.0	11.0	6.0	0.0	0.0	0.0
14:30	12.0	16.0	11.0	18.0	4.0	0.0
14:45	11.0	24.0	8.0	11.0	0.0	0.0
15:00	7.0	13.0	21.0	8.0	0.0	0.0
15:15	27.0	11.0	(b)	6.0	0.0	0.0
15:30	26.0	11.0	4.0	11.0	0.0	0.0
15:45	21.0	9.0	7.0	(c)	0.0	(c)
16:00	16.0	8.0	7.0	(c)	0.0	(c)
16:15	11.0	14.0	5.0	(c)	0.0	(c)
16:30	19.0	11.0	(c)	(c)	0.0	(c)
16:45	11.0	23.0	(c)	(c)	(c)	(c)
17:00	11.0	18.0	(c)	(c)	(c)	(c)
17:15	11.0	14.0	(c)	(c)	(c)	(c)
17:30	(c)	(c)	(c)	(c)	(c)	(c)
17:45	(c)	(c)	(c)	(c)	(c)	(c)
18:00	(c)	(c)	(c)	(c)	(c)	(c)
18:15	(c)	(c)	(c)	(c)	(c)	(c)
18:30	(c)	(c)	(c)	(c)	(c)	(c)
Daily Average	**18.4**	**12.9**	**7.4**	**5.8**	**0.1**	**0.0**
Sampler Start Time	7:00 AM	8:30 AM	7:15 AM	7:30 AM	7:45 AM	7:30 AM
Sampler End Time	5:15 PM	5:15 PM	4:15 PM	3:30 PM	4:30 PM	3:30 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Landfill and Lagoon 5 - VOC

Week of July 19 - July 23, 2004

	VOC (ppm)				
	July 19, 2004	**July 20, 2004**	**July 21, 2004**	**July 22, 2004**	**July 23, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
	Landfill and Lagoon 5	**Landfill and Lagoon 5**	**Landfill Only**	**Landfill and Lagoon 5**	**Landfill and Lagoon 5**
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)
7:30	(a)	<.10	(a)	(a)	<.10
7:45	(a)	<.10	(a)	(a)	<.10
8:00	<.10	<.10	(a)	<.10	<.10
8:15	<.10	<.10	(a)	<.10	<.10
8:30	<.10	<.10	<.10	<.10	<.10
8:45	<.10	<.10	<.10	<.10	<.10
9:00	<.10	<.10	<.70	<.10	<.10
9:15	<.10	<.10	<.70	<.10	<.10
9:30	<.10	(b)	(b)	<.10	(b)
9:45	(b)	<.10	<.70	(b)	<.10
10:00	<.10	<.10	<.70	<.10	<.10
10:15	<.10	<.10	<.70	<.10	<.10
10:30	<.10	<.10	<.70	<.10	<.10
10:45	<.10	<.10	<.70	<.10	<.10
11:00	<.10	<.10	<.70	<.10	<.10
11:15	<.10	<.10	<.50	<.10	<.10
11:30	<.10	<.10	<.50	<.10	<.10
11:45	<.10	<.10	<.10	<.10	<.10
12:00	<.10	<.10	<.10	<.10	<.10
12:15	(b)	(b)	(b)	(b)	<.10
12:30	(b)	(b)	(b)	(b)	<.10
12:45	<.10	<.10	<.10	<.10	(b)
13:00	<.10	<.10	<.10	<.10	<.10
13:15	<.10	<.10	<.10	<.10	<.10
13:30	<.10	<.10	<.10	<.10	<.10
13:45	<.10	<.10	<.10	<.10	<.10
14:00	<.10	<.10	<.10	<.10	<.10
14:15	<.10	<.10	<.10	<.10	<.10
14:30	<.10	<.10	<.10	<.10	(g)
14:45	<.10	<.10	<.10	<.10	(g)
15:00	<.10	<.10	<.10	<.10	(g)
15:15	<.10	<.10	<.10	<.10	(g)
15:30	<.10	<.10	<.10	<.10	(g)
15:45	<.10	<.10	<.10	<.10	(g)
16:00	(c)	<.10	<.10	(c)	(g)
16:15	(c)	(c)	(c)	(c)	(g)
16:30	(c)	(c)	(c)	(c)	(g)
16:45	(c)	(c)	(c)	(c)	(g)
17:00	(c)	(c)	(c)	(c)	(g)
17:15	(c)	(c)	(c)	(c)	(g)
17:30	(c)	(c)	(c)	(c)	(g)
17:45	(c)	(c)	(c)	(c)	(g)
18:00	(c)	(c)	(c)	(c)	(g)
18:15	(c)	(c)	(c)	(c)	(g)
18:30	(c)	(c)	(c)	(c)	(g)
Daily Average	**<.10**	**<.10**	**0.044**	**<.10**	**<.10**
Sampler Start Time	8:00 AM	7:30 AM	8:30 AM	8:00 AM	7:30 AM
Sampler End Time	3:45 PM	4:00 PM	4:00 PM	3:45 PM	1:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for values reported less than a value (i.e., 1 ppm = 0.5 ppm).

(f) Instrument was being serviced.

(g) Monitoring was complete at this point for the day due to heavy rain.

Pownal Tannery Exclusion Zone
Landfill and Lagoon 5 - Hydrogen Sulfide

Week of July 19 - July 23, 2004

	Hydrogen Sulfide (ppm)				
	July 19, 2004	**July 20, 2004**	**July 21, 2004**	**July 22, 2004**	**July 23, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
	Landfill and Lagoon 5	**Landfill and Lagoon 5**	**Landfill Only**	**Landfill and Lagoon 5**	**Landfill and Lagoon 5**
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)
7:30	(a)	0.0	(a)	(a)	0.0
7:45	(a)	0.0	(a)	(a)	0.0
8:00	0.0	0.0	(a)	0.0	0.0
8:15	0.0	0.0	(a)	0.0	0.0
8:30	0.0	0.0	0.0	0.0	0.0
8:45	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0
9:15	0.0	0.0	0.0	0.0	0.0
9:30	0.0	(b)	(b)	0.0	(b)
9:45	(b)	0.0	0.0	(b)	0.0
10:00	0.0	0.0	0.0	0.0	0.0
10:15	0.0	0.0	0.0	0.0	0.0
10:30	0.0	0.0	0.0	0.0	0.0
10:45	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0
11:15	0.0	0.0	0.0	0.0	0.0
11:30	0.0	0.0	0.0	0.0	0.0
11:45	0.0	0.0	0.0	0.0	0.0
12:00	0.0	0.0	0.0	0.0	0.0
12:15	(b)	(b)	(b)	(b)	0.0
12:30	(b)	(b)	(b)	(b)	0.0
12:45	0.0	0.0	0.0	0.0	(b)
13:00	0.0	0.0	0.0	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	0.0
13:45	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0
14:15	0.0	0.0	0.0	0.0	0.0
14:30	0.0	0.0	0.0	0.0	(e)
14:45	0.0	0.0	0.0	0.0	(e)
15:00	0.0	0.0	0.0	0.0	(e)
15:15	0.0	0.0	0.0	0.0	(e)
15:30	0.0	0.0	0.0	0.0	(e)
15:45	0.0	0.0	0.0	0.0	(e)
16:00	(c)	0.0	0.0	(c)	(e)
16:15	(c)	(c)	(c)	(c)	(e)
16:30	(c)	(c)	(c)	(c)	(e)
16:45	(c)	(c)	(c)	(c)	(e)
17:00	(c)	(c)	(c)	(c)	(e)
17:15	(c)	(c)	(c)	(c)	(e)
17:30	(c)	(c)	(c)	(c)	(e)
17:45	(c)	(c)	(c)	(c)	(e)
18:00	(c)	(c)	(c)	(c)	(e)
18:15	(c)	(c)	(c)	(c)	(e)
18:30	(c)	(c)	(c)	(c)	(e)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Sampler Start Time	8:00 AM	7:30 AM	8:30 AM	8:00 AM	7:30 AM
Sampler End Time	3:45 PM	4:00 PM	4:00 PM	3:45 PM	1:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor suppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) Monitoring was complete at this point for the day due to heavy rain.

Pownal Tannery Exclusion Zone
Landfill and Lagoon 5 - Particulate Matter

Week of July 19 - July 23, 2004

	Particulate Matter (ug/m^3)				
	July 19, 2004	**July 20, 2004**	**July 21, 2004**	**July 22, 2004**	**July 23, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
	Landfill and Lagoon 5	**Landfill and Lagoon 5**	**Landfill Only**	**Landfill and Lagoon 5**	**Landfill and Lagoon 5**
6:00	(a)	(a)	(a)	(a)	(a)
6:15	(a)	(a)	(a)	(a)	(a)
6:30	(a)	(a)	(a)	(a)	(a)
6:45	(a)	(a)	(a)	(a)	(a)
7:00	(a)	(a)	(a)	(a)	(a)
7:15	(a)	(a)	(a)	(a)	(a)
7:30	(a)	0.0	(a)	(a)	0.0
7:45	(a)	0.0	(a)	(a)	0.0
8:00	0.0	0.0	(a)	0.0	0.0
8:15	0.0	0.0	(a)	0.0	4.0
8:30	0.0	0.0	0.0	0.0	11.0
8:45	0.0	0.0	0.0	0.0	4.0
9:00	0.0	0.0	0.0	0.0	4.0
9:15	0.0	0.0	0.0	0.0	10.0
9:30	0.0	(b)	(b)	0.0	(b)
9:45	(b)	0.0	0.0	(b)	6.0
10:00	0.0	0.0	0.0	0.0	4.0
10:15	0.0	0.0	0.0	0.0	10.0
10:30	0.0	0.0	0.0	0.0	16.0
10:45	0.0	0.0	0.0	0.0	9.0
11:00	0.0	0.0	0.0	0.0	4.0
11:15	0.0	0.0	0.0	0.0	4.0
11:30	0.0	0.0	0.0	0.0	11.0
11:45	0.0	0.0	0.0	0.0	4.0
12:00	0.0	0.0	0.0	0.0	11.0
12:15	(b)	(b)	(b)	(b)	13.0
12:30	(b)	(b)	(b)	(b)	18.0
12:45	0.0	0.0	0.0	0.0	(b)
13:00	0.0	0.0	0.0	0.0	0.0
13:15	0.0	0.0	0.0	0.0	0.0
13:30	0.0	0.0	0.0	0.0	3.0
13:45	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	(e)
14:15	0.0	0.0	0.0	0.0	(e)
14:30	0.0	0.0	0.0	0.0	(e)
14:45	0.0	0.0	0.0	0.0	(e)
15:00	0.0	0.0	0.0	0.0	(e)
15:15	0.0	0.0	0.0	0.0	(e)
15:30	0.0	0.0	0.0	0.0	(e)
15:45	0.0	0.0	0.0	0.0	(e)
16:00	(c)	0.0	0.0	(c)	(e)
16:15	(c)	(c)	(c)	(c)	(e)
16:30	(c)	(c)	(c)	(c)	(e)
16:45	(c)	(c)	(c)	(c)	(e)
17:00	(c)	(c)	(c)	(c)	(e)
17:15	(c)	(c)	(c)	(c)	(e)
17:30	(c)	(c)	(c)	(c)	(e)
17:45	(c)	(c)	(c)	(c)	(e)
18:00	(c)	(c)	(c)	(c)	(e)
18:15	(c)	(c)	(c)	(c)	(e)
18:30	(c)	(c)	(c)	(c)	(e)
Daily Average	**0.0**	**0.0**	**0.0**	**0.0**	**6.1**
Sampler Start Time	8:00 AM	7:30 AM	8:30 AM	8:00 AM	7:30 AM
Sampler End Time	3:45 PM	4:00 PM	4:00 PM	3:45 PM	1:45 PM

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:
(a) Monitoring was initiated after this point for the day.
(b) Work was not performed
(c) Monitoring was complete at this point for the day.
(d) Monitoring was not recorded at this point for the day.
(e) Monitoring was complete at this point for the day due to heavy rain.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring
Landfill/Lagoon 5 - Hydrogen Sulfide

Week of July 26 - July 31, 2004

	Hydrogen Sulfide (ppm)					
	July 26, 2004	**July 27, 2004**	**July 28, 2004**	**July 29, 2004**	**July 30, 2004**	**July 31, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(b)	(a)	(a)	(b)	(b)
6:15	(a)	(b)	(a)	(a)	(b)	(b)
6:30	(a)	(b)	(a)	(a)	(b)	(b)
6:45	(a)	(b)	(a)	(a)	(b)	(b)
7:00	(a)	(b)	(a)	(a)	(b)	(b)
7:15	(a)	(b)	(a)	(a)	(b)	(b)
7:30	(a)	(b)	(a)	(a)	(b)	(b)
7:45	0.0	(b)	(a)	0.0	(b)	(b)
8:00	0.0	(b)	(a)	(b)	(b)	(b)
8:15	0.0	(b)	0.0	(b)	(b)	(b)
8:30	0.0	(b)	0.0	(b)	(b)	(b)
8:45	0.0	(b)	0.0	(b)	(b)	(b)
9:00	0.0	(b)	0.0	0.0	(b)	(b)
9:15	0.0	(b)	0.0	(b)	(b)	(b)
9:30	0.0	(b)	0.0	(b)	(b)	(b)
9:45	0.0	(b)	0.0	(b)	(b)	(b)
10:00	0.0	(b)	0.0	(b)	(b)	(b)
10:15	0.0	(b)	0.0	0.0	(b)	(b)
10:30	0.0	(b)	0.0	(b)	(b)	(b)
10:45	0.0	(b)	0.0	(b)	(b)	(b)
11:00	0.0	(b)	0.0	(b)	(b)	(b)
11:15	0.0	(b)	0.0	0.0	(b)	(b)
11:30	0.0	(b)	0.0	(b)	(b)	(b)
11:45	0.0	(b)	0.0	(b)	(b)	(b)
12:00	0.0	(b)	0.0	0.0	(b)	(b)
12:15	0.0	(b)	0.0	(b)	(b)	(b)
12:30	0.0	(b)	0.0	(b)	(b)	(b)
12:45	0.0	(b)	0.0	(b)	(b)	(b)
13:00	0.0	(b)	0.0	(b)	(b)	(b)
13:15	0.0	(b)	0.0	0.0	(b)	(b)
13:30	0.0	(b)	0.0	(b)	(b)	(b)
13:45	0.0	(b)	0.0	(b)	(b)	(b)
14:00	0.0	(b)	0.0	0.0	(b)	(b)
14:15	0.0	(b)	0.0	(b)	(b)	(b)
14:30	0.0	(b)	0.0	(b)	(b)	(b)
14:45	0.0	(b)	0.0	(b)	(b)	(b)
15:00	0.0	(b)	0.0	(b)	(b)	(b)
15:15	0.0	(b)	0.0	(b)	(b)	(b)
15:30	0.0	(b)	0.0	(b)	(b)	(b)
15:45	0.0	(b)	0.0	(b)	(b)	(b)
16:00	(c)	(b)	(c)	(b)	(b)	(b)
16:15	(c)	(b)	(c)	(b)	(b)	(b)
16:30	(c)	(b)	(c)	(b)	(b)	(b)
16:45	(c)	(b)	(c)	(b)	(b)	(b)
17:00	(c)	(b)	(c)	(b)	(b)	(b)
17:15	(c)	(b)	(c)	(b)	(b)	(b)
17:30	(c)	(b)	(c)	(b)	(b)	(b)
17:45	(c)	(b)	(c)	(b)	(b)	(b)
18:00	(c)	(b)	(c)	(b)	(b)	(b)
18:15	(c)	(b)	(c)	(b)	(b)	(b)
18:30	(c)	(b)	(c)	(b)	(b)	(b)
Daily Average	**0.0**	**-**	**0.0**	**0.0**	**-**	**-**
Sampler Start Time	**7:45 AM**	-	**8:15 AM**	**7:45 AM**	-	-
Sampler End Time	**3:45 PM**	-	**3:45 PM**	**2:00 PM**	-	-

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for H2S are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

<5 ppm : Level D

≥ 5 ppm to <100 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression is implemented, upgrade to Level C, a full face-piece APR with an H2S specific canister.

≥ 100 ppm sustained for 15 minutes: Evacuate personnel from area immediately, ventilate work area, upgrade to Level B, SCBA, full face.

>5000 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill/Lagoon 5 - VOC

Week of July 26 - July 31, 2004

	VOC (ppm)					
	July 26, 2004	**July 27, 2004**	**July 28, 2004**	**July 29, 2004**	**July 30, 2004**	**July 31, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(b)	(a)	(a)	(b)	(b)
6:15	(a)	(b)	(a)	(a)	(b)	(b)
6:30	(a)	(b)	(a)	(a)	(b)	(b)
6:45	(a)	(b)	(a)	(a)	(b)	(b)
7:00	(a)	(b)	(a)	(a)	(b)	(b)
7:15	(a)	(b)	(a)	(a)	(b)	(b)
7:30	(a)	(b)	(a)	(a)	(b)	(b)
7:45	<.10	(b)	(a)	<.10	(b)	(b)
8:00	<.10	(b)	(a)	(b)	(b)	(b)
8:15	<.10	(b)	<.10	(b)	(b)	(b)
8:30	<.10	(b)	<.10	(b)	(b)	(b)
8:45	<.10	(b)	<.10	(b)	(b)	(b)
9:00	<.10	(b)	<.10	<.10	(b)	(b)
9:15	<.10	(b)	<.10	(b)	(b)	(b)
9:30	<.10	(b)	<.10	(b)	(b)	(b)
9:45	<.10	(b)	<.10	(b)	(b)	(b)
10:00	<.10	(b)	<.10	(b)	(b)	(b)
10:15	<.10	(b)	<.10	<.10	(b)	(b)
10:30	<.10	(b)	<.10	(b)	(b)	(b)
10:45	<.10	(b)	<.10	(b)	(b)	(b)
11:00	<.10	(b)	<.10	(b)	(b)	(b)
11:15	<.10	(b)	<.10	<.10	(b)	(b)
11:30	<.10	(b)	<.10	(b)	(b)	(b)
11:45	<.10	(b)	<.10	(b)	(b)	(b)
12:00	<.10	(b)	<.10	<.10	(b)	(b)
12:15	<.10	(b)	<.10	(b)	(b)	(b)
12:30	<.10	(b)	<.10	(b)	(b)	(b)
12:45	<.10	(b)	<.10	(b)	(b)	(b)
13:00	<.10	(b)	<.10	(b)	(b)	(b)
13:15	<.10	(b)	<.10	<.10	(b)	(b)
13:30	<.10	(b)	<.10	(b)	(b)	(b)
13:45	<.10	(b)	<.10	(b)	(b)	(b)
14:00	<.10	(b)	<.10	<.10	(b)	(b)
14:15	<.10	(b)	<.10	(b)	(b)	(b)
14:30	<.10	(b)	<.10	(b)	(b)	(b)
14:45	<.10	(b)	<.10	(b)	(b)	(b)
15:00	<.10	(b)	<.10	(b)	(b)	(b)
15:15	<.10	(b)	<.10	(b)	(b)	(b)
15:30	<.10	(b)	<.10	(b)	(b)	(b)
15:45	<.10	(b)	<.10	(b)	(b)	(b)
16:00	(c)	(b)	(c)	(b)	(b)	(b)
16:15	(c)	(b)	(c)	(b)	(b)	(b)
16:30	(c)	(b)	(c)	(b)	(b)	(b)
16:45	(c)	(b)	(c)	(b)	(b)	(b)
17:00	(c)	(b)	(c)	(b)	(b)	(b)
17:15	(c)	(b)	(c)	(b)	(b)	(b)
17:30	(c)	(b)	(c)	(b)	(b)	(b)
17:45	(c)	(b)	(c)	(b)	(b)	(b)
18:00	(c)	(b)	(c)	(b)	(b)	(b)
18:15	(c)	(b)	(c)	(b)	(b)	(b)
18:30	(c)	(b)	(c)	(b)	(b)	(b)
Daily Average	**.05(e)**	**-**	**.05(e)**	**.05(e)**	**-**	**-**
Sampler Start Time	**7:45 AM**	-	**8:15 AM**	**7:45 AM**	-	-
Sampler End Time	**3:45 PM**	-	**3:45 PM**	**2:00 PM**	-	-

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for VOC are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are as follows:

0 - 1 ppm : Level D

> 1 ppm sustained for 15 minutes: evacuate personnel from area, notify HSO & PM, ventilate work area, implement vapor supppression methods, and if levels remain high after vapor suppression, upgrade to Level C

>10 ppm sustained for 15 minutes: Evacuate personnel from area, notify HSO & PM, Upgrade to Level B if levels remain high, continue vapor control methods

>250 ppm: Stop all work including Level B work

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

(e) For averaging purposes, the high point of the range was used, and 1/2 the detection limit for values reported less than a value (i.e., 1 ppm = 0.5 ppm).

Pownal Tannery Exclusion Zone
Ambient Air Monitoring Data
Landfill/Lagoon 5 - Particulate Matter

Week of July 26 - July 31, 2004

	Particulate Matter (ug/m^3)					
	July 26, 2004	**July 27, 2004**	**July 28, 2004**	**July 29, 2004**	**July 30, 2004**	**July 31, 2004**
Time of Day	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading	15-min Reading
6:00	(a)	(b)	(a)	(a)	(b)	(b)
6:15	(a)	(b)	(a)	(a)	(b)	(b)
6:30	(a)	(b)	(a)	(a)	(b)	(b)
6:45	(a)	(b)	(a)	(a)	(b)	(b)
7:00	(a)	(b)	(a)	(a)	(b)	(b)
7:15	(a)	(b)	(a)	(a)	(b)	(b)
7:30	(a)	(b)	(a)	(a)	(b)	(b)
7:45	4.0	(b)	(a)	0.0	(b)	(b)
8:00	0.0	(b)	(a)	(b)	(b)	(b)
8:15	0.0	(b)	0.0	(b)	(b)	(b)
8:30	8.0	(b)	0.0	(b)	(b)	(b)
8:45	9.0	(b)	0.0	(b)	(b)	(b)
9:00	11.0	(b)	0.0	0.0	(b)	(b)
9:15	8.0	(b)	0.0	(b)	(b)	(b)
9:30	4.0	(b)	0.0	(b)	(b)	(b)
9:45	4.0	(b)	0.0	(b)	(b)	(b)
10:00	16.0	(b)	0.0	(b)	(b)	(b)
10:15	11.0	(b)	0.0	4.0	(b)	(b)
10:30	8.0	(b)	0.0	(b)	(b)	(b)
10:45	8.0	(b)	0.0	(b)	(b)	(b)
11:00	11.0	(b)	0.0	(b)	(b)	(b)
11:15	14.0	(b)	0.0	8.0	(b)	(b)
11:30	11.0	(b)	0.0	(b)	(b)	(b)
11:45	16.0	(b)	0.0	(b)	(b)	(b)
12:00	14.0	(b)	0.0	0.0	(b)	(b)
12:15	11.0	(b)	0.0	(b)	(b)	(b)
12:30	16.0	(b)	0.0	(b)	(b)	(b)
12:45	24.0	(b)	0.0	(b)	(b)	(b)
13:00	11.0	(b)	0.0	(b)	(b)	(b)
13:15	8.0	(b)	0.0	11.0	(b)	(b)
13:30	11.0	(b)	0.0	(b)	(b)	(b)
13:45	11.0	(b)	0.0	(b)	(b)	(b)
14:00	9.0	(b)	0.0	4.0	(b)	(b)
14:15	9.0	(b)	0.0	(b)	(b)	(b)
14:30	9.0	(b)	0.0	(b)	(b)	(b)
14:45	11.0	(b)	0.0	(b)	(b)	(b)
15:00	16.0	(b)	0.0	(b)	(b)	(b)
15:15	11.0	(b)	0.0	(b)	(b)	(b)
15:30	4.0	(b)	0.0	(b)	(b)	(b)
15:45	7.0	(b)	0.0	(b)	(b)	(b)
16:00	(c)	(b)	(c)	(b)	(b)	(b)
16:15	(c)	(b)	(c)	(b)	(b)	(b)
16:30	(c)	(b)	(c)	(b)	(b)	(b)
16:45	(c)	(b)	(c)	(b)	(b)	(b)
17:00	(c)	(b)	(c)	(b)	(b)	(b)
17:15	(c)	(b)	(c)	(b)	(b)	(b)
17:30	(c)	(b)	(c)	(b)	(b)	(b)
17:45	(c)	(b)	(c)	(b)	(b)	(b)
18:00	(c)	(b)	(c)	(b)	(b)	(b)
18:15	(c)	(b)	(c)	(b)	(b)	(b)
18:30	(c)	(b)	(c)	(b)	(b)	(b)
Daily Average	**9.8**	**-**	**0.0**	**3.9**	**-**	**-**
Sampler Start Time	**7:45 AM**	-	**8:15 AM**	**7:45 AM**	-	-
Sampler End Time	**3:45 PM**	-	**3:45 PM**	**2:00 PM**	-	-

Based on Table 9-1 of the Site Health and Safety Plan, Action Levels for particulate matter are based on concentrations that trigger specific worksite actions. The levels that trigger specific actions are 0 - 65 ug/m3 (Level D and dust suppression) and > 65 ug/m3 above background sustained for 15 minutes (evacuate personnel from area, notify HSO & PM, upgrade to Level C, continue dust suppression methods)

Qualifiers:

(a) Monitoring was initiated after this point for the day.

(b) Work was not performed

(c) Monitoring was complete at this point for the day.

(d) Monitoring was not recorded at this point for the day.

APPENDIX E

PART 2 -
PERIMETER AIR MONITORING DATA
PHASE I REMEDIAL ACTION
Weekly Reports

TANTARA CORPORATION

September 23, 2003

Mr. Neil Thurber
Metcalf and Eddy
701 Edgewater Drive
Wakefield, MA 01880

Subject: **Pownal Tannery Superfund Site, Pownal, VT**
Subcontract # 3600100149, W/A # 150-RARA-01N9
EPA Response Action Contract No. 68-W6-0042

Re: **Perimeter Air Monitoring and Dust Control**
Report #1 for w/e September 20, 2003

Dear Mr. Thurber:

Referencing Section 01130 Perimeter Air Monitoring and Dust Control Plan of the Contract Documents and our Perimeter Air Monitoring & Dust Control Plan dated August 20, 2003, TANTARA Corporation (TANTARA) submits this weekly report for the week ending September 20, 2003.

Sampling Procedures
Air monitoring was performed continuously during work activities. In general, the air monitoring stations were installed at 0630, 30 minutes before the start of work activities. The air monitoring concluded 60 minutes after construction activities concluded. The locations of the air monitoring stations were consistent with the plan presented in the Perimeter Air Monitoring & Dust Control Plan. The station identification numbers and locations are summarized below.

Sample	Station ID	Location
Upwind Station	Tantara_3091_Upwind1	Southwest of Lagoon 5
Downwind Station	Tantara_9191_Downwind2	Northeast of Lagoon 2
Downwind Station	Tantara_9189_Downwind3	East of Lagoon 1

The air monitoring stations were mounted on a visibility posts and were installed approximately four (4) feet above the ground elevation. The locations were chosen to promote unrestricted air flow. The air monitoring date was obtained utilizing a MIE pDR-1000AN direct reading instrument. Measurements were conducted at one minute intervals and calculations and recordings were of a 10-minute time weighed average.

Calibration Procedures
All three (3) instruments were factory calibrated in accordance with manufactures recommendations. In addition, a field calibration was performed to zero the instrument. During the two (2) minute pre-run automatic zeroing sequence, the instrument registers its own optical background, stores that level in its memory, and then subtracts that background from all measured concentrations values.

14 Fall River Avenue Rehoboth, Massachusetts 02769 voice (508) 336-9622 facsimile (508) 336-9624

Summary of Meteorological Data

Monday – September 15, 2003	**Morning**	**Afternoon**
Temperature	55 F	83 F
Relative Humidity	83 %	88 %
Wind Direction	N / NE	N / NE
Wind Speed	0.6 – 2.5 mph	1.0 – 2.5 mph
Weather Conditions	Clear & Dry	Clear, Hot & Humid

Tuesday – September 16, 2003	**Morning**	**Afternoon**
Temperature	53 F	85 F
Relative Humidity	78 %	83 %
Wind Direction	Calm	N / NE
Wind Speed	0.0 mph	1.0 – 2.0 mph
Weather Conditions	Clear & Dry	Clear, Hot & Humid

Wednesday – September 17, 2003	**Morning**	**Afternoon**
Temperature	51 F	88 F
Relative Humidity	78 %	80 %
Wind Direction	S / SE	S / SE
Wind Speed	0.5 – 2.5 mph	2.0 – 2.5 mph
Weather Conditions	Clear & Dry	Hot & Humid

Thursday – September 18, 2003	**Morning**	**Afternoon**
Temperature	49 F	82 F
Relative Humidity	73 %	78 %
Wind Direction	Variable	Variable
Wind Speed	3.0 – 3.5 mph	4.0 – 5.5 mph
Weather Conditions	Clear & Dry	Overcast

Friday – September 19, 2003	**Morning**	**Afternoon**
Temperature	48 F	78 F
Relative Humidity	90 %	90 %
Wind Direction	S / SE	Variable
Wind Speed	2.0 - 2.5 mph	2.0 – 4.0 mph
Weather Conditions	Cloudy & Light Rain	Moderate Rain

Contaminant Levels

On Monday September 15, 2003, there were no exceedences of the 73 ug / m3 action level on both the upwind and downwind stations. There was a malfunction of the downwind station 3 during the morning last lost all data. The air monitoring station was restored at 1600.

On Wednesday September 17, 2003, there were exceedences on all three (3) air monitoring stations in the early morning. This may be attributed to particulates captured in the morning dew. In addition, the demolition of Debris Source #4 was proximate to the upwind station.

On Tuesday September 16, 2003, Thursday September 18, 2003 and Friday September 19, 2003 there were no exceedences. The crew was dismissed at 1200 on Friday September 19, 2003. Therefore, the data collection was completed at approximately 1300.

Please find attached the data from the three monitoring stations for the week.

Corrective Actions
On Wednesday September 17, 2003, Thursday September 18, 2003 and Friday September 19, 2003, TANTARA applied water on the access roads and the Lagoon 2 Area to control dust.

I you should have any questions or desire any additional information, please do not hesitate to contact this office.

Sincerely,

Christopher Pereira
Project Manager

Encl. Data from pDR-1000

Cc. J. Bajgar

DR-1000
Jser ID: Tantara_3091_Upwind1
Tag Number: 03
Number of logged points: 70
Start time and date: 06:35:44 15-Sep
Elapsed time: 11:40:00
ging period (sec): 600
ibration Factor (%): 100
Max Display Concentration: 0.329 mg/m³
Time at maximum: 07:03:36 Sep 15
Max STEL Concentration: 0.034 mg/m³
Time at max STEL: 07:15:44 Sep 15
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date	, Time	, Avg.(mg/m³)
1,	15 Sep,	06:45:44,	0.003
2,	15 Sep,	06:55:44,	0.003
3,	15 Sep,	07:05:44,	0.040
4,	15 Sep,	07:15:44,	0.016
5,	15 Sep,	07:25:44,	0.013
6,	15 Sep,	07:35:44,	0.007
7,	15 Sep,	07:45:44,	0.006
8,	15 Sep,	07:55:44,	0.005
9,	15 Sep,	08:05:44,	0.006
10,	15 Sep,	08:15:44,	0.006
11,	15 Sep,	08:25:44,	0.003
12,	15 Sep,	08:35:44,	0.005
13,	15 Sep,	08:45:44,	0.004
14,	15 Sep,	08:55:44,	0.007
15,	15 Sep,	09:05:44,	0.004
16,	15 Sep,	09:15:44,	0.002
17,	15 Sep,	09:25:44,	0.005
18,	15 Sep,	09:35:44,	0.004
19,	15 Sep,	09:45:44,	0.002
20,	15 Sep,	09:55:44,	0.005
21,	15 Sep,	10:05:44,	0.010
22,	15 Sep,	10:15:44,	0.006
23,	15 Sep,	10:25:44,	0.003
24,	15 Sep,	10:35:44,	0.004
25,	15 Sep,	10:45:44,	0.005
26,	15 Sep,	10:55:44,	0.002
27,	15 Sep,	11:05:44,	0.001
28,	15 Sep,	11:15:44,	0.001
29,	15 Sep,	11:25:44,	0.000
30,	15 Sep,	11:35:44,	0.000
31,	15 Sep,	11:45:44,	0.002
32,	15 Sep,	11:55:44,	0.002
33,	15 Sep,	12:05:44,	0.000
34,	15 Sep,	12:15:44,	0.000
35,	15 Sep,	12:25:44,	0.000
36,	15 Sep,	12:35:44,	0.001
37,	15 Sep,	12:45:44,	0.001
38,	15 Sep,	12:55:44,	0.001
39,	15 Sep,	13:05:44,	0.001
40,	15 Sep,	13:15:44,	0.001
41,	15 Sep,	13:25:44,	0.001
42,	15 Sep,	13:35:44,	0.004
43,	15 Sep,	13:45:44,	0.001
44,	15 Sep,	13:55:44,	0.001
45,	15 Sep,	14:05:44,	0.003
46,	15 Sep,	14:15:44,	0.001
47,	15 Sep,	14:25:44,	0.002
48,	15 Sep,	14:35:44,	0.001
49,	15 Sep,	14:45:44,	0.002
50,	15 Sep,	14:55:44,	0.002
51,	15 Sep,	15:05:44,	0.003
52,	15 Sep,	15:15:44,	0.002
53,	15 Sep,	15:25:44,	0.002
54,	15 Sep,	15:35:44,	0.002
55,	15 Sep,	15:45:44,	0.001

56,	15 Sep,	15:55:44,	0.000
57,	15 Sep,	16:05:44,	0.000
58,	15 Sep,	16:15:44,	0.000
59,	15 Sep,	16:25:44,	0.001
60,	15 Sep,	16:35:44,	0.001
61,	15 Sep,	16:45:44,	0.001
62,	15 Sep,	16:55:44,	0.001
63,	15 Sep,	17:05:44,	0.005
64,	15 Sep,	17:15:44,	0.001
65,	15 Sep,	17:25:44,	0.001
66,	15 Sep,	17:35:44,	0.002
67,	15 Sep,	17:45:44,	0.004
68,	15 Sep,	17:55:44,	0.002
69,	15 Sep,	18:05:44,	0.002
70,	15 Sep,	18:15:44,	0.002

DR-1000
User ID: Tantara_9191_Downwind2
Tag Number: 02
Number of logged points: 68
Start time and date: 06:56:15 15-Sep
Elapsed time: 11:20:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.098 mg/m³
Time at maximum: 06:59:01 Sep 15
Max STEL Concentration: 0.006 mg/m³
Time at max STEL: 07:01:15 Sep 15
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	15 Sep,	07:06:15,	0.011
2,	15 Sep,	07:16:15,	0.005
3,	15 Sep,	07:26:15,	0.004
4,	15 Sep,	07:36:15,	0.005
5,	15 Sep,	07:46:15,	0.002
6,	15 Sep,	07:56:15,	0.001
7,	15 Sep,	08:06:15,	0.001
8,	15 Sep,	08:16:15,	0.000
9,	15 Sep,	08:26:15,	0.000
10,	15 Sep,	08:36:15,	0.000
11,	15 Sep,	08:46:15,	0.000
12,	15 Sep,	08:56:15,	0.000
13,	15 Sep,	09:06:15,	0.000
14,	15 Sep,	09:16:15,	0.000
15,	15 Sep,	09:26:15,	0.000
16,	15 Sep,	09:36:15,	0.000
17,	15 Sep,	09:46:15,	0.000
18,	15 Sep,	09:56:15,	0.000
19,	15 Sep,	10:06:15,	0.000
20,	15 Sep,	10:16:15,	0.000
21,	15 Sep,	10:26:15,	0.000
22,	15 Sep,	10:36:15,	0.000
23,	15 Sep,	10:46:15,	0.000
24,	15 Sep,	10:56:15,	0.000
25,	15 Sep,	11:06:15,	0.000
26,	15 Sep,	11:16:15,	0.000
27,	15 Sep,	11:26:15,	0.000
28,	15 Sep,	11:36:15,	0.000
29,	15 Sep,	11:46:15,	0.000
30,	15 Sep,	11:56:15,	0.000
31,	15 Sep,	12:06:15,	0.000
32,	15 Sep,	12:16:15,	0.000
33,	15 Sep,	12:26:15,	0.000
34,	15 Sep,	12:36:15,	0.000
35,	15 Sep,	12:46:15,	0.000
36,	15 Sep,	12:56:15,	0.000
37,	15 Sep,	13:06:15,	0.000
38,	15 Sep,	13:16:15,	0.000
39,	15 Sep,	13:26:15,	0.000
40,	15 Sep,	13:36:15,	0.000
41,	15 Sep,	13:46:15,	0.000
42,	15 Sep,	13:56:15,	0.000
43,	15 Sep,	14:06:15,	0.000
44,	15 Sep,	14:16:15,	0.000
45,	15 Sep,	14:26:15,	0.000
46,	15 Sep,	14:36:15,	0.000
47,	15 Sep,	14:46:15,	0.000
48,	15 Sep,	14:56:15,	0.000
49,	15 Sep,	15:06:15,	0.000
50,	15 Sep,	15:16:15,	0.000
51,	15 Sep,	15:26:15,	0.000
52,	15 Sep,	15:36:15,	0.000
53,	15 Sep,	15:46:15,	0.000
54,	15 Sep,	15:56:15,	0.000
55,	15 Sep,	16:06:15,	0.006

56,	15 Sep,	16:16:15,	0.000
57,	15 Sep,	16:26:15,	0.000
58,	15 Sep,	16:36:15,	0.001
59,	15 Sep,	16:46:15,	0.000
60,	15 Sep,	16:56:15,	0.000
61,	15 Sep,	17:06:15,	0.000
62,	15 Sep,	17:16:15,	0.000
63,	15 Sep,	17:26:15,	0.000
64,	15 Sep,	17:36:15,	0.000
65,	15 Sep,	17:46:15,	0.000
66,	15 Sep,	17:56:15,	0.000
67,	15 Sep,	18:06:15,	0.000
68,	15 Sep,	18:16:15,	0.000

DR-1000
User ID: Tantara_9189_Downwind3
Tag Number: 02
Number of logged points: 15
Start time and date: 15:51:57 15-Sep
Elapsed time: 02:30:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.386 mg/m³
Time at maximum: 16:38:29 Sep 15
Max STEL Concentration: 0.008 mg/m³
Time at max STEL: 16:40:57 Sep 15
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date	, Time	, Avg.(mg/m³)
1,	15 Sep,	16:01:57,	0.000
2,	15 Sep,	16:11:57,	0.003
3,	15 Sep,	16:21:57,	0.000
4,	15 Sep,	16:31:57,	0.001
5,	15 Sep,	16:41:57,	0.036
6,	15 Sep,	16:51:57,	0.000
7,	15 Sep,	17:01:57,	0.000
8,	15 Sep,	17:11:57,	0.001
9,	15 Sep,	17:21:57,	0.003
10,	15 Sep,	17:31:57,	0.000
11,	15 Sep,	17:41:57,	0.001
12,	15 Sep,	17:51:57,	0.001
13,	15 Sep,	18:01:57,	0.002
14,	15 Sep,	18:11:57,	0.001
15,	15 Sep,	18:21:57,	0.001

DR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 01
Number of logged points: 71
Start time and date: 06:32:57 16-Sep
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.116 mg/m³
Time at maximum: 18:28:00 Sep 16
Max STEL Concentration: 0.003 mg/m³
Time at max STEL: 18:27:57 Sep 16
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date	, Time	, Avg.(mg/m³)
1,	16 Sep,	06:42:57,	0.004
2,	16 Sep,	06:52:57,	0.000
3,	16 Sep,	07:02:57,	0.000
4,	16 Sep,	07:12:57,	0.000
5,	16 Sep,	07:22:57,	0.000
6,	16 Sep,	07:32:57,	0.000
7,	16 Sep,	07:42:57,	0.000
8,	16 Sep,	07:52:57,	0.000
9,	16 Sep,	08:02:57,	0.000
10,	16 Sep,	08:12:57,	0.000
11,	16 Sep,	08:22:57,	0.000
12,	16 Sep,	08:32:57,	0.000
13,	16 Sep,	08:42:57,	0.000
14,	16 Sep,	08:52:57,	0.000
15,	16 Sep,	09:02:57,	0.000
16,	16 Sep,	09:12:57,	0.000
17,	16 Sep,	09:22:57,	0.000
18,	16 Sep,	09:32:57,	0.000
19,	16 Sep,	09:42:57,	0.000
20,	16 Sep,	09:52:57,	0.000
21,	16 Sep,	10:02:57,	0.000
22,	16 Sep,	10:12:57,	0.000
23,	16 Sep,	10:22:57,	0.000
24,	16 Sep,	10:32:57,	0.000
25,	16 Sep,	10:42:57,	0.000
26,	16 Sep,	10:52:57,	0.000
27,	16 Sep,	11:02:57,	0.000
28,	16 Sep,	11:12:57,	0.000
29,	16 Sep,	11:22:57,	0.000
30,	16 Sep,	11:32:57,	0.000
31,	16 Sep,	11:42:57,	0.000
32,	16 Sep,	11:52:57,	0.000
33,	16 Sep,	12:02:57,	0.000
34,	16 Sep,	12:12:57,	0.000
35,	16 Sep,	12:22:57,	0.000
36,	16 Sep,	12:32:57,	0.000
37,	16 Sep,	12:42:57,	0.000
38,	16 Sep,	12:52:57,	0.000
39,	16 Sep,	13:02:57,	0.000
40,	16 Sep,	13:12:57,	0.000
41,	16 Sep,	13:22:57,	0.001
42,	16 Sep,	13:32:57,	0.000
43,	16 Sep,	13:42:57,	0.000
44,	16 Sep,	13:52:57,	0.000
45,	16 Sep,	14:02:57,	0.000
46,	16 Sep,	14:12:57,	0.000
47,	16 Sep,	14:22:57,	0.000
48,	16 Sep,	14:32:57,	0.000
49,	16 Sep,	14:42:57,	0.000
50,	16 Sep,	14:52:57,	0.000
51,	16 Sep,	15:02:57,	0.001
52,	16 Sep,	15:12:57,	0.000
53,	16 Sep,	15:22:57,	0.000
54,	16 Sep,	15:32:57,	0.000
55,	16 Sep,	15:42:57,	0.000

56,	16 Sep,	15:52:57,	0.000
57,	16 Sep,	16:02:57,	0.002
58,	16 Sep,	16:12:57,	0.000
59,	16 Sep,	16:22:57,	0.000
60,	16 Sep,	16:32:57,	0.000
61,	16 Sep,	16:42:57,	0.000
62,	16 Sep,	16:52:57,	0.000
63,	16 Sep,	17:02:57,	0.000
64,	16 Sep,	17:12:57,	0.001
65,	16 Sep,	17:22:57,	0.000
66,	16 Sep,	17:32:57,	0.001
67,	16 Sep,	17:42:57,	0.001
68,	16 Sep,	17:52:57,	0.001
69,	16 Sep,	18:02:57,	0.001
70,	16 Sep,	18:12:57,	0.002
71,	16 Sep,	18:22:57,	0.002

DR-1000
User ID: Tantara_9191_Downwind2
Tag Number: 01
Number of logged points: 72
Start time and date: 06:32:30 16-Sep
Elapsed time: 12:00:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.174 mg/m³
Time at maximum: 06:35:03 Sep 16
Max STEL Concentration: 0.011 mg/m³
Time at max STEL: 06:35:30 Sep 16
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	16 Sep,	06:42:30,	0.020
2,	16 Sep,	06:52:30,	0.000
3,	16 Sep,	07:02:30,	0.000
4,	16 Sep,	07:12:30,	0.000
5,	16 Sep,	07:22:30,	0.000
6,	16 Sep,	07:32:30,	0.000
7,	16 Sep,	07:42:30,	0.000
8,	16 Sep,	07:52:30,	0.000
9,	16 Sep,	08:02:30,	0.000
10,	16 Sep,	08:12:30,	0.000
11,	16 Sep,	08:22:30,	0.000
12,	16 Sep,	08:32:30,	0.000
13,	16 Sep,	08:42:30,	0.000
14,	16 Sep,	08:52:30,	0.000
15,	16 Sep,	09:02:30,	0.000
16,	16 Sep,	09:12:30,	0.000
17,	16 Sep,	09:22:30,	0.000
18,	16 Sep,	09:32:30,	0.000
19,	16 Sep,	09:42:30,	0.000
20,	16 Sep,	09:52:30,	0.000
21,	16 Sep,	10:02:30,	0.000
22,	16 Sep,	10:12:30,	0.000
23,	16 Sep,	10:22:30,	0.000
24,	16 Sep,	10:32:30,	0.000
25,	16 Sep,	10:42:30,	0.000
26,	16 Sep,	10:52:30,	0.000
27,	16 Sep,	11:02:30,	0.000
28,	16 Sep,	11:12:30,	0.000
29,	16 Sep,	11:22:30,	0.000
30,	16 Sep,	11:32:30,	0.000
31,	16 Sep,	11:42:30,	0.000
32,	16 Sep,	11:52:30,	0.000
33,	16 Sep,	12:02:30,	0.000
34,	16 Sep,	12:12:30,	0.000
35,	16 Sep,	12:22:30,	0.000
36,	16 Sep,	12:32:30,	0.000
37,	16 Sep,	12:42:30,	0.000
38,	16 Sep,	12:52:30,	0.000
39,	16 Sep,	13:02:30,	0.000
40,	16 Sep,	13:12:30,	0.000
41,	16 Sep,	13:22:30,	0.000
42,	16 Sep,	13:32:30,	0.000
43,	16 Sep,	13:42:30,	0.000
44,	16 Sep,	13:52:30,	0.000
45,	16 Sep,	14:02:30,	0.000
46,	16 Sep,	14:12:30,	0.000
47,	16 Sep,	14:22:30,	0.000
48,	16 Sep,	14:32:30,	0.000
49,	16 Sep,	14:42:30,	0.000
50,	16 Sep,	14:52:30,	0.000
51,	16 Sep,	15:02:30,	0.000
52,	16 Sep,	15:12:30,	0.000
53,	16 Sep,	15:22:30,	0.008
54,	16 Sep,	15:32:30,	0.000
55,	16 Sep,	15:42:30,	0.000

56,	16 Sep,	15:52:30,	0.000
57,	16 Sep,	16:02:30,	0.000
58,	16 Sep,	16:12:30,	0.009
59,	16 Sep,	16:22:30,	0.000
60,	16 Sep,	16:32:30,	0.004
61,	16 Sep,	16:42:30,	0.003
62,	16 Sep,	16:52:30,	0.000
63,	16 Sep,	17:02:30,	0.000
64,	16 Sep,	17:12:30,	0.000
65,	16 Sep,	17:22:30,	0.001
66,	16 Sep,	17:32:30,	0.000
67,	16 Sep,	17:42:30,	0.000
68,	16 Sep,	17:52:30,	0.000
69,	16 Sep,	18:02:30,	0.000
70,	16 Sep,	18:12:30,	0.000
71,	16 Sep,	18:22:30,	0.001
72,	16 Sep,	18:32:30,	0.000

DR-1000
User ID: Tantara_9189_Downwind3
Tag Number: 01
Number of logged points: 72
Start time and date: 06:30:06 16-Sep
Elapsed time: 12:00:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.080 mg/m³
Time at maximum: 12:48:13 Sep 16
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 06:30:06 Sep 16
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	16 Sep,	06:40:06,	0.004
2,	16 Sep,	06:50:06,	0.003
3,	16 Sep,	07:00:06,	0.001
4,	16 Sep,	07:10:06,	0.000
5,	16 Sep,	07:20:06,	0.000
6,	16 Sep,	07:30:06,	0.001
7,	16 Sep,	07:40:06,	0.000
8,	16 Sep,	07:50:06,	0.000
9,	16 Sep,	08:00:06,	0.001
10,	16 Sep,	08:10:06,	0.000
11,	16 Sep,	08:20:06,	0.000
12,	16 Sep,	08:30:06,	0.000
13,	16 Sep,	08:40:06,	0.000
14,	16 Sep,	08:50:06,	0.001
15,	16 Sep,	09:00:06,	0.000
16,	16 Sep,	09:10:06,	0.001
17,	16 Sep,	09:20:06,	0.000
18,	16 Sep,	09:30:06,	0.004
19,	16 Sep,	09:40:06,	0.000
20,	16 Sep,	09:50:06,	0.000
21,	16 Sep,	10:00:06,	0.000
22,	16 Sep,	10:10:06,	0.001
23,	16 Sep,	10:20:06,	0.000
24,	16 Sep,	10:30:06,	0.000
25,	16 Sep,	10:40:06,	0.000
26,	16 Sep,	10:50:06,	0.000
27,	16 Sep,	11:00:06,	0.000
28,	16 Sep,	11:10:06,	0.000
29,	16 Sep,	11:20:06,	0.001
30,	16 Sep,	11:30:06,	0.000
31,	16 Sep,	11:40:06,	0.001
32,	16 Sep,	11:50:06,	0.000
33,	16 Sep,	12:00:06,	0.000
34,	16 Sep,	12:10:06,	0.000
35,	16 Sep,	12:20:06,	0.001
36,	16 Sep,	12:30:06,	0.000
37,	16 Sep,	12:40:06,	0.000
38,	16 Sep,	12:50:06,	0.004
39,	16 Sep,	13:00:06,	0.000
40,	16 Sep,	13:10:06,	0.000
41,	16 Sep,	13:20:06,	0.000
42,	16 Sep,	13:30:06,	0.000
43,	16 Sep,	13:40:06,	0.003
44,	16 Sep,	13:50:06,	0.001
45,	16 Sep,	14:00:06,	0.003
46,	16 Sep,	14:10:06,	0.001
47,	16 Sep,	14:20:06,	0.000
48,	16 Sep,	14:30:06,	0.004
49,	16 Sep,	14:40:06,	0.002
50,	16 Sep,	14:50:06,	0.002
51,	16 Sep,	15:00:06,	0.003
52,	16 Sep,	15:10:06,	0.001
53,	16 Sep,	15:20:06,	0.005
54,	16 Sep,	15:30:06,	0.000
55,	16 Sep,	15:40:06,	0.000

56,	16 Sep,	15:50:06,	0.001
57,	16 Sep,	16:00:06,	0.002
58,	16 Sep,	16:10:06,	0.003
59,	16 Sep,	16:20:06,	0.000
60,	16 Sep,	16:30:06,	0.000
61,	16 Sep,	16:40:06,	0.000
62,	16 Sep,	16:50:06,	0.000
63,	16 Sep,	17:00:06,	0.000
64,	16 Sep,	17:10:06,	0.000
65,	16 Sep,	17:20:06,	0.001
66,	16 Sep,	17:30:06,	0.000
67,	16 Sep,	17:40:06,	0.002
68,	16 Sep,	17:50:06,	0.000
69,	16 Sep,	18:00:06,	0.000
70,	16 Sep,	18:10:06,	0.000
71,	16 Sep,	18:20:06,	0.000
72,	16 Sep,	18:30:06,	0.002

DR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 02
Number of logged points: 71
Start time and date: 06:51:14 17-Sep
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.264 mg/m³
Time at maximum: 07:54:34 Sep 17
Max STEL Concentration: 0.117 mg/m³
Time at max STEL: 08:05:14 Sep 17
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date	Time	Avg.(mg/m³)	
1,	17 Sep,	07:01:14,	0.063	
2,	17 Sep,	07:11:14,	0.031	
3,	17 Sep,	07:21:14,	0.059	
4,	17 Sep,	07:31:14,	0.046	
5,	17 Sep,	07:41:14,	0.033	
6,	17 Sep,	07:51:14,	0.080	*
7,	17 Sep,	08:01:14,	0.113	*
8,	17 Sep,	08:11:14,	0.088	*
9,	17 Sep,	08:21:14,	0.040	
10,	17 Sep,	08:31:14,	0.033	
11,	17 Sep,	08:41:14,	0.027	
12,	17 Sep,	08:51:14,	0.006	
13,	17 Sep,	09:01:14,	0.000	
14,	17 Sep,	09:11:14,	0.001	
15,	17 Sep,	09:21:14,	0.000	
16,	17 Sep,	09:31:14,	0.000	
17,	17 Sep,	09:41:14,	0.000	
18,	17 Sep,	09:51:14,	0.000	
19,	17 Sep,	10:01:14,	0.000	
20,	17 Sep,	10:11:14,	0.000	
21,	17 Sep,	10:21:14,	0.000	
22,	17 Sep,	10:31:14,	0.000	
23,	17 Sep,	10:41:14,	0.000	
24,	17 Sep,	10:51:14,	0.000	
25,	17 Sep,	11:01:14,	0.000	
26,	17 Sep,	11:11:14,	0.000	
27,	17 Sep,	11:21:14,	0.000	
28,	17 Sep,	11:31:14,	0.000	
29,	17 Sep,	11:41:14,	0.000	
30,	17 Sep,	11:51:14,	0.000	
31,	17 Sep,	12:01:14,	0.000	
32,	17 Sep,	12:11:14,	0.000	
33,	17 Sep,	12:21:14,	0.000	
34,	17 Sep,	12:31:14,	0.000	
35,	17 Sep,	12:41:14,	0.000	
36,	17 Sep,	12:51:14,	0.000	
37,	17 Sep,	13:01:14,	0.000	
38,	17 Sep,	13:11:14,	0.000	
39,	17 Sep,	13:21:14,	0.000	
40,	17 Sep,	13:31:14,	0.000	
41,	17 Sep,	13:41:14,	0.000	
42,	17 Sep,	13:51:14,	0.001	
43,	17 Sep,	14:01:14,	0.003	
44,	17 Sep,	14:11:14,	0.001	
45,	17 Sep,	14:21:14,	0.001	
46,	17 Sep,	14:31:14,	0.000	
47,	17 Sep,	14:41:14,	0.000	
48,	17 Sep,	14:51:14,	0.000	
49,	17 Sep,	15:01:14,	0.000	
50,	17 Sep,	15:11:14,	0.000	
51,	17 Sep,	15:21:14,	0.000	
52,	17 Sep,	15:31:14,	0.001	
53,	17 Sep,	15:41:14,	0.000	
54,	17 Sep,	15:51:14,	0.000	
55,	17 Sep,	16:01:14,	0.000	

56,	17 Sep,	16:11:14,	0.000
57,	17 Sep,	16:21:14,	0.000
58,	17 Sep,	16:31:14,	0.000
59,	17 Sep,	16:41:14,	0.000
60,	17 Sep,	16:51:14,	0.000
61,	17 Sep,	17:01:14,	0.001
62,	17 Sep,	17:11:14,	0.000
63,	17 Sep,	17:21:14,	0.000
64,	17 Sep,	17:31:14,	0.001
65,	17 Sep,	17:41:14,	0.002
66,	17 Sep,	17:51:14,	0.000
67,	17 Sep,	18:01:14,	0.002
68,	17 Sep,	18:11:14,	0.001
69,	17 Sep,	18:21:14,	0.001
70,	17 Sep,	18:31:14,	0.003
71,	17 Sep,	18:41:14,	0.003

DR-1000
User ID: Tantara_9191_Downwind2
Tag Number: 03
Number of logged points: 68
Start time and date: 07:21:35 17-Sep
Elapsed time: 11:20:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.568 mg/m³
Time at maximum: 07:36:23 Sep 17
Max STEL Concentration: 0.248 mg/m³
Time at max STEL: 07:45:05 Sep 17
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date	Time	Avg.(mg/m³)
1,	17 Sep,	07:31:35,	0.055
2,	17 Sep,	07:41:35,	0.291 *
3,	17 Sep,	07:51:35,	0.107 *
4,	17 Sep,	08:01:35,	0.129 *
5,	17 Sep,	08:11:35,	0.136 *
6,	17 Sep,	08:21:35,	0.062
7,	17 Sep,	08:31:35,	0.021
8,	17 Sep,	08:41:35,	0.019
9,	17 Sep,	08:51:35,	0.000
10,	17 Sep,	09:01:35,	0.005
11,	17 Sep,	09:11:35,	0.000
12,	17 Sep,	09:21:35,	0.000
13,	17 Sep,	09:31:35,	0.000
14,	17 Sep,	09:41:35,	0.000
15,	17 Sep,	09:51:35,	0.000
16,	17 Sep,	10:01:35,	0.000
17,	17 Sep,	10:11:35,	0.000
18,	17 Sep,	10:21:35,	0.000
19,	17 Sep,	10:31:35,	0.000
20,	17 Sep,	10:41:35,	0.000
21,	17 Sep,	10:51:35,	0.000
22,	17 Sep,	11:01:35,	0.000
23,	17 Sep,	11:11:35,	0.000
24,	17 Sep,	11:21:35,	0.000
25,	17 Sep,	11:31:35,	0.000
26,	17 Sep,	11:41:35,	0.000
27,	17 Sep,	11:51:35,	0.000
28,	17 Sep,	12:01:35,	0.000
29,	17 Sep,	12:11:35,	0.000
30,	17 Sep,	12:21:35,	0.000
31,	17 Sep,	12:31:35,	0.000
32,	17 Sep,	12:41:35,	0.000
33,	17 Sep,	12:51:35,	0.000
34,	17 Sep,	13:01:35,	0.000
35,	17 Sep,	13:11:35,	0.010
36,	17 Sep,	13:21:35,	0.000
37,	17 Sep,	13:31:35,	0.004
38,	17 Sep,	13:41:35,	0.000
39,	17 Sep,	13:51:35,	0.000
40,	17 Sep,	14:01:35,	0.000
41,	17 Sep,	14:11:35,	0.000
42,	17 Sep,	14:21:35,	0.000
43,	17 Sep,	14:31:35,	0.000
44,	17 Sep,	14:41:35,	0.000
45,	17 Sep,	14:51:35,	0.000
46,	17 Sep,	15:01:35,	0.000
47,	17 Sep,	15:11:35,	0.000
48,	17 Sep,	15:21:35,	0.000
49,	17 Sep,	15:31:35,	0.000
50,	17 Sep,	15:41:35,	0.000
51,	17 Sep,	15:51:35,	0.000
52,	17 Sep,	16:01:35,	0.000
53,	17 Sep,	16:11:35,	0.000
54,	17 Sep,	16:21:35,	0.000
55,	17 Sep,	16:31:35,	0.000

56,	17 Sep,	16:41:35,	0.000
57,	17 Sep,	16:51:35,	0.000
58,	17 Sep,	17:01:35,	0.000
59,	17 Sep,	17:11:35,	0.000
60,	17 Sep,	17:21:35,	0.000
61,	17 Sep,	17:31:35,	0.000
62,	17 Sep,	17:41:35,	0.000
63,	17 Sep,	17:51:35,	0.000
64,	17 Sep,	18:01:35,	0.000
65,	17 Sep,	18:11:35,	0.000
66,	17 Sep,	18:21:35,	0.000
67,	17 Sep,	18:31:35,	0.000
68,	17 Sep,	18:41:35,	0.000

DR-1000
Jser ID: Tantara_9189_Downwind3
Tag Number: 02
Number of logged points: 72
Start time and date: 06:44:55 17-Sep
Elapsed time: 12:00:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 2.175 mg/m³
Time at maximum: 06:49:06 Sep 17
Max STEL Concentration: 0.135 mg/m³
Time at max STEL: 07:40:55 Sep 17
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	17 Sep,	06:54:55,	0.143 *
2,	17 Sep,	07:04:55,	0.018
3,	17 Sep,	07:14:55,	0.012
4,	17 Sep,	07:24:55,	0.033
5,	17 Sep,	07:34:55,	0.150 *
6,	17 Sep,	07:44:55,	0.080 *
7,	17 Sep,	07:54:55,	0.041
8,	17 Sep,	08:04:55,	0.090 *
9,	17 Sep,	08:14:55,	0.074 *
10,	17 Sep,	08:24:55,	0.068
11,	17 Sep,	08:34:55,	0.030
12,	17 Sep,	08:44:55,	0.008
13,	17 Sep,	08:54:55,	0.006
14,	17 Sep,	09:04:55,	0.000
15,	17 Sep,	09:14:55,	0.003
16,	17 Sep,	09:24:55,	0.000
17,	17 Sep,	09:34:55,	0.001
18,	17 Sep,	09:44:55,	0.001
19,	17 Sep,	09:54:55,	0.001
20,	17 Sep,	10:04:55,	0.000
21,	17 Sep,	10:14:55,	0.000
22,	17 Sep,	10:24:55,	0.000
23,	17 Sep,	10:34:55,	0.000
24,	17 Sep,	10:44:55,	0.004
25,	17 Sep,	10:54:55,	0.001
26,	17 Sep,	11:04:55,	0.001
27,	17 Sep,	11:14:55,	0.001
28,	17 Sep,	11:24:55,	0.001
29,	17 Sep,	11:34:55,	0.002
30,	17 Sep,	11:44:55,	0.002
31,	17 Sep,	11:54:55,	0.001
32,	17 Sep,	12:04:55,	0.000
33,	17 Sep,	12:14:55,	0.001
34,	17 Sep,	12:24:55,	0.000
35,	17 Sep,	12:34:55,	0.000
36,	17 Sep,	12:44:55,	0.000
37,	17 Sep,	12:54:55,	0.012
38,	17 Sep,	13:04:55,	0.000
39,	17 Sep,	13:14:55,	0.013
40,	17 Sep,	13:24:55,	0.019
41,	17 Sep,	13:34:55,	0.010
42,	17 Sep,	13:44:55,	0.016
43,	17 Sep,	13:54:55,	0.011
44,	17 Sep,	14:04:55,	0.019
45,	17 Sep,	14:14:55,	0.011
46,	17 Sep,	14:24:55,	0.021
47,	17 Sep,	14:34:55,	0.045
48,	17 Sep,	14:44:55,	0.011
49,	17 Sep,	14:54:55,	0.019
50,	17 Sep,	15:04:55,	0.000
51,	17 Sep,	15:14:55,	0.003
52,	17 Sep,	15:24:55,	0.010
53,	17 Sep,	15:34:55,	0.000
54,	17 Sep,	15:44:55,	0.004
55,	17 Sep,	15:54:55,	0.000

56,	17 Sep,	16:04:55,	0.001
57,	17 Sep,	16:14:55,	0.000
58,	17 Sep,	16:24:55,	0.000
59,	17 Sep,	16:34:55,	0.000
60,	17 Sep,	16:44:55,	0.000
61,	17 Sep,	16:54:55,	0.000
62,	17 Sep,	17:04:55,	0.000
63,	17 Sep,	17:14:55,	0.001
64,	17 Sep,	17:24:55,	0.001
65,	17 Sep,	17:34:55,	0.001
66,	17 Sep,	17:44:55,	0.002
67,	17 Sep,	17:54:55,	0.001
68,	17 Sep,	18:04:55,	0.001
69,	17 Sep,	18:14:55,	0.000
70,	17 Sep,	18:24:55,	0.000
71,	17 Sep,	18:34:55,	0.001
72,	17 Sep,	18:44:55,	0.001

DR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 03
Number of logged points: 71
Start time and date: 06:27:51 18-Sep
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.178 mg/m³
Time at maximum: 07:11:36 Sep 18
Max STEL Concentration: 0.047 mg/m³
Time at max STEL: 07:15:21 Sep 18
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg. (mg/m³)
1,	18 Sep,	06:37:51,	0.008
2,	18 Sep,	06:47:51,	0.008
3,	18 Sep,	06:57:51,	0.004
4,	18 Sep,	07:07:51,	0.040
5,	18 Sep,	07:17:51,	0.034
6,	18 Sep,	07:27:51,	0.012
7,	18 Sep,	07:37:51,	0.016
8,	18 Sep,	07:47:51,	0.015
9,	18 Sep,	07:57:51,	0.008
10,	18 Sep,	08:07:51,	0.004
11,	18 Sep,	08:17:51,	0.005
12,	18 Sep,	08:27:51,	0.001
13,	18 Sep,	08:37:51,	0.001
14,	18 Sep,	08:47:51,	0.002
15,	18 Sep,	08:57:51,	0.007
16,	18 Sep,	09:07:51,	0.008
17,	18 Sep,	09:17:51,	0.001
18,	18 Sep,	09:27:51,	0.005
19,	18 Sep,	09:37:51,	0.001
20,	18 Sep,	09:47:51,	0.002
21,	18 Sep,	09:57:51,	0.002
22,	18 Sep,	10:07:51,	0.001
23,	18 Sep,	10:17:51,	0.000
24,	18 Sep,	10:27:51,	0.002
25,	18 Sep,	10:37:51,	0.001
26,	18 Sep,	10:47:51,	0.000
27,	18 Sep,	10:57:51,	0.000
28,	18 Sep,	11:07:51,	0.000
29,	18 Sep,	11:17:51,	0.000
30,	18 Sep,	11:27:51,	0.000
31,	18 Sep,	11:37:51,	0.000
32,	18 Sep,	11:47:51,	0.000
33,	18 Sep,	11:57:51,	0.000
34,	18 Sep,	12:07:51,	0.000
35,	18 Sep,	12:17:51,	0.000
36,	18 Sep,	12:27:51,	0.000
37,	18 Sep,	12:37:51,	0.000
38,	18 Sep,	12:47:51,	0.000
39,	18 Sep,	12:57:51,	0.000
40,	18 Sep,	13:07:51,	0.000
41,	18 Sep,	13:17:51,	0.000
42,	18 Sep,	13:27:51,	0.000
43,	18 Sep,	13:37:51,	0.000
44,	18 Sep,	13:47:51,	0.000
45,	18 Sep,	13:57:51,	0.000
46,	18 Sep,	14:07:51,	0.000
47,	18 Sep,	14:17:51,	0.000
48,	18 Sep,	14:27:51,	0.000
49,	18 Sep,	14:37:51,	0.001
50,	18 Sep,	14:47:51,	0.000
51,	18 Sep,	14:57:51,	0.000
52,	18 Sep,	15:07:51,	0.002
53,	18 Sep,	15:17:51,	0.001
54,	18 Sep,	15:27:51,	0.000
55,	18 Sep,	15:37:51,	0.000

56,	18 Sep,	15:47:51,	0.000
57,	18 Sep,	15:57:51,	0.000
58,	18 Sep,	16:07:51,	0.000
59,	18 Sep,	16:17:51,	0.000
60,	18 Sep,	16:27:51,	0.000
61,	18 Sep,	16:37:51,	0.000
62,	18 Sep,	16:47:51,	0.000
63,	18 Sep,	16:57:51,	0.000
64,	18 Sep,	17:07:51,	0.000
65,	18 Sep,	17:17:51,	0.000
66,	18 Sep,	17:27:51,	0.001
67,	18 Sep,	17:37:51,	0.000
68,	18 Sep,	17:47:51,	0.001
69,	18 Sep,	17:57:51,	0.000
70,	18 Sep,	18:07:51,	0.001
71,	18 Sep,	18:17:51,	0.001

DR-1000

Jser ID: Tantara_9191_Downwind2
Tag Number: 04
Number of logged points: 70
Start time and date: 06:39:04 18-Sep
Elapsed time: 11:40:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.140 mg/m³
Time at maximum: 07:10:32 Sep 18
Max STEL Concentration: 0.044 mg/m³
Time at max STEL: 07:16:04 Sep 18
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	18 Sep,	06:49:04,	0.002
2,	18 Sep,	06:59:04,	0.005
3,	18 Sep,	07:09:04,	0.023
4,	18 Sep,	07:19:04,	0.048
5,	18 Sep,	07:29:04,	0.009
6,	18 Sep,	07:39:04,	0.011
7,	18 Sep,	07:49:04,	0.008
8,	18 Sep,	07:59:04,	0.001
9,	18 Sep,	08:09:04,	0.001
10,	18 Sep,	08:19:04,	0.000
11,	18 Sep,	08:29:04,	0.000
12,	18 Sep,	08:39:04,	0.000
13,	18 Sep,	08:49:04,	0.000
14,	18 Sep,	08:59:04,	0.000
15,	18 Sep,	09:09:04,	0.000
16,	18 Sep,	09:19:04,	0.001
17,	18 Sep,	09:29:04,	0.000
18,	18 Sep,	09:39:04,	0.000
19,	18 Sep,	09:49:04,	0.000
20,	18 Sep,	09:59:04,	0.000
21,	18 Sep,	10:09:04,	0.000
22,	18 Sep,	10:19:04,	0.000
23,	18 Sep,	10:29:04,	0.000
24,	18 Sep,	10:39:04,	0.002
25,	18 Sep,	10:49:04,	0.002
26,	18 Sep,	10:59:04,	0.000
27,	18 Sep,	11:09:04,	0.000
28,	18 Sep,	11:19:04,	0.003
29,	18 Sep,	11:29:04,	0.003
30,	18 Sep,	11:39:04,	0.000
31,	18 Sep,	11:49:04,	0.000
32,	18 Sep,	11:59:04,	0.000
33,	18 Sep,	12:09:04,	0.000
34,	18 Sep,	12:19:04,	0.000
35,	18 Sep,	12:29:04,	0.000
36,	18 Sep,	12:39:04,	0.000
37,	18 Sep,	12:49:04,	0.000
38,	18 Sep,	12:59:04,	0.000
39,	18 Sep,	13:09:04,	0.000
40,	18 Sep,	13:19:04,	0.000
41,	18 Sep,	13:29:04,	0.004
42,	18 Sep,	13:39:04,	0.001
43,	18 Sep,	13:49:04,	0.001
44,	18 Sep,	13:59:04,	0.000
45,	18 Sep,	14:09:04,	0.000
46,	18 Sep,	14:19:04,	0.000
47,	18 Sep,	14:29:04,	0.000
48,	18 Sep,	14:39:04,	0.000
49,	18 Sep,	14:49:04,	0.000
50,	18 Sep,	14:59:04,	0.000
51,	18 Sep,	15:09:04,	0.000
52,	18 Sep,	15:19:04,	0.000
53,	18 Sep,	15:29:04,	0.000
54,	18 Sep,	15:39:04,	0.000
55,	18 Sep,	15:49:04,	0.000

56,	18 Sep,	15:59:04,	0.000
57,	18 Sep,	16:09:04,	0.000
58,	18 Sep,	16:19:04,	0.000
59,	18 Sep,	16:29:04,	0.006
60,	18 Sep,	16:39:04,	0.000
61,	18 Sep,	16:49:04,	0.000
62,	18 Sep,	16:59:04,	0.000
63,	18 Sep,	17:09:04,	0.000
64,	18 Sep,	17:19:04,	0.003
65,	18 Sep,	17:29:04,	0.000
66,	18 Sep,	17:39:04,	0.000
67,	18 Sep,	17:49:04,	0.000
68,	18 Sep,	17:59:04,	0.000
69,	18 Sep,	18:09:04,	0.000
70,	18 Sep,	18:19:04,	0.000

21

DR-1000
Ser ID: Tantara_9189_Downwind3
ag Number: 03
umber of logged points: 71
tart time and date: 06:38:35 18-Sep
lapsed time: 11:50:00
ogging period (sec): 600
alibration Factor (%): 100
ax Display Concentration: 0.104 mg/m³
ime at maximum: 15:25:24 Sep 18
ax STEL Concentration: 0.005 mg/m³
ime at max STEL: 07:24:35 Sep 18
verall Avg Conc: 0.000 mg/m³
ogged Data:

Point,	Date	Time	Avg.(mg/m³)
1,	18 Sep,	06:48:35,	0.006
2,	18 Sep,	06:58:35,	0.002
3,	18 Sep,	07:08:35,	0.003
4,	18 Sep,	07:18:35,	0.005
5,	18 Sep,	07:28:35,	0.009
6,	18 Sep,	07:38:35,	0.004
7,	18 Sep,	07:48:35,	0.004
8,	18 Sep,	07:58:35,	0.002
9,	18 Sep,	08:08:35,	0.002
10,	18 Sep,	08:18:35,	0.002
11,	18 Sep,	08:28:35,	0.001
12,	18 Sep,	08:38:35,	0.002
13,	18 Sep,	08:48:35,	0.002
14,	18 Sep,	08:58:35,	0.004
15,	18 Sep,	09:08:35,	0.001
16,	18 Sep,	09:18:35,	0.001
17,	18 Sep,	09:28:35,	0.002
18,	18 Sep,	09:38:35,	0.000
19,	18 Sep,	09:48:35,	0.002
20,	18 Sep,	09:58:35,	0.000
21,	18 Sep,	10:08:35,	0.001
22,	18 Sep,	10:18:35,	0.001
23,	18 Sep,	10:28:35,	0.000
24,	18 Sep,	10:38:35,	0.000
25,	18 Sep,	10:48:35,	0.000
26,	18 Sep,	10:58:35,	0.000
27,	18 Sep,	11:08:35,	0.001
28,	18 Sep,	11:18:35,	0.000
29,	18 Sep,	11:28:35,	0.000
30,	18 Sep,	11:38:35,	0.000
31,	18 Sep,	11:48:35,	0.000
32,	18 Sep,	11:58:35,	0.000
33,	18 Sep,	12:08:35,	0.000
34,	18 Sep,	12:18:35,	0.001
35,	18 Sep,	12:28:35,	0.000
36,	18 Sep,	12:38:35,	0.000
37,	18 Sep,	12:48:35,	0.000
38,	18 Sep,	12:58:35,	0.000
39,	18 Sep,	13:08:35,	0.000
40,	18 Sep,	13:18:35,	0.001
41,	18 Sep,	13:28:35,	0.000
42,	18 Sep,	13:38:35,	0.000
43,	18 Sep,	13:48:35,	0.000
44,	18 Sep,	13:58:35,	0.000
45,	18 Sep,	14:08:35,	0.000
46,	18 Sep,	14:18:35,	0.000
47,	18 Sep,	14:28:35,	0.000
48,	18 Sep,	14:38:35,	0.000
49,	18 Sep,	14:48:35,	0.001
50,	18 Sep,	14:58:35,	0.000
51,	18 Sep,	15:08:35,	0.000
52,	18 Sep,	15:18:35,	0.002
53,	18 Sep,	15:28:35,	0.006
54,	18 Sep,	15:38:35,	0.000
55,	18 Sep,	15:48:35,	0.000

56,	18 Sep,	15:58:35,	0.000
57,	18 Sep,	16:08:35,	0.000
58,	18 Sep,	16:18:35,	0.000
59,	18 Sep,	16:28:35,	0.005
60,	18 Sep,	16:38:35,	0.000
61,	18 Sep,	16:48:35,	0.003
62,	18 Sep,	16:58:35,	0.000
63,	18 Sep,	17:08:35,	0.000
64,	18 Sep,	17:18:35,	0.000
65,	18 Sep,	17:28:35,	0.000
66,	18 Sep,	17:38:35,	0.000
67,	18 Sep,	17:48:35,	0.001
68,	18 Sep,	17:58:35,	0.000
69,	18 Sep,	18:08:35,	0.001
70,	18 Sep,	18:18:35,	0.000
71,	18 Sep,	18:28:35,	0.003

DR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 04
Number of logged points: 36
Start time and date: 06:41:00 19-Sep
Elapsed time: 06:00:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.061 mg/m³
Time at maximum: 06:46:24 Sep 19
Max STEL Concentration: 0.004 mg/m³
Time at max STEL: 06:47:30 Sep 19
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	19 Sep,	06:51:00,	0.006
2,	19 Sep,	07:01:00,	0.001
3,	19 Sep,	07:11:00,	0.001
4,	19 Sep,	07:21:00,	0.000
5,	19 Sep,	07:31:00,	0.000
6,	19 Sep,	07:41:00,	0.000
7,	19 Sep,	07:51:00,	0.000
8,	19 Sep,	08:01:00,	0.000
9,	19 Sep,	08:11:00,	0.000
10,	19 Sep,	08:21:00,	0.000
11,	19 Sep,	08:31:00,	0.000
12,	19 Sep,	08:41:00,	0.000
13,	19 Sep,	08:51:00,	0.000
14,	19 Sep,	09:01:00,	0.000
15,	19 Sep,	09:11:00,	0.000
16,	19 Sep,	09:21:00,	0.000
17,	19 Sep,	09:31:00,	0.000
18,	19 Sep,	09:41:00,	0.000
19,	19 Sep,	09:51:00,	0.000
20,	19 Sep,	10:01:00,	0.000
21,	19 Sep,	10:11:00,	0.000
22,	19 Sep,	10:21:00,	0.000
23,	19 Sep,	10:31:00,	0.000
24,	19 Sep,	10:41:00,	0.000
25,	19 Sep,	10:51:00,	0.000
26,	19 Sep,	11:01:00,	0.000
27,	19 Sep,	11:11:00,	0.000
28,	19 Sep,	11:21:00,	0.000
29,	19 Sep,	11:31:00,	0.000
30,	19 Sep,	11:41:00,	0.000
31,	19 Sep,	11:51:00,	0.000
32,	19 Sep,	12:01:00,	0.000
33,	19 Sep,	12:11:00,	0.000
34,	19 Sep,	12:21:00,	0.000
35,	19 Sep,	12:31:00,	0.000
36,	19 Sep,	12:41:00,	0.000

On Thursday September 25, 2003, TANTARA again experienced heavy rains and concluded air monitoring program at 1700. On Friday September 25, 2003 light rain fell and the stations were removed at 1500.

Please find attached the data from the three monitoring stations for the week.

Corrective Actions

On Monday September 22, 2003, and Wednesday September 24, 2003, TANTARA applied water on the access roads and the Lagoon 2 Area to control dust. During the remaining days of this week, heavy rains and wet conditions kept the roads from generating dust.

I you should have any questions or desire any additional information, please do not hesitate to contact this office.

Sincerely,

Christopher Pereira
Project Manager

Encl. Data from pDR-1000

Cc. J. Bajgar

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 05
Number of logged points: 72
Start time and date: 06:23:47 22-Sep
Elapsed time: 12:00:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.062 mg/m³
Time at maximum: 11:37:19 Sep 22
Max STEL Concentration: 0.018 mg/m³
Time at max STEL: 17:49:47 Sep 22
Overall Avg Conc: 0.004 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	22 Sep,	06:33:47,	0.003
2,	22 Sep,	06:43:47,	0.005
3,	22 Sep,	06:53:47,	0.002
4,	22 Sep,	07:03:47,	0.002
5,	22 Sep,	07:13:47,	0.007
6,	22 Sep,	07:23:47,	0.010
7,	22 Sep,	07:33:47,	0.011
8,	22 Sep,	07:43:47,	0.014
9,	22 Sep,	07:53:47,	0.010
10,	22 Sep,	08:03:47,	0.004
11,	22 Sep,	08:13:47,	0.003
12,	22 Sep,	08:23:47,	0.002
13,	22 Sep,	08:33:47,	0.000
14,	22 Sep,	08:43:47,	0.000
15,	22 Sep,	08:53:47,	0.001
16,	22 Sep,	09:03:47,	0.000
17,	22 Sep,	09:13:47,	0.002
18,	22 Sep,	09:23:47,	0.000
19,	22 Sep,	09:33:47,	0.001
20,	22 Sep,	09:43:47,	0.000
21,	22 Sep,	09:53:47,	0.001
22,	22 Sep,	10:03:47,	0.001
23,	22 Sep,	10:13:47,	0.000
24,	22 Sep,	10:23:47,	0.001
25,	22 Sep,	10:33:47,	0.001
26,	22 Sep,	10:43:47,	0.001
27,	22 Sep,	10:53:47,	0.000
28,	22 Sep,	11:03:47,	0.001
29,	22 Sep,	11:13:47,	0.000
30,	22 Sep,	11:23:47,	0.000
31,	22 Sep,	11:33:47,	0.001
32,	22 Sep,	11:43:47,	0.004
33,	22 Sep,	11:53:47,	0.000
34,	22 Sep,	12:03:47,	0.000
35,	22 Sep,	12:13:47,	0.000
36,	22 Sep,	12:23:47,	0.001
37,	22 Sep,	12:33:47,	0.000
38,	22 Sep,	12:43:47,	0.000
39,	22 Sep,	12:53:47,	0.001
40,	22 Sep,	13:03:47,	0.000
41,	22 Sep,	13:13:47,	0.001
42,	22 Sep,	13:23:47,	0.001
43,	22 Sep,	13:33:47,	0.001
44,	22 Sep,	13:43:47,	0.001
45,	22 Sep,	13:53:47,	0.001
46,	22 Sep,	14:03:47,	0.002
47,	22 Sep,	14:13:47,	0.002
48,	22 Sep,	14:23:47,	0.003
49,	22 Sep,	14:33:47,	0.005
50,	22 Sep,	14:43:47,	0.004
51,	22 Sep,	14:53:47,	0.002
52,	22 Sep,	15:03:47,	0.003
53,	22 Sep,	15:13:47,	0.004
54,	22 Sep,	15:23:47,	0.005
55,	22 Sep,	15:33:47,	0.006

56,	22 Sep,	15:43:47,	0.007
57,	22 Sep,	15:53:47,	0.008
58,	22 Sep,	16:03:47,	0.009
59,	22 Sep,	16:13:47,	0.009
60,	22 Sep,	16:23:47,	0.010
61,	22 Sep,	16:33:47,	0.011
62,	22 Sep,	16:43:47,	0.010
63,	22 Sep,	16:53:47,	0.009
64,	22 Sep,	17:03:47,	0.010
65,	22 Sep,	17:13:47,	0.011
66,	22 Sep,	17:23:47,	0.015
67,	22 Sep,	17:33:47,	0.013
68,	22 Sep,	17:43:47,	0.017
69,	22 Sep,	17:53:47,	0.017
70,	22 Sep,	18:03:47,	0.014
71,	22 Sep,	18:13:47,	0.014
72,	22 Sep,	18:23:47,	0.015

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 06
Number of logged points: 73
Start time and date: 06:23:13 22-Sep
Elapsed time: 12:10:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.207 mg/m³
Time at maximum: 16:59:56 Sep 22
Max STEL Concentration: 0.046 mg/m³
Time at max STEL: 17:10:44 Sep 22
Overall Avg Conc: 0.002 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	22 Sep,	06:33:13,	0.003
2,	22 Sep,	06:43:13,	0.011
3,	22 Sep,	06:53:13,	0.001
4,	22 Sep,	07:03:13,	0.002
5,	22 Sep,	07:13:13,	0.001
6,	22 Sep,	07:23:13,	0.000
7,	22 Sep,	07:33:13,	0.000
8,	22 Sep,	07:43:13,	0.000
9,	22 Sep,	07:53:13,	0.000
10,	22 Sep,	08:03:13,	0.000
11,	22 Sep,	08:13:13,	0.000
12,	22 Sep,	08:23:13,	0.000
13,	22 Sep,	08:33:13,	0.000
14,	22 Sep,	08:43:13,	0.000
15,	22 Sep,	08:53:13,	0.000
16,	22 Sep,	09:03:13,	0.001
17,	22 Sep,	09:13:13,	0.000
18,	22 Sep,	09:23:13,	0.000
19,	22 Sep,	09:33:13,	0.000
20,	22 Sep,	09:43:13,	0.000
21,	22 Sep,	09:53:13,	0.000
22,	22 Sep,	10:03:13,	0.001
23,	22 Sep,	10:13:13,	0.000
24,	22 Sep,	10:23:13,	0.001
25,	22 Sep,	10:33:13,	0.000
26,	22 Sep,	10:43:13,	0.002
27,	22 Sep,	10:53:13,	0.004
28,	22 Sep,	11:03:13,	0.002
29,	22 Sep,	11:13:13,	0.000
30,	22 Sep,	11:23:13,	0.000
31,	22 Sep,	11:33:13,	0.001
32,	22 Sep,	11:43:13,	0.002
33,	22 Sep,	11:53:13,	0.001
34,	22 Sep,	12:03:13,	0.000
35,	22 Sep,	12:13:13,	0.000
36,	22 Sep,	12:23:13,	0.000
37,	22 Sep,	12:33:13,	0.000
38,	22 Sep,	12:43:13,	0.000
39,	22 Sep,	12:53:13,	0.000
40,	22 Sep,	13:03:13,	0.002
41,	22 Sep,	13:13:13,	0.002
42,	22 Sep,	13:23:13,	0.000
43,	22 Sep,	13:33:13,	0.003
44,	22 Sep,	13:43:13,	0.005
45,	22 Sep,	13:53:13,	0.005
46,	22 Sep,	14:03:13,	0.002
47,	22 Sep,	14:13:13,	0.001
48,	22 Sep,	14:23:13,	0.006
49,	22 Sep,	14:33:13,	0.006
50,	22 Sep,	14:43:13,	0.004
51,	22 Sep,	14:53:13,	0.002
52,	22 Sep,	15:03:13,	0.010
53,	22 Sep,	15:13:13,	0.008
54,	22 Sep,	15:23:13,	0.006
55,	22 Sep,	15:33:13,	0.007

56,	22	Sep,	15:43:13,	0.010
57,	22	Sep,	15:53:13,	0.005
58,	22	Sep,	16:03:13,	0.007
59,	22	Sep,	16:13:13,	0.005
60,	22	Sep,	16:23:13,	0.003
61,	22	Sep,	16:33:13,	0.004
62,	22	Sep,	16:43:13,	0.019
63,	22	Sep,	16:53:13,	0.013
64,	22	Sep,	17:03:13,	0.045
65,	22	Sep,	17:13:13,	0.033
66,	22	Sep,	17:23:13,	0.003
67,	22	Sep,	17:33:13,	0.002
68,	22	Sep,	17:43:13,	0.004
69,	22	Sep,	17:53:13,	0.005
70,	22	Sep,	18:03:13,	0.003
71,	22	Sep,	18:13:13,	0.003
72,	22	Sep,	18:23:13,	0.007
73,	22	Sep,	18:33:13,	0.004

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 05
Number of logged points: 73
Start time and date: 06:23:53 22-Sep
Elapsed time: 12:10:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.280 mg/m³
Time at maximum: 15:06:09 Sep 22
Max STEL Concentration: 0.022 mg/m³
Time at max STEL: 08:07:53 Sep 22
Overall Avg Conc: 0.001 mg/m³
Logged Data:

Point,	Date	, Time	, Avg.(mg/m³)
1,	22 Sep,	06:33:53,	0.005
2,	22 Sep,	06:43:53,	0.003
3,	22 Sep,	06:53:53,	0.003
4,	22 Sep,	07:03:53,	0.001
5,	22 Sep,	07:13:53,	0.002
6,	22 Sep,	07:23:53,	0.004
7,	22 Sep,	07:33:53,	0.015
8,	22 Sep,	07:43:53,	0.019
9,	22 Sep,	07:53:53,	0.020
10,	22 Sep,	08:03:53,	0.020
11,	22 Sep,	08:13:53,	0.018
12,	22 Sep,	08:23:53,	0.005
13,	22 Sep,	08:33:53,	0.000
14,	22 Sep,	08:43:53,	0.002
15,	22 Sep,	08:53:53,	0.001
16,	22 Sep,	09:03:53,	0.001
17,	22 Sep,	09:13:53,	0.002
18,	22 Sep,	09:23:53,	0.002
19,	22 Sep,	09:33:53,	0.001
20,	22 Sep,	09:43:53,	0.001
21,	22 Sep,	09:53:53,	0.001
22,	22 Sep,	10:03:53,	0.002
23,	22 Sep,	10:13:53,	0.001
24,	22 Sep,	10:23:53,	0.001
25,	22 Sep,	10:33:53,	0.001
26,	22 Sep,	10:43:53,	0.002
27,	22 Sep,	10:53:53,	0.001
28,	22 Sep,	11:03:53,	0.004
29,	22 Sep,	11:13:53,	0.000
30,	22 Sep,	11:23:53,	0.000
31,	22 Sep,	11:33:53,	0.002
32,	22 Sep,	11:43:53,	0.000
33,	22 Sep,	11:53:53,	0.000
34,	22 Sep,	12:03:53,	0.004
35,	22 Sep,	12:13:53,	0.010
36,	22 Sep,	12:23:53,	0.000
37,	22 Sep,	12:33:53,	0.001
38,	22 Sep,	12:43:53,	0.000
39,	22 Sep,	12:53:53,	0.000
40,	22 Sep,	13:03:53,	0.003
41,	22 Sep,	13:13:53,	0.005
42,	22 Sep,	13:23:53,	0.000
43,	22 Sep,	13:33:53,	0.000
44,	22 Sep,	13:43:53,	0.001
45,	22 Sep,	13:53:53,	0.003
46,	22 Sep,	14:03:53,	0.000
47,	22 Sep,	14:13:53,	0.000
48,	22 Sep,	14:23:53,	0.003
49,	22 Sep,	14:33:53,	0.000
50,	22 Sep,	14:43:53,	0.002
51,	22 Sep,	14:53:53,	0.001
52,	22 Sep,	15:03:53,	0.001
53,	22 Sep,	15:13:53,	0.015
54,	22 Sep,	15:23:53,	0.001
55,	22 Sep,	15:33:53,	0.001

56,	22 Sep,	15:43:53,	0.008
57,	22 Sep,	15:53:53,	0.002
58,	22 Sep,	16:03:53,	0.002
59,	22 Sep,	16:13:53,	0.002
60,	22 Sep,	16:23:53,	0.003
61,	22 Sep,	16:33:53,	0.003
62,	22 Sep,	16:43:53,	0.013
63,	22 Sep,	16:53:53,	0.003
64,	22 Sep,	17:03:53,	0.004
65,	22 Sep,	17:13:53,	0.004
66,	22 Sep,	17:23:53,	0.006
67,	22 Sep,	17:33:53,	0.006
68,	22 Sep,	17:43:53,	0.009
69,	22 Sep,	17:53:53,	0.008
70,	22 Sep,	18:03:53,	0.008
71,	22 Sep,	18:13:53,	0.010
72,	22 Sep,	18:23:53,	0.020
73,	22 Sep,	18:33:53,	0.012

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 06
Number of logged points: 24
Start time and date: 06:33:40 23-Sep
Elapsed time: 04:00:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.068 mg/m³
Time at maximum: 07:50:25 Sep 23
Max STEL Concentration: 0.023 mg/m³
Time at max STEL: 07:53:40 Sep 23
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	23 Sep,	06:43:40,	0.001
2,	23 Sep,	06:53:40,	0.001
3,	23 Sep,	07:03:40,	0.000
4,	23 Sep,	07:13:40,	0.001
5,	23 Sep,	07:23:40,	0.003
6,	23 Sep,	07:33:40,	0.007
7,	23 Sep,	07:43:40,	0.013
8,	23 Sep,	07:53:40,	0.026
9,	23 Sep,	08:03:40,	0.015
10,	23 Sep,	08:13:40,	0.010
11,	23 Sep,	08:23:40,	0.004
12,	23 Sep,	08:33:40,	0.000
13,	23 Sep,	08:43:40,	0.000
14,	23 Sep,	08:53:40,	0.000
15,	23 Sep,	09:03:40,	0.000
16,	23 Sep,	09:13:40,	0.000
17,	23 Sep,	09:23:40,	0.000
18,	23 Sep,	09:33:40,	0.000
19,	23 Sep,	09:43:40,	0.000
20,	23 Sep,	09:53:40,	0.000
21,	23 Sep,	10:03:40,	0.000
22,	23 Sep,	10:13:40,	0.000
23,	23 Sep,	10:23:40,	0.000
24,	23 Sep,	10:33:40,	0.000

Air monitoring concluded due to heavy rains.

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 07
Number of logged points: 23
Start time and date: 06:33:13 23-Sep
Elapsed time: 03:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.096 mg/m³
Time at maximum: 07:50:39 Sep 23
Max STEL Concentration: 0.030 mg/m³
Time at max STEL: 07:54:13 Sep 23
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	23 Sep,	06:43:13,	0.001
2,	23 Sep,	06:53:13,	0.000
3,	23 Sep,	07:03:13,	0.000
4,	23 Sep,	07:13:13,	0.000
5,	23 Sep,	07:23:13,	0.002
6,	23 Sep,	07:33:13,	0.003
7,	23 Sep,	07:43:13,	0.009
8,	23 Sep,	07:53:13,	0.036
9,	23 Sep,	08:03:13,	0.012
10,	23 Sep,	08:13:13,	0.003
11,	23 Sep,	08:23:13,	0.000
12,	23 Sep,	08:33:13,	0.001
13,	23 Sep,	08:43:13,	0.000
14,	23 Sep,	08:53:13,	0.000
15,	23 Sep,	09:03:13,	0.000
16,	23 Sep,	09:13:13,	0.000
17,	23 Sep,	09:23:13,	0.000
18,	23 Sep,	09:33:13,	0.001
19,	23 Sep,	09:43:13,	0.001
20,	23 Sep,	09:53:13,	0.005
21,	23 Sep,	10:03:13,	0.000
22,	23 Sep,	10:13:13,	0.000
23,	23 Sep,	10:23:13,	0.011

Air Monitoring concluded due to heavy rains

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 06
Number of logged points: 24
Start time and date: 06:33:53 23-Sep
Elapsed time: 04:00:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.044 mg/m³
Time at maximum: 07:28:23 Sep 23
Max STEL Concentration: 0.008 mg/m³
Time at max STEL: 07:58:53 Sep 23
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date	Time	Avg.(mg/m³)
1,	23 Sep,	06:43:53,	0.000
2,	23 Sep,	06:53:53,	0.000
3,	23 Sep,	07:03:53,	0.000
4,	23 Sep,	07:13:53,	0.000
5,	23 Sep,	07:23:53,	0.002
6,	23 Sep,	07:33:53,	0.005
7,	23 Sep,	07:43:53,	0.003
8,	23 Sep,	07:53:53,	0.009
9,	23 Sep,	08:03:53,	0.004
10,	23 Sep,	08:13:53,	0.001
11,	23 Sep,	08:23:53,	0.000
12,	23 Sep,	08:33:53,	0.000
13,	23 Sep,	08:43:53,	0.000
14,	23 Sep,	08:53:53,	0.000
15,	23 Sep,	09:03:53,	0.000
16,	23 Sep,	09:13:53,	0.000
17,	23 Sep,	09:23:53,	0.000
18,	23 Sep,	09:33:53,	0.000
19,	23 Sep,	09:43:53,	0.000
20,	23 Sep,	09:53:53,	0.000
21,	23 Sep,	10:03:53,	0.000
22,	23 Sep,	10:13:53,	0.000
23,	23 Sep,	10:23:53,	0.002
24,	23 Sep,	10:33:53,	0.000

Air monitoring concluded due to heavy rains.

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 07
Number of logged points: 1
Start time and date: 06:36:47 24-Sep
Elapsed time: 00:10:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.297 mg/m³
Time at maximum: 06:36:48 Sep 24
Max STEL Concentration: 0.079 mg/m³
Time at max STEL: 06:48:17 Sep 24
Overall Avg Conc: 0.104 mg/m³
Logged Data:

Point,	Date	, Time	, Avg.(mg/m³)
1,	24 Sep,	06:46:47,	0.092

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 08
Number of logged points: 71
Start time and date: 06:50:37 24-Sep
Elapsed time: 11:50:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.549 mg/m³
Time at maximum: 06:50:38 Sep 24
Max STEL Concentration: 0.145 mg/m³
Time at max STEL: 07:03:37 Sep 24
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	24 Sep,	07:00:37,	0.196
2,	24 Sep,	07:10:37,	0.044
3,	24 Sep,	07:20:37,	0.000
4,	24 Sep,	07:30:37,	0.000
5,	24 Sep,	07:40:37,	0.000
6,	24 Sep,	07:50:37,	0.000
7,	24 Sep,	08:00:37,	0.000
8,	24 Sep,	08:10:37,	0.000
9,	24 Sep,	08:20:37,	0.000
10,	24 Sep,	08:30:37,	0.000
11,	24 Sep,	08:40:37,	0.000
12,	24 Sep,	08:50:37,	0.000
13,	24 Sep,	09:00:37,	0.000
14,	24 Sep,	09:10:37,	0.000
15,	24 Sep,	09:20:37,	0.000
16,	24 Sep,	09:30:37,	0.000
17,	24 Sep,	09:40:37,	0.000
18,	24 Sep,	09:50:37,	0.000
19,	24 Sep,	10:00:37,	0.000
20,	24 Sep,	10:10:37,	0.000
21,	24 Sep,	10:20:37,	0.000
22,	24 Sep,	10:30:37,	0.000
23,	24 Sep,	10:40:37,	0.000
24,	24 Sep,	10:50:37,	0.000
25,	24 Sep,	11:00:37,	0.000
26,	24 Sep,	11:10:37,	0.000
27,	24 Sep,	11:20:37,	0.000
28,	24 Sep,	11:30:37,	0.000
29,	24 Sep,	11:40:37,	0.000
30,	24 Sep,	11:50:37,	0.000
31,	24 Sep,	12:00:37,	0.000
32,	24 Sep,	12:10:37,	0.000
33,	24 Sep,	12:20:37,	0.000
34,	24 Sep,	12:30:37,	0.000
35,	24 Sep,	12:40:37,	0.000
36,	24 Sep,	12:50:37,	0.000
37,	24 Sep,	13:00:37,	0.000
38,	24 Sep,	13:10:37,	0.000
39,	24 Sep,	13:20:37,	0.000
40,	24 Sep,	13:30:37,	0.000
41,	24 Sep,	13:40:37,	0.000
42,	24 Sep,	13:50:37,	0.002
43,	24 Sep,	14:00:37,	0.002
44,	24 Sep,	14:10:37,	0.000
45,	24 Sep,	14:20:37,	0.000
46,	24 Sep,	14:30:37,	0.000
47,	24 Sep,	14:40:37,	0.000
48,	24 Sep,	14:50:37,	0.000
49,	24 Sep,	15:00:37,	0.000
50,	24 Sep,	15:10:37,	0.000
51,	24 Sep,	15:20:37,	0.000
52,	24 Sep,	15:30:37,	0.000
53,	24 Sep,	15:40:37,	0.000
54,	24 Sep,	15:50:37,	0.000
55,	24 Sep,	16:00:37,	0.000

56,	24 Sep,	16:10:37,	0.000
57,	24 Sep,	16:20:37,	0.000
58,	24 Sep,	16:30:37,	0.000
59,	24 Sep,	16:40:37,	0.000
60,	24 Sep,	16:50:37,	0.000
61,	24 Sep,	17:00:37,	0.000
62,	24 Sep,	17:10:37,	0.000
63,	24 Sep,	17:20:37,	0.000
64,	24 Sep,	17:30:37,	0.002
65,	24 Sep,	17:40:37,	0.000
66,	24 Sep,	17:50:37,	0.001
67,	24 Sep,	18:00:37,	0.000
68,	24 Sep,	18:10:37,	0.000
69,	24 Sep,	18:20:37,	0.001
70,	24 Sep,	18:30:37,	0.000
71,	24 Sep,	18:40:37,	0.002

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 08
Number of logged points: 2
Start time and date: 06:37:37 24-Sep
Elapsed time: 00:20:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.523 mg/m³
Time at maximum: 06:55:02 Sep 24
Max STEL Concentration: 0.254 mg/m³
Time at max STEL: 06:58:37 Sep 24
Overall Avg Conc: 0.208 mg/m³
Logged Data:

Point,	Date	Time	Avg.(mg/m³)	
1,	24 Sep,	06:47:37,	0.122	*
2,	24 Sep,	06:57:37,	0.285	*

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 09
Number of logged points: 70
Start time and date: 07:02:15 24-Sep
Elapsed time: 11:40:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.000 mg/m³
Time at maximum: 07:02:15 Sep 24
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 07:02:15 Sep 24
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	24 Sep,	07:12:15,	0.002
2,	24 Sep,	07:22:15,	0.000
3,	24 Sep,	07:32:15,	0.002
4,	24 Sep,	07:42:15,	0.001
5,	24 Sep,	07:52:15,	0.000
6,	24 Sep,	08:02:15,	0.000
7,	24 Sep,	08:12:15,	0.000
8,	24 Sep,	08:22:15,	0.000
9,	24 Sep,	08:32:15,	0.000
10,	24 Sep,	08:42:15,	0.000
11,	24 Sep,	08:52:15,	0.000
12,	24 Sep,	09:02:15,	0.000
13,	24 Sep,	09:12:15,	0.000
14,	24 Sep,	09:22:15,	0.000
15,	24 Sep,	09:32:15,	0.000
16,	24 Sep,	09:42:15,	0.000
17,	24 Sep,	09:52:15,	0.000
18,	24 Sep,	10:02:15,	0.000
19,	24 Sep,	10:12:15,	0.000
20,	24 Sep,	10:22:15,	0.000
21,	24 Sep,	10:32:15,	0.000
22,	24 Sep,	10:42:15,	0.000
23,	24 Sep,	10:52:15,	0.000
24,	24 Sep,	11:02:15,	0.000
25,	24 Sep,	11:12:15,	0.000
26,	24 Sep,	11:22:15,	0.000
27,	24 Sep,	11:32:15,	0.000
28,	24 Sep,	11:42:15,	0.000
29,	24 Sep,	11:52:15,	0.000
30,	24 Sep,	12:02:15,	0.000
31,	24 Sep,	12:12:15,	0.000
32,	24 Sep,	12:22:15,	0.000
33,	24 Sep,	12:32:15,	0.000
34,	24 Sep,	12:42:15,	0.000
35,	24 Sep,	12:52:15,	0.000
36,	24 Sep,	13:02:15,	0.000
37,	24 Sep,	13:12:15,	0.000
38,	24 Sep,	13:22:15,	0.000
39,	24 Sep,	13:32:15,	0.000
40,	24 Sep,	13:42:15,	0.000
41,	24 Sep,	13:52:15,	0.000
42,	24 Sep,	14:02:15,	0.000
43,	24 Sep,	14:12:15,	0.000
44,	24 Sep,	14:22:15,	0.000
45,	24 Sep,	14:32:15,	0.000
46,	24 Sep,	14:42:15,	0.000
47,	24 Sep,	14:52:15,	0.000
48,	24 Sep,	15:02:15,	0.000
49,	24 Sep,	15:12:15,	0.000
50,	24 Sep,	15:22:15,	0.000
51,	24 Sep,	15:32:15,	0.000
52,	24 Sep,	15:42:15,	0.000
53,	24 Sep,	15:52:15,	0.000
54,	24 Sep,	16:02:15,	0.000
55,	24 Sep,	16:12:15,	0.000

56,	24	Sep,	16:22:15,	0.000
57,	24	Sep,	16:32:15,	0.000
58,	24	Sep,	16:42:15,	0.000
59,	24	Sep,	16:52:15,	0.002
60,	24	Sep,	17:02:15,	0.000
61,	24	Sep,	17:12:15,	0.000
62,	24	Sep,	17:22:15,	0.000
63,	24	Sep,	17:32:15,	0.000
64,	24	Sep,	17:42:15,	0.000
65,	24	Sep,	17:52:15,	0.000
66,	24	Sep,	18:02:15,	0.000
67,	24	Sep,	18:12:15,	0.000
68,	24	Sep,	18:22:15,	0.000
69,	24	Sep,	18:32:15,	0.000
70,	24	Sep,	18:42:15,	0.000

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 07
Number of logged points: 71
Start time and date: 06:46:18 24-Sep
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.338 mg/m³
Time at maximum: 06:51:21 Sep 24
Max STEL Concentration: 0.075 mg/m³
Time at max STEL: 07:05:48 Sep 24
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	24 Sep,	06:56:18,	0.086 *
2,	24 Sep,	07:06:18,	0.085 *
3,	24 Sep,	07:16:18,	0.008
4,	24 Sep,	07:26:18,	0.010
5,	24 Sep,	07:36:18,	0.017
6,	24 Sep,	07:46:18,	0.002
7,	24 Sep,	07:56:18,	0.002
8,	24 Sep,	08:06:18,	0.005
9,	24 Sep,	08:16:18,	0.000
10,	24 Sep,	08:26:18,	0.000
11,	24 Sep,	08:36:18,	0.000
12,	24 Sep,	08:46:18,	0.000
13,	24 Sep,	08:56:18,	0.000
14,	24 Sep,	09:06:18,	0.000
15,	24 Sep,	09:16:18,	0.000
16,	24 Sep,	09:26:18,	0.000
17,	24 Sep,	09:36:18,	0.000
18,	24 Sep,	09:46:18,	0.000
19,	24 Sep,	09:56:18,	0.000
20,	24 Sep,	10:06:18,	0.000
21,	24 Sep,	10:16:18,	0.000
22,	24 Sep,	10:26:18,	0.000
23,	24 Sep,	10:36:18,	0.000
24,	24 Sep,	10:46:18,	0.000
25,	24 Sep,	10:56:18,	0.000
26,	24 Sep,	11:06:18,	0.000
27,	24 Sep,	11:16:18,	0.000
28,	24 Sep,	11:26:18,	0.000
29,	24 Sep,	11:36:18,	0.000
30,	24 Sep,	11:46:18,	0.000
31,	24 Sep,	11:56:18,	0.000
32,	24 Sep,	12:06:18,	0.000
33,	24 Sep,	12:16:18,	0.000
34,	24 Sep,	12:26:18,	0.000
35,	24 Sep,	12:36:18,	0.000
36,	24 Sep,	12:46:18,	0.000
37,	24 Sep,	12:56:18,	0.000
38,	24 Sep,	13:06:18,	0.000
39,	24 Sep,	13:16:18,	0.000
40,	24 Sep,	13:26:18,	0.000
41,	24 Sep,	13:36:18,	0.000
42,	24 Sep,	13:46:18,	0.000
43,	24 Sep,	13:56:18,	0.000
44,	24 Sep,	14:06:18,	0.000
45,	24 Sep,	14:16:18,	0.000
46,	24 Sep,	14:26:18,	0.000
47,	24 Sep,	14:36:18,	0.000
48,	24 Sep,	14:46:18,	0.000
49,	24 Sep,	14:56:18,	0.000
50,	24 Sep,	15:06:18,	0.000
51,	24 Sep,	15:16:18,	0.000
52,	24 Sep,	15:26:18,	0.000
53,	24 Sep,	15:36:18,	0.000
54,	24 Sep,	15:46:18,	0.001
55,	24 Sep,	15:56:18,	0.001

56, 24 Sep, 16:06:18, 0.000
57, 24 Sep, 16:16:18, 0.000
58, 24 Sep, 16:26:18, 0.000
59, 24 Sep, 16:36:18, 0.000
60, 24 Sep, 16:46:18, 0.000
61, 24 Sep, 16:56:18, 0.000
62, 24 Sep, 17:06:18, 0.000
63, 24 Sep, 17:16:18, 0.000
64, 24 Sep, 17:26:18, 0.000
65, 24 Sep, 17:36:18, 0.000
66, 24 Sep, 17:46:18, 0.000
67, 24 Sep, 17:56:18, 0.000
68, 24 Sep, 18:06:18, 0.000
69, 24 Sep, 18:16:18, 0.000
70, 24 Sep, 18:26:18, 0.000
71, 24 Sep, 18:36:18, 0.000

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 09
Number of logged points: 64
Start time and date: 06:27:40 25-Sep
Elapsed time: 10:40:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.131 mg/m³
Time at maximum: 16:12:44 Sep 25
Max STEL Concentration: 0.078 mg/m³
Time at max STEL: 17:14:10 Sep 25
Overall Avg Conc: 0.005 mg/m³
Logged Data:

Point,	Date	, Time	, Avg.(mg/m³)
1,	25 Sep,	06:37:40,	0.008
2,	25 Sep,	06:47:40,	0.012
3,	25 Sep,	06:57:40,	0.024
4,	25 Sep,	07:07:40,	0.036
5,	25 Sep,	07:17:40,	0.050
6,	25 Sep,	07:27:40,	0.060
7,	25 Sep,	07:37:40,	0.039
8,	25 Sep,	07:47:40,	0.028
9,	25 Sep,	07:57:40,	0.010
10,	25 Sep,	08:07:40,	0.001
11,	25 Sep,	08:17:40,	0.001
12,	25 Sep,	08:27:40,	0.000
13,	25 Sep,	08:37:40,	0.000
14,	25 Sep,	08:47:40,	0.000
15,	25 Sep,	08:57:40,	0.000
16,	25 Sep,	09:07:40,	0.000
17,	25 Sep,	09:17:40,	0.000
18,	25 Sep,	09:27:40,	0.000
19,	25 Sep,	09:37:40,	0.000
20,	25 Sep,	09:47:40,	0.000
21,	25 Sep,	09:57:40,	0.000
22,	25 Sep,	10:07:40,	0.000
23,	25 Sep,	10:17:40,	0.000
24,	25 Sep,	10:27:40,	0.000
25,	25 Sep,	10:37:40,	0.001
26,	25 Sep,	10:47:40,	0.000
27,	25 Sep,	10:57:40,	0.000
28,	25 Sep,	11:07:40,	0.000
29,	25 Sep,	11:17:40,	0.000
30,	25 Sep,	11:27:40,	0.000
31,	25 Sep,	11:37:40,	0.000
32,	25 Sep,	11:47:40,	0.000
33,	25 Sep,	11:57:40,	0.000
34,	25 Sep,	12:07:40,	0.000
35,	25 Sep,	12:17:40,	0.000
36,	25 Sep,	12:27:40,	0.000
37,	25 Sep,	12:37:40,	0.000
38,	25 Sep,	12:47:40,	0.000
39,	25 Sep,	12:57:40,	0.000
40,	25 Sep,	13:07:40,	0.000
41,	25 Sep,	13:17:40,	0.000
42,	25 Sep,	13:27:40,	0.003
43,	25 Sep,	13:37:40,	0.001
44,	25 Sep,	13:47:40,	0.001
45,	25 Sep,	13:57:40,	0.000
46,	25 Sep,	14:07:40,	0.000
47,	25 Sep,	14:17:40,	0.000
48,	25 Sep,	14:27:40,	0.000
49,	25 Sep,	14:37:40,	0.000
50,	25 Sep,	14:47:40,	0.000
51,	25 Sep,	14:57:40,	0.000
52,	25 Sep,	15:07:40,	0.000
53,	25 Sep,	15:17:40,	0.001
54,	25 Sep,	15:27:40,	0.000
55,	25 Sep,	15:37:40,	0.000

56,	25 Sep,	15:47:40,	0.001
57,	25 Sep,	15:57:40,	0.001
58,	25 Sep,	16:07:40,	0.008
59,	25 Sep,	16:17:40,	0.027
60,	25 Sep,	16:27:40,	0.034
61,	25 Sep,	16:37:40,	0.045
62,	25 Sep,	16:47:40,	0.061
63,	25 Sep,	16:57:40,	0.064
64,	25 Sep,	17:07:40,	0.064

STOP DATA COLLECTION
DUE TO RAIN.

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 10
Number of logged points: 64
Start time and date: 06:28:48 25-Sep
Elapsed time: 10:40:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.132 mg/m³
Time at maximum: 16:48:33 Sep 25
Max STEL Concentration: 0.078 mg/m³
Time at max STEL: 17:09:19 Sep 25
Overall Avg Conc: 0.005 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	25 Sep	06:38:48	0.008
2	25 Sep	06:48:48	0.022
3	25 Sep	06:58:48	0.026
4	25 Sep	07:08:48	0.043
5	25 Sep	07:18:48	0.036
6	25 Sep	07:28:48	0.021
7	25 Sep	07:38:48	0.006
8	25 Sep	07:48:48	0.003
9	25 Sep	07:58:48	0.000
10	25 Sep	08:08:48	0.000
11	25 Sep	08:18:48	0.000
12	25 Sep	08:28:48	0.000
13	25 Sep	08:38:48	0.000
14	25 Sep	08:48:48	0.000
15	25 Sep	08:58:48	0.000
16	25 Sep	09:08:48	0.000
17	25 Sep	09:18:48	0.000
18	25 Sep	09:28:48	0.000
19	25 Sep	09:38:48	0.000
20	25 Sep	09:48:48	0.000
21	25 Sep	09:58:48	0.000
22	25 Sep	10:08:48	0.000
23	25 Sep	10:18:48	0.000
24	25 Sep	10:28:48	0.000
25	25 Sep	10:38:48	0.000
26	25 Sep	10:48:48	0.000
27	25 Sep	10:58:48	0.001
28	25 Sep	11:08:48	0.000
29	25 Sep	11:18:48	0.000
30	25 Sep	11:28:48	0.000
31	25 Sep	11:38:48	0.000
32	25 Sep	11:48:48	0.000
33	25 Sep	11:58:48	0.000
34	25 Sep	12:08:48	0.001
35	25 Sep	12:18:48	0.000
36	25 Sep	12:28:48	0.000
37	25 Sep	12:38:48	0.000
38	25 Sep	12:48:48	0.000
39	25 Sep	12:58:48	0.000
40	25 Sep	13:08:48	0.008
41	25 Sep	13:18:48	0.004
42	25 Sep	13:28:48	0.000
43	25 Sep	13:38:48	0.004
44	25 Sep	13:48:48	0.000
45	25 Sep	13:58:48	0.004
46	25 Sep	14:08:48	0.010
47	25 Sep	14:18:48	0.008
48	25 Sep	14:28:48	0.001
49	25 Sep	14:38:48	0.009
50	25 Sep	14:48:48	0.004
51	25 Sep	14:58:48	0.011
52	25 Sep	15:08:48	0.012
53	25 Sep	15:18:48	0.005
54	25 Sep	15:28:48	0.013
55	25 Sep	15:38:48	0.003

56,	25 Sep,	15:48:48,	0.002
57,	25 Sep,	15:58:48,	0.014
58,	25 Sep,	16:08:48,	0.007
59,	25 Sep,	16:18:48,	0.014
60,	25 Sep,	16:28:48,	0.026
61,	25 Sep,	16:38:48,	0.033
62,	25 Sep,	16:48:48,	0.060
63,	25 Sep,	16:58:48,	0.052
64,	25 Sep,	17:08:48,	0.084 *

STOP DUE to RAIN

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 08
Number of logged points: 64
Start time and date: 06:28:39 25-Sep
Elapsed time: 10:40:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.204 mg/m³
Time at maximum: 17:12:05 Sep 25
Max STEL Concentration: 0.124 mg/m³
Time at max STEL: 17:18:11 Sep 25
Overall Avg Conc: 0.007 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)	
1,	25 Sep,	06:38:39,	0.007	
2,	25 Sep,	06:48:39,	0.017	
3,	25 Sep,	06:58:39,	0.030	
4,	25 Sep,	07:08:39,	0.051	
5,	25 Sep,	07:18:39,	0.063	
6,	25 Sep,	07:28:39,	0.083	*
7,	25 Sep,	07:38:39,	0.073	*
8,	25 Sep,	07:48:39,	0.053	
9,	25 Sep,	07:58:39,	0.028	
10,	25 Sep,	08:08:39,	0.015	
11,	25 Sep,	08:18:39,	0.004	
12,	25 Sep,	08:28:39,	0.001	
13,	25 Sep,	08:38:39,	0.000	
14,	25 Sep,	08:48:39,	0.001	
15,	25 Sep,	08:58:39,	0.002	
16,	25 Sep,	09:08:39,	0.002	
17,	25 Sep,	09:18:39,	0.003	
18,	25 Sep,	09:28:39,	0.001	
19,	25 Sep,	09:38:39,	0.001	
20,	25 Sep,	09:48:39,	0.000	
21,	25 Sep,	09:58:39,	0.000	
22,	25 Sep,	10:08:39,	0.000	
23,	25 Sep,	10:18:39,	0.000	
24,	25 Sep,	10:28:39,	0.001	
25,	25 Sep,	10:38:39,	0.000	
26,	25 Sep,	10:48:39,	0.000	
27,	25 Sep,	10:58:39,	0.000	
28,	25 Sep,	11:08:39,	0.000	
29,	25 Sep,	11:18:39,	0.001	
30,	25 Sep,	11:28:39,	0.000	
31,	25 Sep,	11:38:39,	0.000	
32,	25 Sep,	11:48:39,	0.000	
33,	25 Sep,	11:58:39,	0.001	
34,	25 Sep,	12:08:39,	0.000	
35,	25 Sep,	12:18:39,	0.000	
36,	25 Sep,	12:28:39,	0.000	
37,	25 Sep,	12:38:39,	0.000	
38,	25 Sep,	12:48:39,	0.000	
39,	25 Sep,	12:58:39,	0.000	
40,	25 Sep,	13:08:39,	0.001	
41,	25 Sep,	13:18:39,	0.002	
42,	25 Sep,	13:28:39,	0.002	
43,	25 Sep,	13:38:39,	0.005	
44,	25 Sep,	13:48:39,	0.001	
45,	25 Sep,	13:58:39,	0.001	
46,	25 Sep,	14:08:39,	0.004	
47,	25 Sep,	14:18:39,	0.001	
48,	25 Sep,	14:28:39,	0.000	
49,	25 Sep,	14:38:39,	0.000	
50,	25 Sep,	14:48:39,	0.000	
51,	25 Sep,	14:58:39,	0.002	
52,	25 Sep,	15:08:39,	0.001	
53,	25 Sep,	15:18:39,	0.000	
54,	25 Sep,	15:28:39,	0.000	
55,	25 Sep,	15:38:39,	0.000	

56,	25 Sep,	15:48:39,	0.000
57,	25 Sep,	15:58:39,	0.002
58,	25 Sep,	16:08:39,	0.008
59,	25 Sep,	16:18:39,	0.021
60,	25 Sep,	16:28:39,	0.036
61,	25 Sep,	16:38:39,	0.054
62,	25 Sep,	16:48:39,	0.066
63,	25 Sep,	16:58:39,	0.074 *
64,	25 Sep,	17:08:39,	0.083 *

Stop due to Rain

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 10
Number of logged points: 52
Start time and date: 06:38:55 26-Sep
Elapsed time: 08:40:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.331 mg/m³
Time at maximum: 06:43:38 Sep 26
Max STEL Concentration: 0.069 mg/m³
Time at max STEL: 06:53:25 Sep 26
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	26 Sep	06:48:55	0.076
2	26 Sep	06:58:55	0.058
3	26 Sep	07:08:55	0.027
4	26 Sep	07:18:55	0.023
5	26 Sep	07:28:55	0.007
6	26 Sep	07:38:55	0.006
7	26 Sep	07:48:55	0.046
8	26 Sep	07:58:55	0.023
9	26 Sep	08:08:55	0.000
10	26 Sep	08:18:55	0.000
11	26 Sep	08:28:55	0.009
12	26 Sep	08:38:55	0.002
13	26 Sep	08:48:55	0.000
14	26 Sep	08:58:55	0.000
15	26 Sep	09:08:55	0.000
16	26 Sep	09:18:55	0.000
17	26 Sep	09:28:55	0.000
18	26 Sep	09:38:55	0.003
19	26 Sep	09:48:55	0.000
20	26 Sep	09:58:55	0.000
21	26 Sep	10:08:55	0.000
22	26 Sep	10:18:55	0.001
23	26 Sep	10:28:55	0.000
24	26 Sep	10:38:55	0.000
25	26 Sep	10:48:55	0.000
26	26 Sep	10:58:55	0.000
27	26 Sep	11:08:55	0.000
28	26 Sep	11:18:55	0.001
29	26 Sep	11:28:55	0.000
30	26 Sep	11:38:55	0.000
31	26 Sep	11:48:55	0.000
32	26 Sep	11:58:55	0.000
33	26 Sep	12:08:55	0.000
34	26 Sep	12:18:55	0.000
35	26 Sep	12:28:55	0.000
36	26 Sep	12:38:55	0.000
37	26 Sep	12:48:55	0.000
38	26 Sep	12:58:55	0.000
39	26 Sep	13:08:55	0.000
40	26 Sep	13:18:55	0.000
41	26 Sep	13:28:55	0.002
42	26 Sep	13:38:55	0.000
43	26 Sep	13:48:55	0.000
44	26 Sep	13:58:55	0.000
45	26 Sep	14:08:55	0.000
46	26 Sep	14:18:55	0.000
47	26 Sep	14:28:55	0.001
48	26 Sep	14:38:55	0.000
49	26 Sep	14:48:55	0.000
50	26 Sep	14:58:55	0.000
51	26 Sep	15:08:55	0.000
52	26 Sep	15:18:55	0.000

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 11
Number of logged points: 52
Start time and date: 06:34:57 26-Sep
Elapsed time: 08:40:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.386 mg/m³
Time at maximum: 07:18:00 Sep 26
Max STEL Concentration: 0.131 mg/m³
Time at max STEL: 07:55:28 Sep 26
Overall Avg Conc: 0.012 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	26 Sep	06:44:57	0.094
2	26 Sep	06:54:57	0.025
3	26 Sep	07:04:57	0.027
4	26 Sep	07:14:57	0.063
5	26 Sep	07:24:57	0.116
6	26 Sep	07:34:57	0.014
7	26 Sep	07:44:57	0.075
8	26 Sep	07:54:57	0.136
9	26 Sep	08:04:57	0.088
10	26 Sep	08:14:57	0.052
11	26 Sep	08:24:57	0.027
12	26 Sep	08:34:57	0.019
13	26 Sep	08:44:57	0.005
14	26 Sep	08:54:57	0.005
15	26 Sep	09:04:57	0.008
16	26 Sep	09:14:57	0.002
17	26 Sep	09:24:57	0.026
18	26 Sep	09:34:57	0.002
19	26 Sep	09:44:57	0.006
20	26 Sep	09:54:57	0.005
21	26 Sep	10:04:57	0.003
22	26 Sep	10:14:57	0.003
23	26 Sep	10:24:57	0.002
24	26 Sep	10:34:57	0.000
25	26 Sep	10:44:57	0.000
26	26 Sep	10:54:57	0.000
27	26 Sep	11:04:57	0.000
28	26 Sep	11:14:57	0.001
29	26 Sep	11:24:57	0.000
30	26 Sep	11:34:57	0.007
31	26 Sep	11:44:57	0.001
32	26 Sep	11:54:57	0.000
33	26 Sep	12:04:57	0.000
34	26 Sep	12:14:57	0.000
35	26 Sep	12:24:57	0.000
36	26 Sep	12:34:57	0.000
37	26 Sep	12:44:57	0.000
38	26 Sep	12:54:57	0.000
39	26 Sep	13:04:57	0.000
40	26 Sep	13:14:57	0.000
41	26 Sep	13:24:57	0.001
42	26 Sep	13:34:57	0.000
43	26 Sep	13:44:57	0.000
44	26 Sep	13:54:57	0.000
45	26 Sep	14:04:57	0.001
46	26 Sep	14:14:57	0.000
47	26 Sep	14:24:57	0.000
48	26 Sep	14:34:57	0.006
49	26 Sep	14:44:57	0.000
50	26 Sep	14:54:57	0.000
51	26 Sep	15:04:57	0.002
52	26 Sep	15:14:57	0.007

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 09
Number of logged points: 53
Start time and date: 06:33:05 26-Sep
Elapsed time: 08:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.294 mg/m³
Time at maximum: 07:44:40 Sep 26
Max STEL Concentration: 0.085 mg/m³
Time at max STEL: 07:22:35 Sep 26
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	26 Sep,	06:43:05,	0.033
2,	26 Sep,	06:53:05,	0.009
3,	26 Sep,	07:03:05,	0.046
4,	26 Sep,	07:13:05,	0.084
5,	26 Sep,	07:23:05,	0.089
6,	26 Sep,	07:33:05,	0.004
7,	26 Sep,	07:43:05,	0.008
8,	26 Sep,	07:53:05,	0.057
9,	26 Sep,	08:03:05,	0.006
10,	26 Sep,	08:13:05,	0.012
11,	26 Sep,	08:23:05,	0.004
12,	26 Sep,	08:33:05,	0.001
13,	26 Sep,	08:43:05,	0.000
14,	26 Sep,	08:53:05,	0.001
15,	26 Sep,	09:03:05,	0.001
16,	26 Sep,	09:13:05,	0.000
17,	26 Sep,	09:23:05,	0.000
18,	26 Sep,	09:33:05,	0.000
19,	26 Sep,	09:43:05,	0.000
20,	26 Sep,	09:53:05,	0.001
21,	26 Sep,	10:03:05,	0.000
22,	26 Sep,	10:13:05,	0.002
23,	26 Sep,	10:23:05,	0.000
24,	26 Sep,	10:33:05,	0.000
25,	26 Sep,	10:43:05,	0.000
26,	26 Sep,	10:53:05,	0.001
27,	26 Sep,	11:03:05,	0.000
28,	26 Sep,	11:13:05,	0.000
29,	26 Sep,	11:23:05,	0.001
30,	26 Sep,	11:33:05,	0.000
31,	26 Sep,	11:43:05,	0.000
32,	26 Sep,	11:53:05,	0.000
33,	26 Sep,	12:03:05,	0.000
34,	26 Sep,	12:13:05,	0.000
35,	26 Sep,	12:23:05,	0.000
36,	26 Sep,	12:33:05,	0.000
37,	26 Sep,	12:43:05,	0.000
38,	26 Sep,	12:53:05,	0.000
39,	26 Sep,	13:03:05,	0.002
40,	26 Sep,	13:13:05,	0.000
41,	26 Sep,	13:23:05,	0.000
42,	26 Sep,	13:33:05,	0.000
43,	26 Sep,	13:43:05,	0.000
44,	26 Sep,	13:53:05,	0.000
45,	26 Sep,	14:03:05,	0.001
46,	26 Sep,	14:13:05,	0.000
47,	26 Sep,	14:23:05,	0.000
48,	26 Sep,	14:33:05,	0.000
49,	26 Sep,	14:43:05,	0.000
50,	26 Sep,	14:53:05,	0.000
51,	26 Sep,	15:03:05,	0.000
52,	26 Sep,	15:13:05,	0.000
53,	26 Sep,	15:23:05,	0.000

October 7, 2003

Mr. Juraj Bajgar
Metcalf and Eddy
701 Edgewater Drive
Wakefield, MA 01880

Subject: **Pownal Tannery Superfund Site, Pownal, VT**
Subcontract # 3600100149, W/A # 150-RARA-01N9
EPA Response Action Contract No. 68-W6-0042

Re: **Perimeter Air Monitoring and Dust Control**
Report #3 for w/e October 4, 2003

Dear Mr. Bajgar:

Referencing Section 01130 Perimeter Air Monitoring and Dust Control Plan of the Contract Documents and our Perimeter Air Monitoring & Dust Control Plan dated August 20, 2003, TANTARA Corporation (TANTARA) submits this weekly report for the week ending October 4, 2003.

Sampling Procedures
Air monitoring was performed continuously during work activities. In general, the air monitoring stations were installed at 0630, 30 minutes before the start of work activities. On days with rain, the air monitoring stations were removed as not to damage the units. The air monitoring concluded 60 minutes after construction activities concluded. The locations of the air monitoring stations were consistent with the plan presented in the Perimeter Air Monitoring & Dust Control Plan. The station identification numbers and locations are summarized below.

Sample	Station ID	Location
Upwind Station	Tantara_3091_Upwind1	Southwest of Lagoon 5
Downwind Station	Tantara_9191_Downwind2	Northeast of Lagoon 2
Downwind Station	Tantara_9189_Downwind3	East of Lagoon 1

The air monitoring stations were mounted on a visibility posts and were installed approximately four (4) feet above the ground elevation. The locations were chosen to promote unrestricted air flow. The air monitoring date was obtained utilizing a MIE pDR-1000AN direct reading instrument. Measurements were conducted at one minute intervals and calculations and recordings were of a 10-minute time weighed average.

Calibration Procedures
All three (3) instruments were factory calibrated in accordance with manufactures recommendations. In addition, a field calibration was performed to zero the instrument. During the two (2) minute pre-run automatic zeroing sequence, the instrument registers its own optical

background, stores that level in its memory, and then subtracts that background from all measured concentrations values.

Summary of Meteorological Data

Monday – September 29, 2003	**Morning**	**Afternoon**
Temperature	53.4 F	68 F
Relative Humidity	89.1 %	93.4 %
Wind Direction	Calm	S/SW
Wind Speed	0 mph	2-3 mph
Weather Conditions	Cloudy / Cool	Rain / Heavy Rain

Tuesday – September 30, 2003	**Morning**	**Afternoon**
Temperature	43 F	58 F
Relative Humidity	83 %	85 %
Wind Direction	Calm	Calm
Wind Speed	0 – 1 mph	1 mph
Weather Conditions	Cool & Damp	Cool

Wednesday – October 01, 2003	**Morning**	**Afternoon**
Temperature	51 F	59 F
Relative Humidity	89 %	89 %
Wind Direction	Calm	Calm
Wind Speed	0 mph	0 mph
Weather Conditions	Light Rain / Rain	Cloudy

Thursday – October 02, 2003	**Morning**	**Afternoon**
Temperature	44 F	61 F
Relative Humidity	83 %	83.4 %
Wind Direction	Calm	Variable
Wind Speed	0 mph	3-5 mph
Weather Conditions	Cloudy & Cool	Overcast / Mod Rain

Friday – October 03, 2003	**Morning**	**Afternoon**
Temperature	53 F	60 F
Relative Humidity	90 %	90 %
Wind Direction	Calm	Variable
Wind Speed	0 mph	1-2 mph
Weather Conditions	Cloudy & Dry	Clear & Dry

Contaminant Levels

On Monday September 29, 2003, Tuesday September 30, 2003, and Wednesday October 01, 2003 there were no exceedences of the 73 ug / m3 action level on both the upwind and downwind stations. Rain was experienced on Monday September 29, 2003 and Wednesday October 01, 2003, the air monitoring concluded at approximately 1530 and 1100 respectively.

Elevated readings were reported in the morning on Thursday October 02, 2003 and Friday October 03, 2003 at the downwind stations.

Please find attached the data from the three monitoring stations for the week.

Corrective Actions
TANTARA continues to apply water on the access roads and the Lagoon 2 Area to control dust. Frequent rainfall throughout the week kept the roads from generating significant dust.

I you should have any questions or desire any additional information, please do not hesitate to contact this office.

Sincerely,

Christopher Pereira
Project Manager

Encl. Data from pDR-1000

Cc. N. Thurber

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 11
Number of logged points: 53
Start time and date: 06:41:59 29-Sep
Elapsed time: 08:50:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.087 mg/m³
Time at maximum: 07:15:41 Sep 29
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 06:41:59 Sep 29
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	29 Sep,	06:51:59,	0.002
2,	29 Sep,	07:01:59,	0.000
3,	29 Sep,	07:11:59,	0.000
4,	29 Sep,	07:21:59,	0.006
5,	29 Sep,	07:31:59,	0.000
6,	29 Sep,	07:41:59,	0.000
7,	29 Sep,	07:51:59,	0.000
8,	29 Sep,	08:01:59,	0.000
9,	29 Sep,	08:11:59,	0.000
10,	29 Sep,	08:21:59,	0.000
11,	29 Sep,	08:31:59,	0.000
12,	29 Sep,	08:41:59,	0.000
13,	29 Sep,	08:51:59,	0.000
14,	29 Sep,	09:01:59,	0.001
15,	29 Sep,	09:11:59,	0.000
16,	29 Sep,	09:21:59,	0.000
17,	29 Sep,	09:31:59,	0.000
18,	29 Sep,	09:41:59,	0.000
19,	29 Sep,	09:51:59,	0.000
20,	29 Sep,	10:01:59,	0.000
21,	29 Sep,	10:11:59,	0.000
22,	29 Sep,	10:21:59,	0.000
23,	29 Sep,	10:31:59,	0.000
24,	29 Sep,	10:41:59,	0.000
25,	29 Sep,	10:51:59,	0.000
26,	29 Sep,	11:01:59,	0.000
27,	29 Sep,	11:11:59,	0.000
28,	29 Sep,	11:21:59,	0.000
29,	29 Sep,	11:31:59,	0.000
30,	29 Sep,	11:41:59,	0.000
31,	29 Sep,	11:51:59,	0.000
32,	29 Sep,	12:01:59,	0.000
33,	29 Sep,	12:11:59,	0.000
34,	29 Sep,	12:21:59,	0.000
35,	29 Sep,	12:31:59,	0.000
36,	29 Sep,	12:41:59,	0.000
37,	29 Sep,	12:51:59,	0.000
38,	29 Sep,	13:01:59,	0.000
39,	29 Sep,	13:11:59,	0.000
40,	29 Sep,	13:21:59,	0.000
41,	29 Sep,	13:31:59,	0.000
42,	29 Sep,	13:41:59,	0.000
43,	29 Sep,	13:51:59,	0.000
44,	29 Sep,	14:01:59,	0.000
45,	29 Sep,	14:11:59,	0.000
46,	29 Sep,	14:21:59,	0.000
47,	29 Sep,	14:31:59,	0.000
48,	29 Sep,	14:41:59,	0.000
49,	29 Sep,	14:51:59,	0.000
50,	29 Sep,	15:01:59,	0.001
51,	29 Sep,	15:11:59,	0.001
52,	29 Sep,	15:21:59,	0.000
53,	29 Sep,	15:31:59,	0.000

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 12
Number of logged points: 53
Start time and date: 06:35:53 29-Sep
Elapsed time: 08:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.086 mg/m³
Time at maximum: 06:50:59 Sep 29
Max STEL Concentration: 0.012 mg/m³
Time at max STEL: 07:05:23 Sep 29
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date	Time	Avg.(mg/m³)
1,	29 Sep,	06:45:53,	0.006
2,	29 Sep,	06:55:53,	0.013
3,	29 Sep,	07:05:53,	0.005
4,	29 Sep,	07:15:53,	0.002
5,	29 Sep,	07:25:53,	0.002
6,	29 Sep,	07:35:53,	0.007
7,	29 Sep,	07:45:53,	0.004
8,	29 Sep,	07:55:53,	0.001
9,	29 Sep,	08:05:53,	0.005
10,	29 Sep,	08:15:53,	0.005
11,	29 Sep,	08:25:53,	0.005
12,	29 Sep,	08:35:53,	0.007
13,	29 Sep,	08:45:53,	0.009
14,	29 Sep,	08:55:53,	0.010
15,	29 Sep,	09:05:53,	0.011
16,	29 Sep,	09:15:53,	0.009
17,	29 Sep,	09:25:53,	0.007
18,	29 Sep,	09:35:53,	0.006
19,	29 Sep,	09:45:53,	0.008
20,	29 Sep,	09:55:53,	0.007
21,	29 Sep,	10:05:53,	0.012
22,	29 Sep,	10:15:53,	0.008
23,	29 Sep,	10:25:53,	0.003
24,	29 Sep,	10:35:53,	0.000
25,	29 Sep,	10:45:53,	0.001
26,	29 Sep,	10:55:53,	0.001
27,	29 Sep,	11:05:53,	0.000
28,	29 Sep,	11:15:53,	0.003
29,	29 Sep,	11:25:53,	0.001
30,	29 Sep,	11:35:53,	0.001
31,	29 Sep,	11:45:53,	0.000
32,	29 Sep,	11:55:53,	0.001
33,	29 Sep,	12:05:53,	0.000
34,	29 Sep,	12:15:53,	0.000
35,	29 Sep,	12:25:53,	0.001
36,	29 Sep,	12:35:53,	0.000
37,	29 Sep,	12:45:53,	0.000
38,	29 Sep,	12:55:53,	0.001
39,	29 Sep,	13:05:53,	0.000
40,	29 Sep,	13:15:53,	0.000
41,	29 Sep,	13:25:53,	0.000
42,	29 Sep,	13:35:53,	0.000
43,	29 Sep,	13:45:53,	0.000
44,	29 Sep,	13:55:53,	0.000
45,	29 Sep,	14:05:53,	0.000
46,	29 Sep,	14:15:53,	0.000
47,	29 Sep,	14:25:53,	0.004
48,	29 Sep,	14:35:53,	0.003
49,	29 Sep,	14:45:53,	0.000
50,	29 Sep,	14:55:53,	0.001
51,	29 Sep,	15:05:53,	0.000
52,	29 Sep,	15:15:53,	0.000
53,	29 Sep,	15:25:53,	0.003

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 10
Number of logged points: 53
Start time and date: 06:36:22 29-Sep
Elapsed time: 08:50:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.091 mg/m³
Time at maximum: 06:53:20 Sep 29
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 06:36:22 Sep 29
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	29 Sep,	06:46:22,	0.003
2,	29 Sep,	06:56:22,	0.006
3,	29 Sep,	07:06:22,	0.000
4,	29 Sep,	07:16:22,	0.000
5,	29 Sep,	07:26:22,	0.006
6,	29 Sep,	07:36:22,	0.001
7,	29 Sep,	07:46:22,	0.001
8,	29 Sep,	07:56:22,	0.000
9,	29 Sep,	08:06:22,	0.001
10,	29 Sep,	08:16:22,	0.001
11,	29 Sep,	08:26:22,	0.001
12,	29 Sep,	08:36:22,	0.000
13,	29 Sep,	08:46:22,	0.000
14,	29 Sep,	08:56:22,	0.002
15,	29 Sep,	09:06:22,	0.000
16,	29 Sep,	09:16:22,	0.000
17,	29 Sep,	09:26:22,	0.001
18,	29 Sep,	09:36:22,	0.000
19,	29 Sep,	09:46:22,	0.000
20,	29 Sep,	09:56:22,	0.000
21,	29 Sep,	10:06:22,	0.000
22,	29 Sep,	10:16:22,	0.001
23,	29 Sep,	10:26:22,	0.000
24,	29 Sep,	10:36:22,	0.000
25,	29 Sep,	10:46:22,	0.001
26,	29 Sep,	10:56:22,	0.002
27,	29 Sep,	11:06:22,	0.000
28,	29 Sep,	11:16:22,	0.000
29,	29 Sep,	11:26:22,	0.000
30,	29 Sep,	11:36:22,	0.000
31,	29 Sep,	11:46:22,	0.001
32,	29 Sep,	11:56:22,	0.000
33,	29 Sep,	12:06:22,	0.000
34,	29 Sep,	12:16:22,	0.000
35,	29 Sep,	12:26:22,	0.000
36,	29 Sep,	12:36:22,	0.000
37,	29 Sep,	12:46:22,	0.001
38,	29 Sep,	12:56:22,	0.000
39,	29 Sep,	13:06:22,	0.000
40,	29 Sep,	13:16:22,	0.000
41,	29 Sep,	13:26:22,	0.000
42,	29 Sep,	13:36:22,	0.000
43,	29 Sep,	13:46:22,	0.000
44,	29 Sep,	13:56:22,	0.000
45,	29 Sep,	14:06:22,	0.000
46,	29 Sep,	14:16:22,	0.000
47,	29 Sep,	14:26:22,	0.000
48,	29 Sep,	14:36:22,	0.000
49,	29 Sep,	14:46:22,	0.000
50,	29 Sep,	14:56:22,	0.000
51,	29 Sep,	15:06:22,	0.000
52,	29 Sep,	15:16:22,	0.000
53,	29 Sep,	15:26:22,	0.000

pDR-1000 S/N: 04453
User ID: Tantara_3091_Upwind1
Tag Number: 12
Number of logged points: 71
Start time and date: 06:34:07 30-Sep
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.051 mg/m³
Time at maximum: 17:36:30 Sep 30
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 06:34:07 Sep 30
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	30 Sep,	06:44:07,	0.001
2,	30 Sep,	06:54:07,	0.000
3,	30 Sep,	07:04:07,	0.000
4,	30 Sep,	07:14:07,	0.000
5,	30 Sep,	07:24:07,	0.000
6,	30 Sep,	07:34:07,	0.000
7,	30 Sep,	07:44:07,	0.000
8,	30 Sep,	07:54:07,	0.000
9,	30 Sep,	08:04:07,	0.000
10,	30 Sep,	08:14:07,	0.000
11,	30 Sep,	08:24:07,	0.000
12,	30 Sep,	08:34:07,	0.000
13,	30 Sep,	08:44:07,	0.000
14,	30 Sep,	08:54:07,	0.000
15,	30 Sep,	09:04:07,	0.000
16,	30 Sep,	09:14:07,	0.000
17,	30 Sep,	09:24:07,	0.000
18,	30 Sep,	09:34:07,	0.000
19,	30 Sep,	09:44:07,	0.000
20,	30 Sep,	09:54:07,	0.000
21,	30 Sep,	10:04:07,	0.000
22,	30 Sep,	10:14:07,	0.000
23,	30 Sep,	10:24:07,	0.000
24,	30 Sep,	10:34:07,	0.000
25,	30 Sep,	10:44:07,	0.000
26,	30 Sep,	10:54:07,	0.000
27,	30 Sep,	11:04:07,	0.000
28,	30 Sep,	11:14:07,	0.000
29,	30 Sep,	11:24:07,	0.000
30,	30 Sep,	11:34:07,	0.000
31,	30 Sep,	11:44:07,	0.000
32,	30 Sep,	11:54:07,	0.000
33,	30 Sep,	12:04:07,	0.000
34,	30 Sep,	12:14:07,	0.000
35,	30 Sep,	12:24:07,	0.000
36,	30 Sep,	12:34:07,	0.000
37,	30 Sep,	12:44:07,	0.000
38,	30 Sep,	12:54:07,	0.000
39,	30 Sep,	13:04:07,	0.000
40,	30 Sep,	13:14:07,	0.000
41,	30 Sep,	13:24:07,	0.000
42,	30 Sep,	13:34:07,	0.000
43,	30 Sep,	13:44:07,	0.000
44,	30 Sep,	13:54:07,	0.000
45,	30 Sep,	14:04:07,	0.000
46,	30 Sep,	14:14:07,	0.000
47,	30 Sep,	14:24:07,	0.000
48,	30 Sep,	14:34:07,	0.000
49,	30 Sep,	14:44:07,	0.000
50,	30 Sep,	14:54:07,	0.000
51,	30 Sep,	15:04:07,	0.000
52,	30 Sep,	15:14:07,	0.000
53,	30 Sep,	15:24:07,	0.000
54,	30 Sep,	15:34:07,	0.000
55,	30 Sep,	15:44:07,	0.000

56,	30	Sep,	15:54:07,	0.000
57,	30	Sep,	16:04:07,	0.000
58,	30	Sep,	16:14:07,	0.000
59,	30	Sep,	16:24:07,	0.001
60,	30	Sep,	16:34:07,	0.000
61,	30	Sep,	16:44:07,	0.000
62,	30	Sep,	16:54:07,	0.000
63,	30	Sep,	17:04:07,	0.000
64,	30	Sep,	17:14:07,	0.001
65,	30	Sep,	17:24:07,	0.002
66,	30	Sep,	17:34:07,	0.002
67,	30	Sep,	17:44:07,	0.004
68,	30	Sep,	17:54:07,	0.000
69,	30	Sep,	18:04:07,	0.000
70,	30	Sep,	18:14:07,	0.000
71,	30	Sep,	18:24:07,	0.000

pDR-1000 S/N: 04453
User ID: Tantara_9191_Downwind2
Tag Number: 13
Number of logged points: 71
Start time and date: 06:35:04 30-Sep
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.134 mg/m³
Time at maximum: 06:51:47 Sep 30
Max STEL Concentration: 0.016 mg/m³
Time at max STEL: 06:56:34 Sep 30
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	30 Sep,	06:45:04,	0.007
2,	30 Sep,	06:55:04,	0.020
3,	30 Sep,	07:05:04,	0.004
4,	30 Sep,	07:15:04,	0.008
5,	30 Sep,	07:25:04,	0.000
6,	30 Sep,	07:35:04,	0.000
7,	30 Sep,	07:45:04,	0.000
8,	30 Sep,	07:55:04,	0.000
9,	30 Sep,	08:05:04,	0.000
10,	30 Sep,	08:15:04,	0.002
11,	30 Sep,	08:25:04,	0.000
12,	30 Sep,	08:35:04,	0.000
13,	30 Sep,	08:45:04,	0.000
14,	30 Sep,	08:55:04,	0.000
15,	30 Sep,	09:05:04,	0.000
16,	30 Sep,	09:15:04,	0.000
17,	30 Sep,	09:25:04,	0.000
18,	30 Sep,	09:35:04,	0.000
19,	30 Sep,	09:45:04,	0.000
20,	30 Sep,	09:55:04,	0.000
21,	30 Sep,	10:05:04,	0.000
22,	30 Sep,	10:15:04,	0.000
23,	30 Sep,	10:25:04,	0.000
24,	30 Sep,	10:35:04,	0.000
25,	30 Sep,	10:45:04,	0.000
26,	30 Sep,	10:55:04,	0.000
27,	30 Sep,	11:05:04,	0.000
28,	30 Sep,	11:15:04,	0.000
29,	30 Sep,	11:25:04,	0.000
30,	30 Sep,	11:35:04,	0.000
31,	30 Sep,	11:45:04,	0.000
32,	30 Sep,	11:55:04,	0.000
33,	30 Sep,	12:05:04,	0.000
34,	30 Sep,	12:15:04,	0.000
35,	30 Sep,	12:25:04,	0.000
36,	30 Sep,	12:35:04,	0.000
37,	30 Sep,	12:45:04,	0.000
38,	30 Sep,	12:55:04,	0.000
39,	30 Sep,	13:05:04,	0.000
40,	30 Sep,	13:15:04,	0.000
41,	30 Sep,	13:25:04,	0.000
42,	30 Sep,	13:35:04,	0.000
43,	30 Sep,	13:45:04,	0.000
44,	30 Sep,	13:55:04,	0.000
45,	30 Sep,	14:05:04,	0.000
46,	30 Sep,	14:15:04,	0.000
47,	30 Sep,	14:25:04,	0.000
48,	30 Sep,	14:35:04,	0.000
49,	30 Sep,	14:45:04,	0.000
50,	30 Sep,	14:55:04,	0.000
51,	30 Sep,	15:05:04,	0.000
52,	30 Sep,	15:15:04,	0.000
53,	30 Sep,	15:25:04,	0.000
54,	30 Sep,	15:35:04,	0.000
55,	30 Sep,	15:45:04,	0.000

56,	30	Sep,	15:55:04,	0.000
57,	30	Sep,	16:05:04,	0.000
58,	30	Sep,	16:15:04,	0.002
59,	30	Sep,	16:25:04,	0.000
60,	30	Sep,	16:35:04,	0.001
61,	30	Sep,	16:45:04,	0.001
62,	30	Sep,	16:55:04,	0.000
63,	30	Sep,	17:05:04,	0.000
64,	30	Sep,	17:15:04,	0.000
65,	30	Sep,	17:25:04,	0.004
66,	30	Sep,	17:35:04,	0.005
67,	30	Sep,	17:45:04,	0.000
68,	30	Sep,	17:55:04,	0.000
69,	30	Sep,	18:05:04,	0.002
70,	30	Sep,	18:15:04,	0.000
71,	30	Sep,	18:25:04,	0.000

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 11
Number of logged points: 71
Start time and date: 06:37:06 30-Sep
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.113 mg/m³
Time at maximum: 08:01:24 Sep 30
Max STEL Concentration: 0.012 mg/m³
Time at max STEL: 08:15:36 Sep 30
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	30 Sep,	06:47:06,	0.001
2,	30 Sep,	06:57:06,	0.004
3,	30 Sep,	07:07:06,	0.005
4,	30 Sep,	07:17:06,	0.004
5,	30 Sep,	07:27:06,	0.000
6,	30 Sep,	07:37:06,	0.002
7,	30 Sep,	07:47:06,	0.002
8,	30 Sep,	07:57:06,	0.001
9,	30 Sep,	08:07:06,	0.018
10,	30 Sep,	08:17:06,	0.009
11,	30 Sep,	08:27:06,	0.001
12,	30 Sep,	08:37:06,	0.000
13,	30 Sep,	08:47:06,	0.000
14,	30 Sep,	08:57:06,	0.000
15,	30 Sep,	09:07:06,	0.000
16,	30 Sep,	09:17:06,	0.000
17,	30 Sep,	09:27:06,	0.000
18,	30 Sep,	09:37:06,	0.000
19,	30 Sep,	09:47:06,	0.000
20,	30 Sep,	09:57:06,	0.000
21,	30 Sep,	10:07:06,	0.000
22,	30 Sep,	10:17:06,	0.000
23,	30 Sep,	10:27:06,	0.000
24,	30 Sep,	10:37:06,	0.000
25,	30 Sep,	10:47:06,	0.002
26,	30 Sep,	10:57:06,	0.000
27,	30 Sep,	11:07:06,	0.001
28,	30 Sep,	11:17:06,	0.000
29,	30 Sep,	11:27:06,	0.000
30,	30 Sep,	11:37:06,	0.000
31,	30 Sep,	11:47:06,	0.000
32,	30 Sep,	11:57:06,	0.000
33,	30 Sep,	12:07:06,	0.000
34,	30 Sep,	12:17:06,	0.000
35,	30 Sep,	12:27:06,	0.000
36,	30 Sep,	12:37:06,	0.000
37,	30 Sep,	12:47:06,	0.001
38,	30 Sep,	12:57:06,	0.002
39,	30 Sep,	13:07:06,	0.000
40,	30 Sep,	13:17:06,	0.000
41,	30 Sep,	13:27:06,	0.000
42,	30 Sep,	13:37:06,	0.004
43,	30 Sep,	13:47:06,	0.000
44,	30 Sep,	13:57:06,	0.000
45,	30 Sep,	14:07:06,	0.000
46,	30 Sep,	14:17:06,	0.000
47,	30 Sep,	14:27:06,	0.001
48,	30 Sep,	14:37:06,	0.000
49,	30 Sep,	14:47:06,	0.000
50,	30 Sep,	14:57:06,	0.000
51,	30 Sep,	15:07:06,	0.000
52,	30 Sep,	15:17:06,	0.000
53,	30 Sep,	15:27:06,	0.000
54,	30 Sep,	15:37:06,	0.000
55,	30 Sep,	15:47:06,	0.000

56,	30 Sep,	15:57:06,	0.000
57,	30 Sep,	16:07:06,	0.000
58,	30 Sep,	16:17:06,	0.000
59,	30 Sep,	16:27:06,	0.000
60,	30 Sep,	16:37:06,	0.000
61,	30 Sep,	16:47:06,	0.000
62,	30 Sep,	16:57:06,	0.000
63,	30 Sep,	17:07:06,	0.001
64,	30 Sep,	17:17:06,	0.000
65,	30 Sep,	17:27:06,	0.000
66,	30 Sep,	17:37:06,	0.007
67,	30 Sep,	17:47:06,	0.001
68,	30 Sep,	17:57:06,	0.001
69,	30 Sep,	18:07:06,	0.000
70,	30 Sep,	18:17:06,	0.002
71,	30 Sep,	18:27:06,	0.000

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 13
Number of logged points: 26
Start time and date: 06:50:37 01-Oct
Elapsed time: 04:20:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.005 mg/m³
Time at maximum: 08:47:04 Oct 01
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 06:50:37 Oct 01
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date	, Time	, Avg.(mg/m³)
1,	01 Oct,	07:00:37,	0.000
2,	01 Oct,	07:10:37,	0.000
3,	01 Oct,	07:20:37,	0.000
4,	01 Oct,	07:30:37,	0.000
5,	01 Oct,	07:40:37,	0.000
6,	01 Oct,	07:50:37,	0.000
7,	01 Oct,	08:00:37,	0.000
8,	01 Oct,	08:10:37,	0.000
9,	01 Oct,	08:20:37,	0.000
10,	01 Oct,	08:30:37,	0.000
11,	01 Oct,	08:40:37,	0.000
12,	01 Oct,	08:50:37,	0.002
13,	01 Oct,	09:00:37,	0.000
14,	01 Oct,	09:10:37,	0.000
15,	01 Oct,	09:20:37,	0.000
16,	01 Oct,	09:30:37,	0.000
17,	01 Oct,	09:40:37,	0.000
18,	01 Oct,	09:50:37,	0.000
19,	01 Oct,	10:00:37,	0.000
20,	01 Oct,	10:10:37,	0.000
21,	01 Oct,	10:20:37,	0.000
22,	01 Oct,	10:30:37,	0.000
23,	01 Oct,	10:40:37,	0.000
24,	01 Oct,	10:50:37,	0.000
25,	01 Oct,	11:00:37,	0.000
26,	01 Oct,	11:10:37,	0.000

Note: Monitors started late due to rain. Rain stopped. I started monitors then rain started @ approx. 0900 hours. I pulled monitors @ 1115 hrs. It was raining continuously
RJC

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 14
Number of logged points: 26
Start time and date: 06:48:40 01-Oct
Elapsed time: 04:20:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.088 mg/m³
Time at maximum: 09:37:14 Oct 01
Max STEL Concentration: 0.024 mg/m³
Time at max STEL: 10:21:11 Oct 01
Overall Avg Conc: 0.013 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	01 Oct,	06:58:40,	0.003
2,	01 Oct,	07:08:40,	0.005
3,	01 Oct,	07:18:40,	0.009
4,	01 Oct,	07:28:40,	0.011
5,	01 Oct,	07:38:40,	0.014
6,	01 Oct,	07:48:40,	0.014
7,	01 Oct,	07:58:40,	0.013
8,	01 Oct,	08:08:40,	0.011
9,	01 Oct,	08:18:40,	0.014
10,	01 Oct,	08:28:40,	0.015
11,	01 Oct,	08:38:40,	0.014
12,	01 Oct,	08:48:40,	0.013
13,	01 Oct,	08:58:40,	0.013
14,	01 Oct,	09:08:40,	0.010
15,	01 Oct,	09:18:40,	0.012
16,	01 Oct,	09:28:40,	0.014
17,	01 Oct,	09:38:40,	0.019
18,	01 Oct,	09:48:40,	0.019
19,	01 Oct,	09:58:40,	0.021
20,	01 Oct,	10:08:40,	0.022
21,	01 Oct,	10:18:40,	0.024
22,	01 Oct,	10:28:40,	0.018
23,	01 Oct,	10:38:40,	0.015
24,	01 Oct,	10:48:40,	0.012
25,	01 Oct,	10:58:40,	0.008
26,	01 Oct,	11:08:40,	0.003

Note: Monitors started a little late do to light rain. Rain stopped and then @ approx 9:00 started again. Pulled monitors @ 1115 due to continuous rain for approx 3+ hrs.
RJC

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 12
Number of logged points: 27
Start time and date: 06:49:10 01-Oct
Elapsed time: 04:30:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.110 mg/m³
Time at maximum: 07:57:21 Oct 01
Max STEL Concentration: 0.016 mg/m³
Time at max STEL: 10:20:10 Oct 01
Overall Avg Conc: 0.003 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	01 Oct,	06:59:10,	0.001
2,	01 Oct,	07:09:10,	0.005
3,	01 Oct,	07:19:10,	0.002
4,	01 Oct,	07:29:10,	0.002
5,	01 Oct,	07:39:10,	0.005
6,	01 Oct,	07:49:10,	0.003
7,	01 Oct,	07:59:10,	0.017
8,	01 Oct,	08:09:10,	0.005
9,	01 Oct,	08:19:10,	0.005
10,	01 Oct,	08:29:10,	0.004
11,	01 Oct,	08:39:10,	0.004
12,	01 Oct,	08:49:10,	0.003
13,	01 Oct,	08:59:10,	0.002
14,	01 Oct,	09:09:10,	0.002
15,	01 Oct,	09:19:10,	0.002
16,	01 Oct,	09:29:10,	0.003
17,	01 Oct,	09:39:10,	0.004
18,	01 Oct,	09:49:10,	0.011
19,	01 Oct,	09:59:10,	0.012
20,	01 Oct,	10:09:10,	0.011
21,	01 Oct,	10:19:10,	0.016
22,	01 Oct,	10:29:10,	0.009
23,	01 Oct,	10:39:10,	0.007
24,	01 Oct,	10:49:10,	0.004
25,	01 Oct,	10:59:10,	0.002
26,	01 Oct,	11:09:10,	0.001
27,	01 Oct,	11:19:10,	0.001

Note: Pulled Monitor due to rain.
RK

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 14
Number of logged points: 42
Start time and date: 06:29:27 02-Oct
Elapsed time: 07:00:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.076 mg/m³
Time at maximum: 08:06:41 Oct 02
Max STEL Concentration: 0.017 mg/m³
Time at max STEL: 08:18:57 Oct 02
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	02 Oct,	06:39:27,	0.013
2,	02 Oct,	06:49:27,	0.007
3,	02 Oct,	06:59:27,	0.008
4,	02 Oct,	07:09:27,	0.011
5,	02 Oct,	07:19:27,	0.002
6,	02 Oct,	07:29:27,	0.005
7,	02 Oct,	07:39:27,	0.004
8,	02 Oct,	07:49:27,	0.009
9,	02 Oct,	07:59:27,	0.015
10,	02 Oct,	08:09:27,	0.014
11,	02 Oct,	08:19:27,	0.023
12,	02 Oct,	08:29:27,	0.011
13,	02 Oct,	08:39:27,	0.001
14,	02 Oct,	08:49:27,	0.000
15,	02 Oct,	08:59:27,	0.000
16,	02 Oct,	09:09:27,	0.000
17,	02 Oct,	09:19:27,	0.000
18,	02 Oct,	09:29:27,	0.000
19,	02 Oct,	09:39:27,	0.000
20,	02 Oct,	09:49:27,	0.000
21,	02 Oct,	09:59:27,	0.000
22,	02 Oct,	10:09:27,	0.000
23,	02 Oct,	10:19:27,	0.000
24,	02 Oct,	10:29:27,	0.000
25,	02 Oct,	10:39:27,	0.000
26,	02 Oct,	10:49:27,	0.000
27,	02 Oct,	10:59:27,	0.000
28,	02 Oct,	11:09:27,	0.000
29,	02 Oct,	11:19:27,	0.000
30,	02 Oct,	11:29:27,	0.000
31,	02 Oct,	11:39:27,	0.000
32,	02 Oct,	11:49:27,	0.000
33,	02 Oct,	11:59:27,	0.000
34,	02 Oct,	12:09:27,	0.000
35,	02 Oct,	12:19:27,	0.000
36,	02 Oct,	12:29:27,	0.000
37,	02 Oct,	12:39:27,	0.000
38,	02 Oct,	12:49:27,	0.000
39,	02 Oct,	12:59:27,	0.000
40,	02 Oct,	13:09:27,	0.000
41,	02 Oct,	13:19:27,	0.000
42,	02 Oct,	13:29:27,	0.000

; Note:
Monitors pulled
@ 1:15 pm due
to rain
from 1115 - 1:15
Monitors needed
drying out.

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 15
Number of logged points: 40
Start time and date: 06:34:55 02-Oct
Elapsed time: 06:40:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.367 mg/m³
Time at maximum: 08:22:18 Oct 02
Max STEL Concentration: 0.089 mg/m³
Time at max STEL: 08:03:25 Oct 02
Overall Avg Conc: 0.019 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	02 Oct,	06:44:55,	0.034
2,	02 Oct,	06:54:55,	0.033
3,	02 Oct,	07:04:55,	0.045
4,	02 Oct,	07:14:55,	0.069
5,	02 Oct,	07:24:55,	0.076 *
6,	02 Oct,	07:34:55,	0.042
7,	02 Oct,	07:44:55,	0.066
8,	02 Oct,	07:54:55,	0.077*
9,	02 Oct,	08:04:55,	0.086*
10,	02 Oct,	08:14:55,	0.054
11,	02 Oct,	08:24:55,	0.096 *
12,	02 Oct,	08:34:55,	0.040
13,	02 Oct,	08:44:55,	0.036
14,	02 Oct,	08:54:55,	0.026
15,	02 Oct,	09:04:55,	0.010
16,	02 Oct,	09:14:55,	0.009
17,	02 Oct,	09:24:55,	0.007
18,	02 Oct,	09:34:55,	0.010
19,	02 Oct,	09:44:55,	0.003
20,	02 Oct,	09:54:55,	0.005
21,	02 Oct,	10:04:55,	0.005
22,	02 Oct,	10:14:55,	0.013
23,	02 Oct,	10:24:55,	0.009
24,	02 Oct,	10:34:55,	0.004
25,	02 Oct,	10:44:55,	0.004
26,	02 Oct,	10:54:55,	0.001
27,	02 Oct,	11:04:55,	0.000
28,	02 Oct,	11:14:55,	0.001
29,	02 Oct,	11:24:55,	0.003
30,	02 Oct,	11:34:55,	0.001
31,	02 Oct,	11:44:55,	0.000
32,	02 Oct,	11:54:55,	0.002
33,	02 Oct,	12:04:55,	0.000
34,	02 Oct,	12:14:55,	0.000
35,	02 Oct,	12:24:55,	0.000
36,	02 Oct,	12:34:55,	0.002
37,	02 Oct,	12:44:55,	0.000
38,	02 Oct,	12:54:55,	0.000
39,	02 Oct,	13:04:55,	0.000
40,	02 Oct,	13:14:55,	0.000

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 13
Number of logged points: 40
Start time and date: 06:37:36 02-Oct
Elapsed time: 06:40:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.123 mg/m³
Time at maximum: 07:57:49 Oct 02
Max STEL Concentration: 0.072 mg/m³
Time at max STEL: 08:05:36 Oct 02
Overall Avg Conc: 0.004 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	02 Oct,	06:47:36,	0.006
2,	02 Oct,	06:57:36,	0.010
3,	02 Oct,	07:07:36,	0.013
4,	02 Oct,	07:17:36,	0.025
5,	02 Oct,	07:27:36,	0.032
6,	02 Oct,	07:37:36,	0.012
7,	02 Oct,	07:47:36,	0.032
8,	02 Oct,	07:57:36,	0.064
9,	02 Oct,	08:07:36,	0.074 *
10,	02 Oct,	08:17:36,	0.045
11,	02 Oct,	08:27:36,	0.019
12,	02 Oct,	08:37:36,	0.016
13,	02 Oct,	08:47:36,	0.016
14,	02 Oct,	08:57:36,	0.007
15,	02 Oct,	09:07:36,	0.010
16,	02 Oct,	09:17:36,	0.003
17,	02 Oct,	09:27:36,	0.001
18,	02 Oct,	09:37:36,	0.005
19,	02 Oct,	09:47:36,	0.000
20,	02 Oct,	09:57:36,	0.000
21,	02 Oct,	10:07:36,	0.003
22,	02 Oct,	10:17:36,	0.000
23,	02 Oct,	10:27:36,	0.002
24,	02 Oct,	10:37:36,	0.002
25,	02 Oct,	10:47:36,	0.002
26,	02 Oct,	10:57:36,	0.000
27,	02 Oct,	11:07:36,	0.004
28,	02 Oct,	11:17:36,	0.000
29,	02 Oct,	11:27:36,	0.002
30,	02 Oct,	11:37:36,	0.001
31,	02 Oct,	11:47:36,	0.000
32,	02 Oct,	11:57:36,	0.000
33,	02 Oct,	12:07:36,	0.000
34,	02 Oct,	12:17:36,	0.000
35,	02 Oct,	12:27:36,	0.000
36,	02 Oct,	12:37:36,	0.000
37,	02 Oct,	12:47:36,	0.000
38,	02 Oct,	12:57:36,	0.000
39,	02 Oct,	13:07:36,	0.002
40,	02 Oct,	13:17:36,	0.000

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 15
Number of logged points: 29
Start time and date: 06:38:30 03-Oct
Elapsed time: 04:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.000 mg/m³
Time at maximum: 06:38:30 Oct 03
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 06:38:30 Oct 03
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	03 Oct,	06:48:30,	0.000
2,	03 Oct,	06:58:30,	0.000
3,	03 Oct,	07:08:30,	0.000
4,	03 Oct,	07:18:30,	0.000
5,	03 Oct,	07:28:30,	0.000
6,	03 Oct,	07:38:30,	0.000
7,	03 Oct,	07:48:30,	0.000
8,	03 Oct,	07:58:30,	0.000
9,	03 Oct,	08:08:30,	0.000
10,	03 Oct,	08:18:30,	0.000
11,	03 Oct,	08:28:30,	0.000
12,	03 Oct,	08:38:30,	0.000
13,	03 Oct,	08:48:30,	0.000
14,	03 Oct,	08:58:30,	0.000
15,	03 Oct,	09:08:30,	0.000
16,	03 Oct,	09:18:30,	0.000
17,	03 Oct,	09:28:30,	0.000
18,	03 Oct,	09:38:30,	0.000
19,	03 Oct,	09:48:30,	0.000
20,	03 Oct,	09:58:30,	0.000
21,	03 Oct,	10:08:30,	0.000
22,	03 Oct,	10:18:30,	0.000
23,	03 Oct,	10:28:30,	0.000
24,	03 Oct,	10:38:30,	0.000
25,	03 Oct,	10:48:30,	0.000
26,	03 Oct,	10:58:30,	0.000
27,	03 Oct,	11:08:30,	0.000
28,	03 Oct,	11:18:30,	0.000
29,	03 Oct,	11:28:30,	0.000

Early Day
FRIDAY
Crew stopped field activities @ 1045

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 16
Number of logged points: 29
Start time and date: 06:42:39 03-Oct
Elapsed time: 04:50:00
gging period (sec): 600
Alibration Factor (%): 100
Max Display Concentration: 0.076 mg/m³
Time at maximum: 07:25:48 Oct 03
Max STEL Concentration: 0.015 mg/m³
Time at max STEL: 08:18:39 Oct 03
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	03 Oct	06:52:39	0.000
2	03 Oct	07:02:39	0.000
3	03 Oct	07:12:39	0.000
4	03 Oct	07:22:39	0.000
5	03 Oct	07:32:39	0.008
6	03 Oct	07:42:39	0.000
7	03 Oct	07:52:39	0.000
8	03 Oct	08:02:39	0.000
9	03 Oct	08:12:39	0.011
10	03 Oct	08:22:39	0.013
11	03 Oct	08:32:39	0.000
12	03 Oct	08:42:39	0.000
13	03 Oct	08:52:39	0.003
14	03 Oct	09:02:39	0.000
15	03 Oct	09:12:39	0.000
16	03 Oct	09:22:39	0.000
17	03 Oct	09:32:39	0.000
18	03 Oct	09:42:39	0.000
19	03 Oct	09:52:39	0.000
20	03 Oct	10:02:39	0.000
21	03 Oct	10:12:39	0.000
22	03 Oct	10:22:39	0.000
23	03 Oct	10:32:39	0.000
24	03 Oct	10:42:39	0.000
25	03 Oct	10:52:39	0.000
26	03 Oct	11:02:39	0.000
27	03 Oct	11:12:39	0.000
28	03 Oct	11:22:39	0.000
29	03 Oct	11:32:39	0.000

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 14
Number of logged points: 29
Start time and date: 06:44:38 03-Oct
Elapsed time: 04:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.722 mg/m³
Time at maximum: 07:27:48 Oct 03
Max STEL Concentration: 0.048 mg/m³
Time at max STEL: 07:40:38 Oct 03
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	03 Oct,	06:54:38,	0.003
2,	03 Oct,	07:04:38,	0.001
3,	03 Oct,	07:14:38,	0.000
4,	03 Oct,	07:24:38,	0.000
5,	03 Oct,	07:34:38,	0.079 *
6,	03 Oct,	07:44:38,	0.002
7,	03 Oct,	07:54:38,	0.001
8,	03 Oct,	08:04:38,	0.002
9,	03 Oct,	08:14:38,	0.005
10,	03 Oct,	08:24:38,	0.002
11,	03 Oct,	08:34:38,	0.000
12,	03 Oct,	08:44:38,	0.002
13,	03 Oct,	08:54:38,	0.000
14,	03 Oct,	09:04:38,	0.001
15,	03 Oct,	09:14:38,	0.002
16,	03 Oct,	09:24:38,	0.000
17,	03 Oct,	09:34:38,	0.000
18,	03 Oct,	09:44:38,	0.000
19,	03 Oct,	09:54:38,	0.000
20,	03 Oct,	10:04:38,	0.000
21,	03 Oct,	10:14:38,	0.000
22,	03 Oct,	10:24:38,	0.000
23,	03 Oct,	10:34:38,	0.000
24,	03 Oct,	10:44:38,	0.000
25,	03 Oct,	10:54:38,	0.000
26,	03 Oct,	11:04:38,	0.004
27,	03 Oct,	11:14:38,	0.004
28,	03 Oct,	11:24:38,	0.000
29,	03 Oct,	11:34:38,	0.000

TANTARA CORPORATION

Received 10/15/03 KS

October 14, 2003

Mr. Juraj Bajgar
Metcalf and Eddy
701 Edgewater Drive
Wakefield, MA 01880

Subject: **Pownal Tannery Superfund Site, Pownal, VT**
Subcontract # 3600100149, W/A # 150-RARA-01N9
EPA Response Action Contract No. 68-W6-0042

Re: **Perimeter Air Monitoring and Dust Control**
Report #4 for w/e October 11, 2003

Dear Mr. Bajgar:

Referencing Section 01130 Perimeter Air Monitoring and Dust Control Plan of the Contract Documents and our Perimeter Air Monitoring & Dust Control Plan dated August 20, 2003, TANTARA Corporation (TANTARA) submits this weekly report for the week ending October 11, 2003.

Sampling Procedures

Air monitoring was performed continuously during work activities. In general, the air monitoring stations were installed at 0630, 30 minutes before the start of work activities. On days with rain, the air monitoring stations were removed as not to damage the units. The air monitoring concluded 60 minutes after construction activities concluded. The locations of the air monitoring stations were consistent with the plan presented in the Perimeter Air Monitoring & Dust Control Plan. The station identification numbers and locations are summarized below.

Sample	Station ID	Location
Upwind Station	Tantara_3091_Upwind1	Southwest of Lagoon 5
Downwind Station	Tantara_9191_Downwind2	Northeast of Lagoon 2
Downwind Station	Tantara_9189_Downwind3	East of Lagoon 1

The air monitoring stations were mounted on a visibility posts and were installed approximately four (4) feet above the ground elevation. The locations were chosen to promote unrestricted air flow. The air monitoring date was obtained utilizing a MIE pDR-1000AN direct reading instrument. Measurements were conducted at one minute intervals and calculations and recordings were of a 10-minute time weighed average.

Calibration Procedures

All three (3) instruments were factory calibrated in accordance with manufactures recommendations. In addition, a field calibration was performed to zero the instrument. During the two (2) minute pre-run automatic zeroing sequence, the instrument registers its own optical

14 Fall River Avenue Rehoboth, Massachusetts 02769 voice (508) 336-9622 facsimile (508) 336-9624

background, stores that level in its memory, and then subtracts that background from all measured concentrations values.

Summary of Meteorological Data

Monday – October 06, 2003	**Morning**	**Afternoon**
Temperature	38.9 F	66.2 F
Relative Humidity	87.2 %	93.0 %
Wind Direction	Calm	S
Wind Speed	0 mph	1-2 mph
Weather Conditions	Fog / Damp	Clear / Humid

Tuesday – October 07, 2003	**Morning**	**Afternoon**
Temperature	34.3 F	58.5 F
Relative Humidity	83.2 %	85 %
Wind Direction	Variable	Calm
Wind Speed	1 – 2 mph	0 mph
Weather Conditions	Cool & Damp	Clear / Cool

Wednesday – October 08, 2003	**Morning**	**Afternoon**
Temperature	35.5 F	60 F
Relative Humidity	83 %	81 %
Wind Direction	S / SW	Variable
Wind Speed	1 -2 mph	1 – 2 mph
Weather Conditions	Cold / Damp	Clear

Thursday – October 09, 2003	**Morning**	**Afternoon**
Temperature	48.5 F	70 F
Relative Humidity	87.5 %	83.4 %
Wind Direction	Calm	Variable
Wind Speed	0 mph	3 – 4 mph
Weather Conditions	Fog & Cool	Clear & Dry

Friday – October 10, 2003	**Morning**	**Afternoon**
Temperature	50.6 F	77.5 F
Relative Humidity	83.4 %	39.5 %
Wind Direction	Variable	Variable
Wind Speed	1 – 2 mph	1-2 mph
Weather Conditions	Fog & Cool	Clear & Dry

Contaminant Levels

On Monday October 06, 2003 there were no exceedences of the 73 ug / m3 action level on both the upwind and downwind stations. On Tuesday October 07, 2003, Thursday October 09, 2003 and Friday October 10, 2003 there were exceedences mainly in the morning. On Wednesday October 08, 2003, the chipping of trees triggered readings in all the air monitoring stations.

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 16
Number of logged points: 70
Start time and date: 07:02:22 06-Oct
Elapsed time: 11:40:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.054 mg/m³
Time at maximum: 07:02:28 Oct 06
Max STEL Concentration: 0.003 mg/m³
Time at max STEL: 07:58:52 Oct 06
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date	, Time	, Avg.(mg/m³)
1,	06 Oct,	07:12:22,	0.001
2,	06 Oct,	07:22:22,	0.000
3,	06 Oct,	07:32:22,	0.000
4,	06 Oct,	07:42:22,	0.000
5,	06 Oct,	07:52:22,	0.000
6,	06 Oct,	08:02:22,	0.005
7,	06 Oct,	08:12:22,	0.000
8,	06 Oct,	08:22:22,	0.000
9,	06 Oct,	08:32:22,	0.000
10,	06 Oct,	08:42:22,	0.000
11,	06 Oct,	08:52:22,	0.000
12,	06 Oct,	09:02:22,	0.000
13,	06 Oct,	09:12:22,	0.000
14,	06 Oct,	09:22:22,	0.000
15,	06 Oct,	09:32:22,	0.000
16,	06 Oct,	09:42:22,	0.000
17,	06 Oct,	09:52:22,	0.000
18,	06 Oct,	10:02:22,	0.000
19,	06 Oct,	10:12:22,	0.000
20,	06 Oct,	10:22:22,	0.000
21,	06 Oct,	10:32:22,	0.000
22,	06 Oct,	10:42:22,	0.000
23,	06 Oct,	10:52:22,	0.000
24,	06 Oct,	11:02:22,	0.000
25,	06 Oct,	11:12:22,	0.000
26,	06 Oct,	11:22:22,	0.000
27,	06 Oct,	11:32:22,	0.000
28,	06 Oct,	11:42:22,	0.000
29,	06 Oct,	11:52:22,	0.000
30,	06 Oct,	12:02:22,	0.000
31,	06 Oct,	12:12:22,	0.000
32,	06 Oct,	12:22:22,	0.000
33,	06 Oct,	12:32:22,	0.000
34,	06 Oct,	12:42:22,	0.000
35,	06 Oct,	12:52:22,	0.000
36,	06 Oct,	13:02:22,	0.000
37,	06 Oct,	13:12:22,	0.000
38,	06 Oct,	13:22:22,	0.000
39,	06 Oct,	13:32:22,	0.000
40,	06 Oct,	13:42:22,	0.000
41,	06 Oct,	13:52:22,	0.000
42,	06 Oct,	14:02:22,	0.000
43,	06 Oct,	14:12:22,	0.000
44,	06 Oct,	14:22:22,	0.000
45,	06 Oct,	14:32:22,	0.000
46,	06 Oct,	14:42:22,	0.000
47,	06 Oct,	14:52:22,	0.000
48,	06 Oct,	15:02:22,	0.000
49,	06 Oct,	15:12:22,	0.000
50,	06 Oct,	15:22:22,	0.000
51,	06 Oct,	15:32:22,	0.000
52,	06 Oct,	15:42:22,	0.000
53,	06 Oct,	15:52:22,	0.000
54,	06 Oct,	16:02:22,	0.000
55,	06 Oct,	16:12:22,	0.000

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56,	06 Oct,	16:22:22,	0.000
57,	06 Oct,	16:32:22,	0.000
58,	06 Oct,	16:42:22,	0.000
59,	06 Oct,	16:52:22,	0.001
60,	06 Oct,	17:02:22,	0.000
61,	06 Oct,	17:12:22,	0.001
62,	06 Oct,	17:22:22,	0.001
63,	06 Oct,	17:32:22,	0.000
64,	06 Oct,	17:42:22,	0.000
65,	06 Oct,	17:52:22,	0.001
66,	06 Oct,	18:02:22,	0.000
67,	06 Oct,	18:12:22,	0.000
68,	06 Oct,	18:22:22,	0.000
69,	06 Oct,	18:32:22,	0.001
70,	06 Oct,	18:42:22,	0.000

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 17
Number of logged points: 69
Start time and date: 07:04:10 06-Oct
Elapsed time: 11:30:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.212 mg/m³
Time at maximum: 16:16:26 Oct 06
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 07:04:10 Oct 06
Overall Avg Conc: 0.000 mg/m³
Logged Data:

3

Point	Date	Time	Avg.(mg/m³)
1	06 Oct	07:14:10	0.000
2	06 Oct	07:24:10	0.003
3	06 Oct	07:34:10	0.000
4	06 Oct	07:44:10	0.000
5	06 Oct	07:54:10	0.000
6	06 Oct	08:04:10	0.000
7	06 Oct	08:14:10	0.000
8	06 Oct	08:24:10	0.000
9	06 Oct	08:34:10	0.000
10	06 Oct	08:44:10	0.001
11	06 Oct	08:54:10	0.000
12	06 Oct	09:04:10	0.000
13	06 Oct	09:14:10	0.000
14	06 Oct	09:24:10	0.000
15	06 Oct	09:34:10	0.000
16	06 Oct	09:44:10	0.000
17	06 Oct	09:54:10	0.000
18	06 Oct	10:04:10	0.000
19	06 Oct	10:14:10	0.000
20	06 Oct	10:24:10	0.000
21	06 Oct	10:34:10	0.000
22	06 Oct	10:44:10	0.000
23	06 Oct	10:54:10	0.000
24	06 Oct	11:04:10	0.000
25	06 Oct	11:14:10	0.000
26	06 Oct	11:24:10	0.000
27	06 Oct	11:34:10	0.000
28	06 Oct	11:44:10	0.000
29	06 Oct	11:54:10	0.000
30	06 Oct	12:04:10	0.000
31	06 Oct	12:14:10	0.000
32	06 Oct	12:24:10	0.000
33	06 Oct	12:34:10	0.000
34	06 Oct	12:44:10	0.000
35	06 Oct	12:54:10	0.000
36	06 Oct	13:04:10	0.000
37	06 Oct	13:14:10	0.000
38	06 Oct	13:24:10	0.000
39	06 Oct	13:34:10	0.000
40	06 Oct	13:44:10	0.000
41	06 Oct	13:54:10	0.000
42	06 Oct	14:04:10	0.000
43	06 Oct	14:14:10	0.000
44	06 Oct	14:24:10	0.000
45	06 Oct	14:34:10	0.000
46	06 Oct	14:44:10	0.000
47	06 Oct	14:54:10	0.000
48	06 Oct	15:04:10	0.000
49	06 Oct	15:14:10	0.000
50	06 Oct	15:24:10	0.000
51	06 Oct	15:34:10	0.000
52	06 Oct	15:44:10	0.000
53	06 Oct	15:54:10	0.000
54	06 Oct	16:04:10	0.000
55	06 Oct	16:14:10	0.000

56,	06 Oct,	16:24:10,	0.021
57,	06 Oct,	16:34:10,	0.000
58,	06 Oct,	16:44:10,	0.000
59,	06 Oct,	16:54:10,	0.001
60,	06 Oct,	17:04:10,	0.000
61,	06 Oct,	17:14:10,	0.001
62,	06 Oct,	17:24:10,	0.000
63,	06 Oct,	17:34:10,	0.000
64,	06 Oct,	17:44:10,	0.000
65,	06 Oct,	17:54:10,	0.000
66,	06 Oct,	18:04:10,	0.000
67,	06 Oct,	18:14:10,	0.000
68,	06 Oct,	18:24:10,	0.000
69,	06 Oct,	18:34:10,	0.000

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 15
Number of logged points: 70
Start time and date: 07:03:53 06-Oct
Elapsed time: 11:40:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.038 mg/m³
Time at maximum: 11:41:22 Oct 06
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 07:03:53 Oct 06
Overall Avg Conc: 0.000 mg/m³
Logged Data:

5

Point,	Date	Time	Avg.(mg/m³)
1,	06 Oct,	07:13:53,	0.002
2,	06 Oct,	07:23:53,	0.001
3,	06 Oct,	07:33:53,	0.000
4,	06 Oct,	07:43:53,	0.001
5,	06 Oct,	07:53:53,	0.004
6,	06 Oct,	08:03:53,	0.000
7,	06 Oct,	08:13:53,	0.002
8,	06 Oct,	08:23:53,	0.001
9,	06 Oct,	08:33:53,	0.000
10,	06 Oct,	08:43:53,	0.000
11,	06 Oct,	08:53:53,	0.000
12,	06 Oct,	09:03:53,	0.000
13,	06 Oct,	09:13:53,	0.000
14,	06 Oct,	09:23:53,	0.000
15,	06 Oct,	09:33:53,	0.000
16,	06 Oct,	09:43:53,	0.000
17,	06 Oct,	09:53:53,	0.000
18,	06 Oct,	10:03:53,	0.000
19,	06 Oct,	10:13:53,	0.000
20,	06 Oct,	10:23:53,	0.000
21,	06 Oct,	10:33:53,	0.000
22,	06 Oct,	10:43:53,	0.000
23,	06 Oct,	10:53:53,	0.000
24,	06 Oct,	11:03:53,	0.000
25,	06 Oct,	11:13:53,	0.000
26,	06 Oct,	11:23:53,	0.000
27,	06 Oct,	11:33:53,	0.000
28,	06 Oct,	11:43:53,	0.002
29,	06 Oct,	11:53:53,	0.000
30,	06 Oct,	12:03:53,	0.000
31,	06 Oct,	12:13:53,	0.000
32,	06 Oct,	12:23:53,	0.000
33,	06 Oct,	12:33:53,	0.000
34,	06 Oct,	12:43:53,	0.000
35,	06 Oct,	12:53:53,	0.000
36,	06 Oct,	13:03:53,	0.000
37,	06 Oct,	13:13:53,	0.000
38,	06 Oct,	13:23:53,	0.000
39,	06 Oct,	13:33:53,	0.000
40,	06 Oct,	13:43:53,	0.000
41,	06 Oct,	13:53:53,	0.000
42,	06 Oct,	14:03:53,	0.000
43,	06 Oct,	14:13:53,	0.000
44,	06 Oct,	14:23:53,	0.000
45,	06 Oct,	14:33:53,	0.000
46,	06 Oct,	14:43:53,	0.000
47,	06 Oct,	14:53:53,	0.000
48,	06 Oct,	15:03:53,	0.000
49,	06 Oct,	15:13:53,	0.000
50,	06 Oct,	15:23:53,	0.000
51,	06 Oct,	15:33:53,	0.000
52,	06 Oct,	15:43:53,	0.000
53,	06 Oct,	15:53:53,	0.000
54,	06 Oct,	16:03:53,	0.000
55,	06 Oct,	16:13:53,	0.000

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56,	06 Oct,	16:23:53,	0.001
57,	06 Oct,	16:33:53,	0.000
58,	06 Oct,	16:43:53,	0.000
59,	06 Oct,	16:53:53,	0.000
60,	06 Oct,	17:03:53,	0.000
61,	06 Oct,	17:13:53,	0.000
62,	06 Oct,	17:23:53,	0.000
63,	06 Oct,	17:33:53,	0.000
64,	06 Oct,	17:43:53,	0.000
65,	06 Oct,	17:53:53,	0.002
66,	06 Oct,	18:03:53,	0.000
67,	06 Oct,	18:13:53,	0.000
68,	06 Oct,	18:23:53,	0.000
69,	06 Oct,	18:33:53,	0.000
70,	06 Oct,	18:43:53,	0.000

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 17
Number of logged points: 71
Start time and date: 06:45:10 07-Oct
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.130 mg/m³
Time at maximum: 06:56:35 Oct 07
Max STEL Concentration: 0.041 mg/m³
Time at max STEL: 07:58:10 Oct 07
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	07 Oct,	06:55:10,	0.030
2,	07 Oct,	07:05:10,	0.033
3,	07 Oct,	07:15:10,	0.013
4,	07 Oct,	07:25:10,	0.004
5,	07 Oct,	07:35:10,	0.009
6,	07 Oct,	07:45:10,	0.008
7,	07 Oct,	07:55:10,	0.040
8,	07 Oct,	08:05:10,	0.034
9,	07 Oct,	08:15:10,	0.011
10,	07 Oct,	08:25:10,	0.001
11,	07 Oct,	08:35:10,	0.000
12,	07 Oct,	08:45:10,	0.000
13,	07 Oct,	08:55:10,	0.000
14,	07 Oct,	09:05:10,	0.000
15,	07 Oct,	09:15:10,	0.000
16,	07 Oct,	09:25:10,	0.000
17,	07 Oct,	09:35:10,	0.000
18,	07 Oct,	09:45:10,	0.000
19,	07 Oct,	09:55:10,	0.000
20,	07 Oct,	10:05:10,	0.000
21,	07 Oct,	10:15:10,	0.000
22,	07 Oct,	10:25:10,	0.000
23,	07 Oct,	10:35:10,	0.000
24,	07 Oct,	10:45:10,	0.000
25,	07 Oct,	10:55:10,	0.000
26,	07 Oct,	11:05:10,	0.000
27,	07 Oct,	11:15:10,	0.000
28,	07 Oct,	11:25:10,	0.000
29,	07 Oct,	11:35:10,	0.000
30,	07 Oct,	11:45:10,	0.000
31,	07 Oct,	11:55:10,	0.000
32,	07 Oct,	12:05:10,	0.000
33,	07 Oct,	12:15:10,	0.000
34,	07 Oct,	12:25:10,	0.000
35,	07 Oct,	12:35:10,	0.000
36,	07 Oct,	12:45:10,	0.000
37,	07 Oct,	12:55:10,	0.000
38,	07 Oct,	13:05:10,	0.000
39,	07 Oct,	13:15:10,	0.000
40,	07 Oct,	13:25:10,	0.000
41,	07 Oct,	13:35:10,	0.000
42,	07 Oct,	13:45:10,	0.000
43,	07 Oct,	13:55:10,	0.000
44,	07 Oct,	14:05:10,	0.000
45,	07 Oct,	14:15:10,	0.000
46,	07 Oct,	14:25:10,	0.000
47,	07 Oct,	14:35:10,	0.000
48,	07 Oct,	14:45:10,	0.000
49,	07 Oct,	14:55:10,	0.000
50,	07 Oct,	15:05:10,	0.000
51,	07 Oct,	15:15:10,	0.000
52,	07 Oct,	15:25:10,	0.000
53,	07 Oct,	15:35:10,	0.000
54,	07 Oct,	15:45:10,	0.000
55,	07 Oct,	15:55:10,	0.000

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56,	07 Oct,	16:05:10,	0.000
57,	07 Oct,	16:15:10,	0.000
58,	07 Oct,	16:25:10,	0.000
59,	07 Oct,	16:35:10,	0.000
60,	07 Oct,	16:45:10,	0.000
61,	07 Oct,	16:55:10,	0.000
62,	07 Oct,	17:05:10,	0.000
63,	07 Oct,	17:15:10,	0.000
64,	07 Oct,	17:25:10,	0.000
65,	07 Oct,	17:35:10,	0.000
66,	07 Oct,	17:45:10,	0.000
67,	07 Oct,	17:55:10,	0.000
68,	07 Oct,	18:05:10,	0.000
69,	07 Oct,	18:15:10,	0.002
70,	07 Oct,	18:25:10,	0.001
71,	07 Oct,	18:35:10,	0.000

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pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 18
Number of logged points: 71
Start time and date: 06:46:33 07-Oct
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.498 mg/m³
Time at maximum: 07:27:02 Oct 07
Max STEL Concentration: 0.204 mg/m³
Time at max STEL: 07:27:33 Oct 07
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	07 Oct,	06:56:33,	0.060
2,	07 Oct,	07:06:33,	0.099
3,	07 Oct,	07:16:33,	0.186
4,	07 Oct,	07:26:33,	0.197
5,	07 Oct,	07:36:33,	0.127
6,	07 Oct,	07:46:33,	0.077
7,	07 Oct,	07:56:33,	0.114
8,	07 Oct,	08:06:33,	0.030
9,	07 Oct,	08:16:33,	0.004
10,	07 Oct,	08:26:33,	0.000
11,	07 Oct,	08:36:33,	0.001
12,	07 Oct,	08:46:33,	0.001
13,	07 Oct,	08:56:33,	0.000
14,	07 Oct,	09:06:33,	0.000
15,	07 Oct,	09:16:33,	0.000
16,	07 Oct,	09:26:33,	0.002
17,	07 Oct,	09:36:33,	0.000
18,	07 Oct,	09:46:33,	0.000
19,	07 Oct,	09:56:33,	0.000
20,	07 Oct,	10:06:33,	0.000
21,	07 Oct,	10:16:33,	0.000
22,	07 Oct,	10:26:33,	0.000
23,	07 Oct,	10:36:33,	0.000
24,	07 Oct,	10:46:33,	0.000
25,	07 Oct,	10:56:33,	0.000
26,	07 Oct,	11:06:33,	0.000
27,	07 Oct,	11:16:33,	0.000
28,	07 Oct,	11:26:33,	0.000
29,	07 Oct,	11:36:33,	0.000
30,	07 Oct,	11:46:33,	0.000
31,	07 Oct,	11:56:33,	0.000
32,	07 Oct,	12:06:33,	0.000
33,	07 Oct,	12:16:33,	0.000
34,	07 Oct,	12:26:33,	0.000
35,	07 Oct,	12:36:33,	0.000
36,	07 Oct,	12:46:33,	0.000
37,	07 Oct,	12:56:33,	0.000
38,	07 Oct,	13:06:33,	0.000
39,	07 Oct,	13:16:33,	0.000
40,	07 Oct,	13:26:33,	0.000
41,	07 Oct,	13:36:33,	0.000
42,	07 Oct,	13:46:33,	0.000
43,	07 Oct,	13:56:33,	0.000
44,	07 Oct,	14:06:33,	0.000
45,	07 Oct,	14:16:33,	0.000
46,	07 Oct,	14:26:33,	0.000
47,	07 Oct,	14:36:33,	0.000
48,	07 Oct,	14:46:33,	0.000
49,	07 Oct,	14:56:33,	0.000
50,	07 Oct,	15:06:33,	0.000
51,	07 Oct,	15:16:33,	0.000
52,	07 Oct,	15:26:33,	0.000
53,	07 Oct,	15:36:33,	0.000
54,	07 Oct,	15:46:33,	0.000
55,	07 Oct,	15:56:33,	0.000

56,	07 Oct,	16:06:33,	0.000
57,	07 Oct,	16:16:33,	0.000
58,	07 Oct,	16:26:33,	0.000
59,	07 Oct,	16:36:33,	0.000
60,	07 Oct,	16:46:33,	0.000
61,	07 Oct,	16:56:33,	0.000
62,	07 Oct,	17:06:33,	0.000
63,	07 Oct,	17:16:33,	0.000
64,	07 Oct,	17:26:33,	0.000
65,	07 Oct,	17:36:33,	0.000
66,	07 Oct,	17:46:33,	0.000
67,	07 Oct,	17:56:33,	0.000
68,	07 Oct,	18:06:33,	0.000
69,	07 Oct,	18:16:33,	0.000
70,	07 Oct,	18:26:33,	0.000
71,	07 Oct,	18:36:33,	0.000

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 16
Number of logged points: 71
Start time and date: 06:46:12 07-Oct
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.227 mg/m³
Time at maximum: 07:16:58 Oct 07
Max STEL Concentration: 0.090 mg/m³
Time at max STEL: 07:26:42 Oct 07
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	07 Oct,	06:56:12,	0.034
2,	07 Oct,	07:06:12,	0.053
3,	07 Oct,	07:16:12,	0.078
4,	07 Oct,	07:26:12,	0.095
5,	07 Oct,	07:36:12,	0.063
6,	07 Oct,	07:46:12,	0.054
7,	07 Oct,	07:56:12,	0.052
8,	07 Oct,	08:06:12,	0.018
9,	07 Oct,	08:16:12,	0.004
10,	07 Oct,	08:26:12,	0.001
11,	07 Oct,	08:36:12,	0.001
12,	07 Oct,	08:46:12,	0.001
13,	07 Oct,	08:56:12,	0.000
14,	07 Oct,	09:06:12,	0.000
15,	07 Oct,	09:16:12,	0.000
16,	07 Oct,	09:26:12,	0.000
17,	07 Oct,	09:36:12,	0.000
18,	07 Oct,	09:46:12,	0.000
19,	07 Oct,	09:56:12,	0.000
20,	07 Oct,	10:06:12,	0.000
21,	07 Oct,	10:16:12,	0.000
22,	07 Oct,	10:26:12,	0.000
23,	07 Oct,	10:36:12,	0.000
24,	07 Oct,	10:46:12,	0.000
25,	07 Oct,	10:56:12,	0.000
26,	07 Oct,	11:06:12,	0.000
27,	07 Oct,	11:16:12,	0.000
28,	07 Oct,	11:26:12,	0.000
29,	07 Oct,	11:36:12,	0.000
30,	07 Oct,	11:46:12,	0.000
31,	07 Oct,	11:56:12,	0.000
32,	07 Oct,	12:06:12,	0.000
33,	07 Oct,	12:16:12,	0.000
34,	07 Oct,	12:26:12,	0.000
35,	07 Oct,	12:36:12,	0.000
36,	07 Oct,	12:46:12,	0.000
37,	07 Oct,	12:56:12,	0.000
38,	07 Oct,	13:06:12,	0.000
39,	07 Oct,	13:16:12,	0.000
40,	07 Oct,	13:26:12,	0.000
41,	07 Oct,	13:36:12,	0.000
42,	07 Oct,	13:46:12,	0.000
43,	07 Oct,	13:56:12,	0.000
44,	07 Oct,	14:06:12,	0.000
45,	07 Oct,	14:16:12,	0.000
46,	07 Oct,	14:26:12,	0.000
47,	07 Oct,	14:36:12,	0.000
48,	07 Oct,	14:46:12,	0.000
49,	07 Oct,	14:56:12,	0.000
50,	07 Oct,	15:06:12,	0.000
51,	07 Oct,	15:16:12,	0.000
52,	07 Oct,	15:26:12,	0.000
53,	07 Oct,	15:36:12,	0.000
54,	07 Oct,	15:46:12,	0.002
55,	07 Oct,	15:56:12,	0.000

56,	07 Oct,	16:06:12,	0.000
57,	07 Oct,	16:16:12,	0.000
58,	07 Oct,	16:26:12,	0.000
59,	07 Oct,	16:36:12,	0.003
60,	07 Oct,	16:46:12,	0.001
61,	07 Oct,	16:56:12,	0.000
62,	07 Oct,	17:06:12,	0.000
63,	07 Oct,	17:16:12,	0.000
64,	07 Oct,	17:26:12,	0.000
65,	07 Oct,	17:36:12,	0.001
66,	07 Oct,	17:46:12,	0.000
67,	07 Oct,	17:56:12,	0.010
68,	07 Oct,	18:06:12,	0.000
69,	07 Oct,	18:16:12,	0.000
70,	07 Oct,	18:26:12,	0.000
71,	07 Oct,	18:36:12,	0.000

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pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 18
Number of logged points: 72
Start time and date: 06:41:47 08-Oct
Elapsed time: 12:00:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 4.499 mg/m³
Time at maximum: 15:33:57 Oct 08
Max STEL Concentration: 0.157 mg/m³
Time at max STEL: 15:47:47 Oct 08
Overall Avg Conc: 0.002 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	08 Oct	06:51:47	0.004
2	08 Oct	07:01:47	0.000
3	08 Oct	07:11:47	0.000
4	08 Oct	07:21:47	0.000
5	08 Oct	07:31:47	0.000
6	08 Oct	07:41:47	0.000
7	08 Oct	07:51:47	0.000
8	08 Oct	08:01:47	0.000
9	08 Oct	08:11:47	0.000
10	08 Oct	08:21:47	0.000
11	08 Oct	08:31:47	0.000
12	08 Oct	08:41:47	0.000
13	08 Oct	08:51:47	0.000
14	08 Oct	09:01:47	0.000
15	08 Oct	09:11:47	0.000
16	08 Oct	09:21:47	0.000
17	08 Oct	09:31:47	0.000
18	08 Oct	09:41:47	0.000
19	08 Oct	09:51:47	0.000
20	08 Oct	10:01:47	0.000
21	08 Oct	10:11:47	0.000
22	08 Oct	10:21:47	0.000
23	08 Oct	10:31:47	0.000
24	08 Oct	10:41:47	0.000
25	08 Oct	10:51:47	0.000
26	08 Oct	11:01:47	0.000
27	08 Oct	11:11:47	0.000
28	08 Oct	11:21:47	0.000
29	08 Oct	11:31:47	0.000
30	08 Oct	11:41:47	0.000
31	08 Oct	11:51:47	0.000
32	08 Oct	12:01:47	0.000
33	08 Oct	12:11:47	0.000
34	08 Oct	12:21:47	0.000
35	08 Oct	12:31:47	0.000
36	08 Oct	12:41:47	0.000
37	08 Oct	12:51:47	0.000
38	08 Oct	13:01:47	0.001
39	08 Oct	13:11:47	0.000
40	08 Oct	13:21:47	0.000
41	08 Oct	13:31:47	0.000
42	08 Oct	13:41:47	0.000
43	08 Oct	13:51:47	0.000
44	08 Oct	14:01:47	0.007
45	08 Oct	14:11:47	0.008
46	08 Oct	14:21:47	0.003
47	08 Oct	14:31:47	0.016
48	08 Oct	14:41:47	0.000
49	08 Oct	14:51:47	0.000
50	08 Oct	15:01:47	0.000
51	08 Oct	15:11:47	0.000
52	08 Oct	15:21:47	0.000
53	08 Oct	15:31:47	0.042
54	08 Oct	15:41:47	0.228 *
55	08 Oct	15:51:47	0.067

56,	08 Oct,	16:01:47,	0.004
57,	08 Oct,	16:11:47,	0.002
58,	08 Oct,	16:21:47,	0.001
59,	08 Oct,	16:31:47,	0.002
60,	08 Oct,	16:41:47,	0.000
61,	08 Oct,	16:51:47,	0.001
62,	08 Oct,	17:01:47,	0.001
63,	08 Oct,	17:11:47,	0.000
64,	08 Oct,	17:21:47,	0.002
65,	08 Oct,	17:31:47,	0.002
66,	08 Oct,	17:41:47,	0.005
67,	08 Oct,	17:51:47,	0.004
68,	08 Oct,	18:01:47,	0.001
69,	08 Oct,	18:11:47,	0.004
70,	08 Oct,	18:21:47,	0.008
71,	08 Oct,	18:31:47,	0.015
72,	08 Oct,	18:41:47,	0.027

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pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 19
Number of logged points: 72
Start time and date: 06:41:04 08-Oct
Elapsed time: 12:00:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.169 mg/m³
Time at maximum: 18:30:50 Oct 08
Max STEL Concentration: 0.051 mg/m³
Time at max STEL: 07:55:34 Oct 08
Overall Avg Conc: 0.012 mg/m³
Logged Data:

Point,	Date	, Time	, Avg.(mg/m³)
1,	08 Oct,	06:51:04,	0.005
2,	08 Oct,	07:01:04,	0.014
3,	08 Oct,	07:11:04,	0.023
4,	08 Oct,	07:21:04,	0.037
5,	08 Oct,	07:31:04,	0.044
6,	08 Oct,	07:41:04,	0.045
7,	08 Oct,	07:51:04,	0.051
8,	08 Oct,	08:01:04,	0.048
9,	08 Oct,	08:11:04,	0.045
10,	08 Oct,	08:21:04,	0.027
11,	08 Oct,	08:31:04,	0.016
12,	08 Oct,	08:41:04,	0.015
13,	08 Oct,	08:51:04,	0.016
14,	08 Oct,	09:01:04,	0.024
15,	08 Oct,	09:11:04,	0.021
16,	08 Oct,	09:21:04,	0.016
17,	08 Oct,	09:31:04,	0.014
18,	08 Oct,	09:41:04,	0.014
19,	08 Oct,	09:51:04,	0.010
20,	08 Oct,	10:01:04,	0.011
21,	08 Oct,	10:11:04,	0.012
22,	08 Oct,	10:21:04,	0.011
23,	08 Oct,	10:31:04,	0.013
24,	08 Oct,	10:41:04,	0.016
25,	08 Oct,	10:51:04,	0.015
26,	08 Oct,	11:01:04,	0.010
27,	08 Oct,	11:11:04,	0.014
28,	08 Oct,	11:21:04,	0.013
29,	08 Oct,	11:31:04,	0.013
30,	08 Oct,	11:41:04,	0.007
31,	08 Oct,	11:51:04,	0.003
32,	08 Oct,	12:01:04,	0.003
33,	08 Oct,	12:11:04,	0.001
34,	08 Oct,	12:21:04,	0.001
35,	08 Oct,	12:31:04,	0.001
36,	08 Oct,	12:41:04,	0.001
37,	08 Oct,	12:51:04,	0.002
38,	08 Oct,	13:01:04,	0.000
39,	08 Oct,	13:11:04,	0.004
40,	08 Oct,	13:21:04,	0.000
41,	08 Oct,	13:31:04,	0.000
42,	08 Oct,	13:41:04,	0.000
43,	08 Oct,	13:51:04,	0.000
44,	08 Oct,	14:01:04,	0.000
45,	08 Oct,	14:11:04,	0.000
46,	08 Oct,	14:21:04,	0.007
47,	08 Oct,	14:31:04,	0.001
48,	08 Oct,	14:41:04,	0.005
49,	08 Oct,	14:51:04,	0.001
50,	08 Oct,	15:01:04,	0.000
51,	08 Oct,	15:11:04,	0.010
52,	08 Oct,	15:21:04,	0.023
53,	08 Oct,	15:31:04,	0.000
54,	08 Oct,	15:41:04,	0.001
55,	08 Oct,	15:51:04,	0.004

56,	08 Oct,	16:01:04,	0.002
57,	08 Oct,	16:11:04,	0.001
58,	08 Oct,	16:21:04,	0.002
59,	08 Oct,	16:31:04,	0.002
60,	08 Oct,	16:41:04,	0.008
61,	08 Oct,	16:51:04,	0.003
62,	08 Oct,	17:01:04,	0.007
63,	08 Oct,	17:11:04,	0.005
64,	08 Oct,	17:21:04,	0.008
65,	08 Oct,	17:31:04,	0.013
66,	08 Oct,	17:41:04,	0.015
67,	08 Oct,	17:51:04,	0.014
68,	08 Oct,	18:01:04,	0.018
69,	08 Oct,	18:11:04,	0.032
70,	08 Oct,	18:21:04,	0.039
71,	08 Oct,	18:31:04,	0.042
72,	08 Oct,	18:41:04,	0.048

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pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 17
Number of logged points: 73
Start time and date: 06:40:49 08-Oct
Elapsed time: 12:10:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.966 mg/m³
Time at maximum: 15:22:15 Oct 08
Max STEL Concentration: 0.055 mg/m³
Time at max STEL: 08:16:49 Oct 08
Overall Avg Conc: 0.018 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	08 Oct	06:50:49	0.005
2	08 Oct	07:00:49	0.010
3	08 Oct	07:10:49	0.012
4	08 Oct	07:20:49	0.016
5	08 Oct	07:30:49	0.023
6	08 Oct	07:40:49	0.026
7	08 Oct	07:50:49	0.028
8	08 Oct	08:00:49	0.035
9	08 Oct	08:10:49	0.053
10	08 Oct	08:20:49	0.047
11	08 Oct	08:30:49	0.035
12	08 Oct	08:40:49	0.032
13	08 Oct	08:50:49	0.035
14	08 Oct	09:00:49	0.038
15	08 Oct	09:10:49	0.043
16	08 Oct	09:20:49	0.039
17	08 Oct	09:30:49	0.036
18	08 Oct	09:40:49	0.038
19	08 Oct	09:50:49	0.037
20	08 Oct	10:00:49	0.043
21	08 Oct	10:10:49	0.037
22	08 Oct	10:20:49	0.027
23	08 Oct	10:30:49	0.028
24	08 Oct	10:40:49	0.028
25	08 Oct	10:50:49	0.029
26	08 Oct	11:00:49	0.025
27	08 Oct	11:10:49	0.023
28	08 Oct	11:20:49	0.018
29	08 Oct	11:30:49	0.014
30	08 Oct	11:40:49	0.007
31	08 Oct	11:50:49	0.009
32	08 Oct	12:00:49	0.014
33	08 Oct	12:10:49	0.003
34	08 Oct	12:20:49	0.002
35	08 Oct	12:30:49	0.000
36	08 Oct	12:40:49	0.004
37	08 Oct	12:50:49	0.003
38	08 Oct	13:00:49	0.005
39	08 Oct	13:10:49	0.005
40	08 Oct	13:20:49	0.005
41	08 Oct	13:30:49	0.022
42	08 Oct	13:40:49	0.007
43	08 Oct	13:50:49	0.026
44	08 Oct	14:00:49	0.018
45	08 Oct	14:10:49	0.000
46	08 Oct	14:20:49	0.039
47	08 Oct	14:30:49	0.010
48	08 Oct	14:40:49	0.003
49	08 Oct	14:50:49	0.025
50	08 Oct	15:00:49	0.021
51	08 Oct	15:10:49	0.033
52	08 Oct	15:20:49	0.003
53	08 Oct	15:30:49	0.049
54	08 Oct	15:40:49	0.007
55	08 Oct	15:50:49	0.002

56,	08 Oct,	16:00:49,	0.002
57,	08 Oct,	16:10:49,	0.001
58,	08 Oct,	16:20:49,	0.002
59,	08 Oct,	16:30:49,	0.002
60,	08 Oct,	16:40:49,	0.003
61,	08 Oct,	16:50:49,	0.011
62,	08 Oct,	17:00:49,	0.003
63,	08 Oct,	17:10:49,	0.002
64,	08 Oct,	17:20:49,	0.003
65,	08 Oct,	17:30:49,	0.004
66,	08 Oct,	17:40:49,	0.010
67,	08 Oct,	17:50:49,	0.013
68,	08 Oct,	18:00:49,	0.016
69,	08 Oct,	18:10:49,	0.022
70,	08 Oct,	18:20:49,	0.028
71,	08 Oct,	18:30:49,	0.027
72,	08 Oct,	18:40:49,	0.038
73,	08 Oct,	18:50:49,	0.037

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 19
Number of logged points: 71
Start time and date: 06:32:55 09-Oct
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.171 mg/m³
Time at maximum: 07:38:16 Oct 09
Max STEL Concentration: 0.137 mg/m³
Time at max STEL: 07:41:25 Oct 09
Overall Avg Conc: 0.000 mg/m³
Logged Data:

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Point,	Date	Time	Avg.(mg/m³)
1,	09 Oct,	06:42:55,	0.000
2,	09 Oct,	06:52:55,	0.000
3,	09 Oct,	07:02:55,	0.001
4,	09 Oct,	07:12:55,	0.006
5,	09 Oct,	07:22:55,	0.034
6,	09 Oct,	07:32:55,	0.109
7,	09 Oct,	07:42:55,	0.130
8,	09 Oct,	07:52:55,	0.047
9,	09 Oct,	08:02:55,	0.010
10,	09 Oct,	08:12:55,	0.001
11,	09 Oct,	08:22:55,	0.000
12,	09 Oct,	08:32:55,	0.000
13,	09 Oct,	08:42:55,	0.000
14,	09 Oct,	08:52:55,	0.000
15,	09 Oct,	09:02:55,	0.000
16,	09 Oct,	09:12:55,	0.000
17,	09 Oct,	09:22:55,	0.000
18,	09 Oct,	09:32:55,	0.000
19,	09 Oct,	09:42:55,	0.000
20,	09 Oct,	09:52:55,	0.000
21,	09 Oct,	10:02:55,	0.000
22,	09 Oct,	10:12:55,	0.000
23,	09 Oct,	10:22:55,	0.000
24,	09 Oct,	10:32:55,	0.000
25,	09 Oct,	10:42:55,	0.000
26,	09 Oct,	10:52:55,	0.000
27,	09 Oct,	11:02:55,	0.000
28,	09 Oct,	11:12:55,	0.000
29,	09 Oct,	11:22:55,	0.000
30,	09 Oct,	11:32:55,	0.000
31,	09 Oct,	11:42:55,	0.000
32,	09 Oct,	11:52:55,	0.000
33,	09 Oct,	12:02:55,	0.001
34,	09 Oct,	12:12:55,	0.000
35,	09 Oct,	12:22:55,	0.000
36,	09 Oct,	12:32:55,	0.001
37,	09 Oct,	12:42:55,	0.000
38,	09 Oct,	12:52:55,	0.000
39,	09 Oct,	13:02:55,	0.002
40,	09 Oct,	13:12:55,	0.000
41,	09 Oct,	13:22:55,	0.000
42,	09 Oct,	13:32:55,	0.001
43,	09 Oct,	13:42:55,	0.001
44,	09 Oct,	13:52:55,	0.000
45,	09 Oct,	14:02:55,	0.000
46,	09 Oct,	14:12:55,	0.000
47,	09 Oct,	14:22:55,	0.000
48,	09 Oct,	14:32:55,	0.000
49,	09 Oct,	14:42:55,	0.000
50,	09 Oct,	14:52:55,	0.000
51,	09 Oct,	15:02:55,	0.001
52,	09 Oct,	15:12:55,	0.000
53,	09 Oct,	15:22:55,	0.000
54,	09 Oct,	15:32:55,	0.000
55,	09 Oct,	15:42:55,	0.000

56,	09 Oct,	15:52:55,	0.000
57,	09 Oct,	16:02:55,	0.000
58,	09 Oct,	16:12:55,	0.000
59,	09 Oct,	16:22:55,	0.000
60,	09 Oct,	16:32:55,	0.000
61,	09 Oct,	16:42:55,	0.000
62,	09 Oct,	16:52:55,	0.003
63,	09 Oct,	17:02:55,	0.000
64,	09 Oct,	17:12:55,	0.002
65,	09 Oct,	17:22:55,	0.000
66,	09 Oct,	17:32:55,	0.006
67,	09 Oct,	17:42:55,	0.008
68,	09 Oct,	17:52:55,	0.003
69,	09 Oct,	18:02:55,	0.001
70,	09 Oct,	18:12:55,	0.005
71,	09 Oct,	18:22:55,	0.005

pDR-1000 S/N: 04453
User ID: Tantara_9191_Downwind2
Tag Number: 18
Number of logged points: 73
Start time and date: 06:36:41 09-Oct
Elapsed time: 12:10:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 2.771 mg/m³
Time at maximum: 07:59:44 Oct 09
Max STEL Concentration: 0.199 mg/m³
Time at max STEL: 08:13:11 Oct 09
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	09 Oct,	06:46:41,	0.004
2,	09 Oct,	06:56:41,	0.001
3,	09 Oct,	07:06:41,	0.000
4,	09 Oct,	07:16:41,	0.000
5,	09 Oct,	07:26:41,	0.025
6,	09 Oct,	07:36:41,	0.088 *
7,	09 Oct,	07:46:41,	0.054
8,	09 Oct,	07:56:41,	0.059
9,	09 Oct,	08:06:41,	0.244 *
10,	09 Oct,	08:16:41,	0.089 *
11,	09 Oct,	08:26:41,	0.019
12,	09 Oct,	08:36:41,	0.005
13,	09 Oct,	08:46:41,	0.002
14,	09 Oct,	08:56:41,	0.001
15,	09 Oct,	09:06:41,	0.002
16,	09 Oct,	09:16:41,	0.000
17,	09 Oct,	09:26:41,	0.000
18,	09 Oct,	09:36:41,	0.000
19,	09 Oct,	09:46:41,	0.000
20,	09 Oct,	09:56:41,	0.000
21,	09 Oct,	10:06:41,	0.005
22,	09 Oct,	10:16:41,	0.000
23,	09 Oct,	10:26:41,	0.000
24,	09 Oct,	10:36:41,	0.000
25,	09 Oct,	10:46:41,	0.000
26,	09 Oct,	10:56:41,	0.000
27,	09 Oct,	11:06:41,	0.000
28,	09 Oct,	11:16:41,	0.000
29,	09 Oct,	11:26:41,	0.000
30,	09 Oct,	11:36:41,	0.000
31,	09 Oct,	11:46:41,	0.000
32,	09 Oct,	11:56:41,	0.000
33,	09 Oct,	12:06:41,	0.000
34,	09 Oct,	12:16:41,	0.000
35,	09 Oct,	12:26:41,	0.000
36,	09 Oct,	12:36:41,	0.000
37,	09 Oct,	12:46:41,	0.001
38,	09 Oct,	12:56:41,	0.000
39,	09 Oct,	13:06:41,	0.000
40,	09 Oct,	13:16:41,	0.000
41,	09 Oct,	13:26:41,	0.000
42,	09 Oct,	13:36:41,	0.000
43,	09 Oct,	13:46:41,	0.000
44,	09 Oct,	13:56:41,	0.000
45,	09 Oct,	14:06:41,	0.000
46,	09 Oct,	14:16:41,	0.000
47,	09 Oct,	14:26:41,	0.004
48,	09 Oct,	14:36:41,	0.000
49,	09 Oct,	14:46:41,	0.000
50,	09 Oct,	14:56:41,	0.000
51,	09 Oct,	15:06:41,	0.000
52,	09 Oct,	15:16:41,	0.000
53,	09 Oct,	15:26:41,	0.000
54,	09 Oct,	15:36:41,	0.000
55,	09 Oct,	15:46:41,	0.000

56,	09 Oct,	15:56:41,	0.000
57,	09 Oct,	16:06:41,	0.000
58,	09 Oct,	16:16:41,	0.000
59,	09 Oct,	16:26:41,	0.078*
60,	09 Oct,	16:36:41,	0.126*
61,	09 Oct,	16:46:41,	0.028
62,	09 Oct,	16:56:41,	0.002
63,	09 Oct,	17:06:41,	0.000
64,	09 Oct,	17:16:41,	0.000
65,	09 Oct,	17:26:41,	0.000
66,	09 Oct,	17:36:41,	0.000
67,	09 Oct,	17:46:41,	0.001
68,	09 Oct,	17:56:41,	0.000
69,	09 Oct,	18:06:41,	0.001
70,	09 Oct,	18:16:41,	0.000
71,	09 Oct,	18:26:41,	0.000
72,	09 Oct,	18:36:41,	0.003
73,	09 Oct,	18:46:41,	0.001

23

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 18
Number of logged points: 73
Start time and date: 06:36:41 09-Oct
Elapsed time: 12:10:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 2.771 mg/m³
Time at maximum: 07:59:44 Oct 09
Max STEL Concentration: 0.199 mg/m³
Time at max STEL: 08:13:11 Oct 09
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	09 Oct	06:46:41	0.004
2	09 Oct	06:56:41	0.001
3	09 Oct	07:06:41	0.000
4	09 Oct	07:16:41	0.000
5	09 Oct	07:26:41	0.025
6	09 Oct	07:36:41	0.088
7	09 Oct	07:46:41	0.054
8	09 Oct	07:56:41	0.059
9	09 Oct	08:06:41	0.244
10	09 Oct	08:16:41	0.089
11	09 Oct	08:26:41	0.019
12	09 Oct	08:36:41	0.005
13	09 Oct	08:46:41	0.002
14	09 Oct	08:56:41	0.001
15	09 Oct	09:06:41	0.002
16	09 Oct	09:16:41	0.000
17	09 Oct	09:26:41	0.000
18	09 Oct	09:36:41	0.000
19	09 Oct	09:46:41	0.000
20	09 Oct	09:56:41	0.000
21	09 Oct	10:06:41	0.005
22	09 Oct	10:16:41	0.000
23	09 Oct	10:26:41	0.000
24	09 Oct	10:36:41	0.000
25	09 Oct	10:46:41	0.000
26	09 Oct	10:56:41	0.000
27	09 Oct	11:06:41	0.000
28	09 Oct	11:16:41	0.000
29	09 Oct	11:26:41	0.000
30	09 Oct	11:36:41	0.000
31	09 Oct	11:46:41	0.000
32	09 Oct	11:56:41	0.000
33	09 Oct	12:06:41	0.000
34	09 Oct	12:16:41	0.000
35	09 Oct	12:26:41	0.000
36	09 Oct	12:36:41	0.000
37	09 Oct	12:46:41	0.001
38	09 Oct	12:56:41	0.000
39	09 Oct	13:06:41	0.000
40	09 Oct	13:16:41	0.000
41	09 Oct	13:26:41	0.000
42	09 Oct	13:36:41	0.000
43	09 Oct	13:46:41	0.000
44	09 Oct	13:56:41	0.000
45	09 Oct	14:06:41	0.000
46	09 Oct	14:16:41	0.000
47	09 Oct	14:26:41	0.004
48	09 Oct	14:36:41	0.000
49	09 Oct	14:46:41	0.000
50	09 Oct	14:56:41	0.000
51	09 Oct	15:06:41	0.000
52	09 Oct	15:16:41	0.000
53	09 Oct	15:26:41	0.000
54	09 Oct	15:36:41	0.000
55	09 Oct	15:46:41	0.000

56,	09 Oct,	15:56:41,	0.000
57,	09 Oct,	16:06:41,	0.000
58,	09 Oct,	16:16:41,	0.000
59,	09 Oct,	16:26:41,	0.078
60,	09 Oct,	16:36:41,	0.126
61,	09 Oct,	16:46:41,	0.028
62,	09 Oct,	16:56:41,	0.002
63,	09 Oct,	17:06:41,	0.000
64,	09 Oct,	17:16:41,	0.000
65,	09 Oct,	17:26:41,	0.000
66,	09 Oct,	17:36:41,	0.000
67,	09 Oct,	17:46:41,	0.001
68,	09 Oct,	17:56:41,	0.000
69,	09 Oct,	18:06:41,	0.001
70,	09 Oct,	18:16:41,	0.000
71,	09 Oct,	18:26:41,	0.000
72,	09 Oct,	18:36:41,	0.003
73,	09 Oct,	18:46:41,	0.001

ZY

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 20
Number of logged points: 45
Start time and date: 06:35:39 10-Oct
Elapsed time: 07:30:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.685 mg/m³
Time at maximum: 06:35:40 Oct 10
Max STEL Concentration: 0.099 mg/m³
Time at max STEL: 07:41:39 Oct 10
Overall Avg Conc: 0.000 mg/m³
Logged Data:

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Point,	Date ,	Time ,	Avg.(mg/m³)
1,	10 Oct,	06:45:39,	0.002
2,	10 Oct,	06:55:39,	0.000
3,	10 Oct,	07:05:39,	0.002
4,	10 Oct,	07:15:39,	0.026
5,	10 Oct,	07:25:39,	0.069
6,	10 Oct,	07:35:39,	0.099 *
7,	10 Oct,	07:45:39,	0.080 *
8,	10 Oct,	07:55:39,	0.001
9,	10 Oct,	08:05:39,	0.016
10,	10 Oct,	08:15:39,	0.065
11,	10 Oct,	08:25:39,	0.006
12,	10 Oct,	08:35:39,	0.000
13,	10 Oct,	08:45:39,	0.000
14,	10 Oct,	08:55:39,	0.000
15,	10 Oct,	09:05:39,	0.000
16,	10 Oct,	09:15:39,	0.001
17,	10 Oct,	09:25:39,	0.000
18,	10 Oct,	09:35:39,	0.000
19,	10 Oct,	09:45:39,	0.000
20,	10 Oct,	09:55:39,	0.000
21,	10 Oct,	10:05:39,	0.000
22,	10 Oct,	10:15:39,	0.009
23,	10 Oct,	10:25:39,	0.000
24,	10 Oct,	10:35:39,	0.000
25,	10 Oct,	10:45:39,	0.000
26,	10 Oct,	10:55:39,	0.005
27,	10 Oct,	11:05:39,	0.024
28,	10 Oct,	11:15:39,	0.010
29,	10 Oct,	11:25:39,	0.059
30,	10 Oct,	11:35:39,	0.083 *
31,	10 Oct,	11:45:39,	0.040
32,	10 Oct,	11:55:39,	0.000
33,	10 Oct,	12:05:39,	0.000
34,	10 Oct,	12:15:39,	0.000
35,	10 Oct,	12:25:39,	0.000
36,	10 Oct,	12:35:39,	0.000
37,	10 Oct,	12:45:39,	0.000
38,	10 Oct,	12:55:39,	0.000
39,	10 Oct,	13:05:39,	0.000
40,	10 Oct,	13:15:39,	0.000
41,	10 Oct,	13:25:39,	0.000
42,	10 Oct,	13:35:39,	0.001
43,	10 Oct,	13:45:39,	0.000
44,	10 Oct,	13:55:39,	0.000
45,	10 Oct,	14:05:39,	0.006

26

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 21
Number of logged points: 45
Start time and date: 06:40:15 10-Oct
Elapsed time: 07:30:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.240 mg/m³
Time at maximum: 07:48:28 Oct 10
Max STEL Concentration: 0.199 mg/m³
Time at max STEL: 07:58:45 Oct 10
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	10 Oct	06:50:15	0.000
2	10 Oct	07:00:15	0.002
3	10 Oct	07:10:15	0.036
4	10 Oct	07:20:15	0.132*
5	10 Oct	07:30:15	0.168*
6	10 Oct	07:40:15	0.158*
7	10 Oct	07:50:15	0.192*
8	10 Oct	08:00:15	0.191*
9	10 Oct	08:10:15	0.156*
10	10 Oct	08:20:15	0.064
11	10 Oct	08:30:15	0.000
12	10 Oct	08:40:15	0.000
13	10 Oct	08:50:15	0.000
14	10 Oct	09:00:15	0.000
15	10 Oct	09:10:15	0.000
16	10 Oct	09:20:15	0.000
17	10 Oct	09:30:15	0.000
18	10 Oct	09:40:15	0.000
19	10 Oct	09:50:15	0.000
20	10 Oct	10:00:15	0.000
21	10 Oct	10:10:15	0.000
22	10 Oct	10:20:15	0.000
23	10 Oct	10:30:15	0.000
24	10 Oct	10:40:15	0.000
25	10 Oct	10:50:15	0.000
26	10 Oct	11:00:15	0.000
27	10 Oct	11:10:15	0.000
28	10 Oct	11:20:15	0.000
29	10 Oct	11:30:15	0.000
30	10 Oct	11:40:15	0.000
31	10 Oct	11:50:15	0.000
32	10 Oct	12:00:15	0.000
33	10 Oct	12:10:15	0.000
34	10 Oct	12:20:15	0.000
35	10 Oct	12:30:15	0.000
36	10 Oct	12:40:15	0.000
37	10 Oct	12:50:15	0.001
38	10 Oct	13:00:15	0.000
39	10 Oct	13:10:15	0.000
40	10 Oct	13:20:15	0.000
41	10 Oct	13:30:15	0.000
42	10 Oct	13:40:15	0.000
43	10 Oct	13:50:15	0.000
44	10 Oct	14:00:15	0.000
45	10 Oct	14:10:15	0.000

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pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 19
Number of logged points: 45
Start time and date: 06:41:24 10-Oct
Elapsed time: 07:30:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.280 mg/m³
Time at maximum: 08:07:38 Oct 10
Max STEL Concentration: 0.221 mg/m³
Time at max STEL: 08:15:24 Oct 10
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date	, Time	, Avg.(mg/m³)
1,	10 Oct,	06:51:24,	0.001
2,	10 Oct,	07:01:24,	0.000
3,	10 Oct,	07:11:24,	0.000
4,	10 Oct,	07:21:24,	0.000
5,	10 Oct,	07:31:24,	0.001
6,	10 Oct,	07:41:24,	0.003
7,	10 Oct,	07:51:24,	0.002
8,	10 Oct,	08:01:24,	0.085
9,	10 Oct,	08:11:24,	0.245*
10,	10 Oct,	08:21:24,	0.108*
11,	10 Oct,	08:31:24,	0.028
12,	10 Oct,	08:41:24,	0.001
13,	10 Oct,	08:51:24,	0.010
14,	10 Oct,	09:01:24,	0.012
15,	10 Oct,	09:11:24,	0.003
16,	10 Oct,	09:21:24,	0.001
17,	10 Oct,	09:31:24,	0.000
18,	10 Oct,	09:41:24,	0.000
19,	10 Oct,	09:51:24,	0.000
20,	10 Oct,	10:01:24,	0.000
21,	10 Oct,	10:11:24,	0.000
22,	10 Oct,	10:21:24,	0.000
23,	10 Oct,	10:31:24,	0.000
24,	10 Oct,	10:41:24,	0.000
25,	10 Oct,	10:51:24,	0.000
26,	10 Oct,	11:01:24,	0.000
27,	10 Oct,	11:11:24,	0.000
28,	10 Oct,	11:21:24,	0.000
29,	10 Oct,	11:31:24,	0.000
30,	10 Oct,	11:41:24,	0.000
31,	10 Oct,	11:51:24,	0.000
32,	10 Oct,	12:01:24,	0.000
33,	10 Oct,	12:11:24,	0.000
34,	10 Oct,	12:21:24,	0.000
35,	10 Oct,	12:31:24,	0.000
36,	10 Oct,	12:41:24,	0.000
37,	10 Oct,	12:51:24,	0.000
38,	10 Oct,	13:01:24,	0.000
39,	10 Oct,	13:11:24,	0.000
40,	10 Oct,	13:21:24,	0.000
41,	10 Oct,	13:31:24,	0.000
42,	10 Oct,	13:41:24,	0.000
43,	10 Oct,	13:51:24,	0.000
44,	10 Oct,	14:01:24,	0.000
45,	10 Oct,	14:11:24,	0.000

Received 10/20/03

TANTARA CORPORATION

October 19, 2003

Mr. Juraj Bajgar
Metcalf and Eddy
701 Edgewater Drive
Wakefield, MA 01880

Subject: **Pownal Tannery Superfund Site, Pownal, VT**
Subcontract # 3600100149, W/A # 150-RARA-01N9
EPA Response Action Contract No. 68-W6-0042

Re: **Perimeter Air Monitoring and Dust Control**
Report #5 for w/e October 18, 2003

Dear Mr. Bajgar:

Referencing Section 01130 Perimeter Air Monitoring and Dust Control Plan of the Contract Documents and our Perimeter Air Monitoring & Dust Control Plan dated August 20, 2003, TANTARA Corporation (TANTARA) submits this weekly report for the week ending October 18, 2003.

Sampling Procedures

Air monitoring was performed continuously during work activities. In general, the air monitoring stations were installed at 0630, 30 minutes before the start of work activities. On days with rain, the air monitoring stations were removed as not to damage the units. The air monitoring concluded 60 minutes after construction activities concluded. The locations of the air monitoring stations were consistent with the plan presented in the Perimeter Air Monitoring & Dust Control Plan. The station identification numbers and locations are summarized below.

Sample	Station ID	Location
Upwind Station	Tantara_3091_Upwind1	Southwest of Lagoon 5
Downwind Station	Tantara_9191_Downwind2	Northeast of Lagoon 2
Downwind Station	Tantara_9189_Downwind3	East of Lagoon 1

The air monitoring stations were mounted on a visibility posts and were installed approximately four (4) feet above the ground elevation. The locations were chosen to promote unrestricted air flow. The air monitoring date was obtained utilizing a MIE pDR-1000AN direct reading instrument. Measurements were conducted at one minute intervals and calculations and recordings were of a 10-minute time weighed average.

Calibration Procedures

All three (3) instruments were factory calibrated in accordance with manufactures recommendations. In addition, a field calibration was performed to zero the instrument. During the two (2) minute pre-run automatic zeroing sequence, the instrument registers its own optical

14 Fall River Avenue Rehoboth, Massachusetts 02769 voice (508) 336-9622 facsimile (508) 336-9624

background, stores that level in its memory, and then subtracts that background from all measured concentrations values.

Summary of Meteorological Data

Monday – October 13, 2003	**Morning**	**Afternoon**
Temperature	48.5 F	56.0 F
Relative Humidity	83.5 %	78.6 %
Wind Direction	Variable	Variable
Wind Speed	2 – 4 mph	1-2 mph
Weather Conditions	Cool & Dry	Clear & Dry

Tuesday – October 14, 2003	**Morning**	**Afternoon**
Temperature	38.5 F	58.0 F
Relative Humidity	53.8 %	83.6 %
Wind Direction	Variable	Variable
Wind Speed	1 – 2 mph	5 -7 mph
Weather Conditions	Cool & Damp	Dry / Clear

Wednesday – October 15, 2003	**Morning**	**Afternoon**
Temperature	43.5 F	48.3 F
Relative Humidity	93 %	100 %
Wind Direction	S / SW	Variable
Wind Speed	3 – 5 mph	10 – 15 mph
Weather Conditions	Heavy Rain	Heavy Rain

Thursday – October 16, 2003	**Morning**	**Afternoon**
Temperature	40.2 F	47.6 F
Relative Humidity	76.5 %	73.0 %
Wind Direction	Variable	Variable
Wind Speed	2 – 4 mph	5 – 10 mph
Weather Conditions	Cool	Clear & Cool

Friday – October 17, 2003	**Morning**	**Afternoon**
Temperature	37.6 F	56.5 F
Relative Humidity	67.2 %	53.0 %
Wind Direction	Calm	Calm
Wind Speed	0 mph	0 mph
Weather Conditions	Clear & Cold	Clear & Dry

Saturday – October 18, 2003	**Morning**	**Afternoon**
Temperature	39.7 F	52.5 F
Relative Humidity	70.2 %	72.5 %
Wind Direction	Calm	Calm
Wind Speed	0 mph	0 mph
Weather Conditions	Overcast	Overcast

Contaminant Levels

On Monday October 13, 2003 there were no exceedences of the 73 ug / m3 action level on the upwind stations. However, there were elevated readings on both downwind stations in the afternoon. It is believed that the chipping of trees and shredding of stumps during this week triggered these readings. Dust relating to truck traffic and the backfilling of Lagoon 2 was controlled by utilizing water on the access roads. On Tuesday October 14, 2003, the upwind station malfunctioned and all collected data was lost. However, both downwind stations did not record elevated readings throughout the day. On Wednesday October 15, 2003 heavy rains prohibited the installation of the air monitoring stations. On Thursday October 16, 2003, elevated readings, attributed to the stump grinding, were recorded in both downwind air monitoring stations. Metcalf & Eddy field personnel were notified of these readings. On Friday October 17, 2003 and Saturday October 18, 2003 there were no exceedences. On both of these days, stump grinding was not performed.

Please find attached the data from the three (3) monitoring stations for the week.

Corrective Actions

TANTARA continues to apply water on the access roads and the Lagoon 2 Area to control dust. Heavy rainfall in the middle of the week kept the roads from generating significant dust. It is believed that the stump grinding triggered the elevated readings on October 16, 2003.

I you should have any questions or desire any additional information, please do not hesitate to contact this office.

Sincerely,

Christopher Pereira
Project Manager

Encl. Data from pDR-1000

Cc. N. Thurber

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 21
Number of logged points: 71
Start time and date: 06:35:17 13-Oct
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.090 mg/m³
Time at maximum: 16:10:08 Oct 13
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 06:35:17 Oct 13
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	13 Oct,	06:45:17,	0.000
2,	13 Oct,	06:55:17,	0.000
3,	13 Oct,	07:05:17,	0.000
4,	13 Oct,	07:15:17,	0.000
5,	13 Oct,	07:25:17,	0.000
6,	13 Oct,	07:35:17,	0.000
7,	13 Oct,	07:45:17,	0.000
8,	13 Oct,	07:55:17,	0.000
9,	13 Oct,	08:05:17,	0.000
10,	13 Oct,	08:15:17,	0.000
11,	13 Oct,	08:25:17,	0.000
12,	13 Oct,	08:35:17,	0.000
13,	13 Oct,	08:45:17,	0.000
14,	13 Oct,	08:55:17,	0.000
15,	13 Oct,	09:05:17,	0.000
16,	13 Oct,	09:15:17,	0.000
17,	13 Oct,	09:25:17,	0.000
18,	13 Oct,	09:35:17,	0.000
19,	13 Oct,	09:45:17,	0.000
20,	13 Oct,	09:55:17,	0.000
21,	13 Oct,	10:05:17,	0.000
22,	13 Oct,	10:15:17,	0.000
23,	13 Oct,	10:25:17,	0.000
24,	13 Oct,	10:35:17,	0.000
25,	13 Oct,	10:45:17,	0.000
26,	13 Oct,	10:55:17,	0.000
27,	13 Oct,	11:05:17,	0.000
28,	13 Oct,	11:15:17,	0.000
29,	13 Oct,	11:25:17,	0.000
30,	13 Oct,	11:35:17,	0.000
31,	13 Oct,	11:45:17,	0.000
32,	13 Oct,	11:55:17,	0.000
33,	13 Oct,	12:05:17,	0.000
34,	13 Oct,	12:15:17,	0.000
35,	13 Oct,	12:25:17,	0.000
36,	13 Oct,	12:35:17,	0.000
37,	13 Oct,	12:45:17,	0.000
38,	13 Oct,	12:55:17,	0.000
39,	13 Oct,	13:05:17,	0.000
40,	13 Oct,	13:15:17,	0.000
41,	13 Oct,	13:25:17,	0.000
42,	13 Oct,	13:35:17,	0.000
43,	13 Oct,	13:45:17,	0.000
44,	13 Oct,	13:55:17,	0.000
45,	13 Oct,	14:05:17,	0.000
46,	13 Oct,	14:15:17,	0.000
47,	13 Oct,	14:25:17,	0.000
48,	13 Oct,	14:35:17,	0.000
49,	13 Oct,	14:45:17,	0.000
50,	13 Oct,	14:55:17,	0.000
51,	13 Oct,	15:05:17,	0.000
52,	13 Oct,	15:15:17,	0.000
53,	13 Oct,	15:25:17,	0.000
54,	13 Oct,	15:35:17,	0.000
55,	13 Oct,	15:45:17,	0.000

56,	13 Oct,	15:55:17,	0.000
57,	13 Oct,	16:05:17,	0.000
58,	13 Oct,	16:15:17,	0.005
59,	13 Oct,	16:25:17,	0.000
60,	13 Oct,	16:35:17,	0.001
61,	13 Oct,	16:45:17,	0.000
62,	13 Oct,	16:55:17,	0.000
63,	13 Oct,	17:05:17,	0.000
64,	13 Oct,	17:15:17,	0.004
65,	13 Oct,	17:25:17,	0.000
66,	13 Oct,	17:35:17,	0.000
67,	13 Oct,	17:45:17,	0.000
68,	13 Oct,	17:55:17,	0.000
69,	13 Oct,	18:05:17,	0.000
70,	13 Oct,	18:15:17,	0.000
71,	13 Oct,	18:25:17,	0.000

2

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 22
Number of logged points: 71
Start time and date: 06:39:08 13-Oct
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 4.652 mg/m³
Time at maximum: 13:01:28 Oct 13
Max STEL Concentration: 0.094 mg/m³
Time at max STEL: 13:13:39 Oct 13
Overall Avg Conc: 0.000 mg/m³
Logged Data:

3

Point	Date	Time	Avg.(mg/m³)
1	13 Oct	06:49:08	0.000
2	13 Oct	06:59:08	0.000
3	13 Oct	07:09:08	0.000
4	13 Oct	07:19:08	0.000
5	13 Oct	07:29:08	0.000
6	13 Oct	07:39:08	0.000
7	13 Oct	07:49:08	0.000
8	13 Oct	07:59:08	0.000
9	13 Oct	08:09:08	0.000
10	13 Oct	08:19:08	0.000
11	13 Oct	08:29:08	0.000
12	13 Oct	08:39:08	0.000
13	13 Oct	08:49:08	0.000
14	13 Oct	08:59:08	0.000
15	13 Oct	09:09:08	0.000
16	13 Oct	09:19:08	0.000
17	13 Oct	09:29:08	0.000
18	13 Oct	09:39:08	0.000
19	13 Oct	09:49:08	0.000
20	13 Oct	09:59:08	0.000
21	13 Oct	10:09:08	0.000
22	13 Oct	10:19:08	0.000
23	13 Oct	10:29:08	0.000
24	13 Oct	10:39:08	0.000
25	13 Oct	10:49:08	0.000
26	13 Oct	10:59:08	0.000
27	13 Oct	11:09:08	0.000
28	13 Oct	11:19:08	0.000
29	13 Oct	11:29:08	0.000
30	13 Oct	11:39:08	0.000
31	13 Oct	11:49:08	0.000
32	13 Oct	11:59:08	0.000
33	13 Oct	12:09:08	0.000
34	13 Oct	12:19:08	0.000
35	13 Oct	12:29:08	0.000
36	13 Oct	12:39:08	0.000
37	13 Oct	12:49:08	0.000
38	13 Oct	12:59:08	0.000
39	13 Oct	13:09:08	0.291
40	13 Oct	13:19:08	0.000
41	13 Oct	13:29:08	0.000
42	13 Oct	13:39:08	0.000
43	13 Oct	13:49:08	0.000
44	13 Oct	13:59:08	0.000
45	13 Oct	14:09:08	0.000
46	13 Oct	14:19:08	0.008
47	13 Oct	14:29:08	0.000
48	13 Oct	14:39:08	0.022
49	13 Oct	14:49:08	0.000
50	13 Oct	14:59:08	0.000
51	13 Oct	15:09:08	0.000
52	13 Oct	15:19:08	0.000
53	13 Oct	15:29:08	0.000
54	13 Oct	15:39:08	0.000
55	13 Oct	15:49:08	0.000

56,	13 Oct,	15:59:08,	0.000
57,	13 Oct,	16:09:08,	0.000
58,	13 Oct,	16:19:08,	0.000
59,	13 Oct,	16:29:08,	0.000
60,	13 Oct,	16:39:08,	0.000
61,	13 Oct,	16:49:08,	0.000
62,	13 Oct,	16:59:08,	0.000
63,	13 Oct,	17:09:08,	0.000
64,	13 Oct,	17:19:08,	0.000
65,	13 Oct,	17:29:08,	0.000
66,	13 Oct,	17:39:08,	0.001
67,	13 Oct,	17:49:08,	0.000
68,	13 Oct,	17:59:08,	0.000
69,	13 Oct,	18:09:08,	0.000
70,	13 Oct,	18:19:08,	0.000
71,	13 Oct,	18:29:08,	0.002

4

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 20
Number of logged points: 71
Start time and date: 06:40:28 13-Oct
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 2.061 mg/m³
Time at maximum: 13:56:59 Oct 13
Max STEL Concentration: 0.214 mg/m³
Time at max STEL: 14:00:29 Oct 13
Overall Avg Conc: 0.000 mg/m³
Logged Data:

6

Point,	Date	Time	Avg.(mg/m³)
1,	13 Oct,	06:50:28,	0.005
2,	13 Oct,	07:00:28,	0.000
3,	13 Oct,	07:10:28,	0.000
4,	13 Oct,	07:20:28,	0.000
5,	13 Oct,	07:30:28,	0.000
6,	13 Oct,	07:40:28,	0.000
7,	13 Oct,	07:50:28,	0.000
8,	13 Oct,	08:00:28,	0.000
9,	13 Oct,	08:10:28,	0.000
10,	13 Oct,	08:20:28,	0.000
11,	13 Oct,	08:30:28,	0.000
12,	13 Oct,	08:40:28,	0.000
13,	13 Oct,	08:50:28,	0.000
14,	13 Oct,	09:00:28,	0.000
15,	13 Oct,	09:10:28,	0.000
16,	13 Oct,	09:20:28,	0.000
17,	13 Oct,	09:30:28,	0.000
18,	13 Oct,	09:40:28,	0.000
19,	13 Oct,	09:50:28,	0.000
20,	13 Oct,	10:00:28,	0.000
21,	13 Oct,	10:10:28,	0.000
22,	13 Oct,	10:20:28,	0.001
23,	13 Oct,	10:30:28,	0.000
24,	13 Oct,	10:40:28,	0.008
25,	13 Oct,	10:50:28,	0.000
26,	13 Oct,	11:00:28,	0.001
27,	13 Oct,	11:10:28,	0.002
28,	13 Oct,	11:20:28,	0.000
29,	13 Oct,	11:30:28,	0.014
30,	13 Oct,	11:40:28,	0.003
31,	13 Oct,	11:50:28,	0.005
32,	13 Oct,	12:00:28,	0.036
33,	13 Oct,	12:10:28,	0.004
34,	13 Oct,	12:20:28,	0.007
35,	13 Oct,	12:30:28,	0.003
36,	13 Oct,	12:40:28,	0.001
37,	13 Oct,	12:50:28,	0.000
38,	13 Oct,	13:00:28,	0.133
39,	13 Oct,	13:10:28,	0.061
40,	13 Oct,	13:20:28,	0.000
41,	13 Oct,	13:30:28,	0.250
42,	13 Oct,	13:40:28,	0.112
43,	13 Oct,	13:50:28,	0.125
44,	13 Oct,	14:00:28,	0.315
45,	13 Oct,	14:10:28,	0.000
46,	13 Oct,	14:20:28,	0.171
47,	13 Oct,	14:30:28,	0.009
48,	13 Oct,	14:40:28,	0.008
49,	13 Oct,	14:50:28,	0.037
50,	13 Oct,	15:00:28,	0.002
51,	13 Oct,	15:10:28,	0.041
52,	13 Oct,	15:20:28,	0.000
53,	13 Oct,	15:30:28,	0.000
54,	13 Oct,	15:40:28,	0.000
55,	13 Oct,	15:50:28,	0.000

56,	13 Oct,	16:00:28,	0.000
57,	13 Oct,	16:10:28,	0.000
58,	13 Oct,	16:20:28,	0.000
59,	13 Oct,	16:30:28,	0.001
60,	13 Oct,	16:40:28,	0.000
61,	13 Oct,	16:50:28,	0.000
62,	13 Oct,	17:00:28,	0.000
63,	13 Oct,	17:10:28,	0.000
64,	13 Oct,	17:20:28,	0.000
65,	13 Oct,	17:30:28,	0.000
66,	13 Oct,	17:40:28,	0.000
67,	13 Oct,	17:50:28,	0.001
68,	13 Oct,	18:00:28,	0.000
69,	13 Oct,	18:10:28,	0.000
70,	13 Oct,	18:20:28,	0.000
71,	13 Oct,	18:30:28,	0.001

6

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 21
Number of logged points: 69
Start time and date: 06:48:53 14-Oct
Elapsed time: 11:30:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.277 mg/m³
Time at maximum: 06:51:09 Oct 14
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 06:48:53 Oct 14
Overall Avg Conc: 0.000 mg/m³
Logged Data:

7

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	14 Oct,	06:58:53,	0.021
2,	14 Oct,	07:08:53,	0.000
3,	14 Oct,	07:18:53,	0.000
4,	14 Oct,	07:28:53,	0.000
5,	14 Oct,	07:38:53,	0.000
6,	14 Oct,	07:48:53,	0.000
7,	14 Oct,	07:58:53,	0.000
8,	14 Oct,	08:08:53,	0.000
9,	14 Oct,	08:18:53,	0.000
10,	14 Oct,	08:28:53,	0.000
11,	14 Oct,	08:38:53,	0.000
12,	14 Oct,	08:48:53,	0.000
13,	14 Oct,	08:58:53,	0.000
14,	14 Oct,	09:08:53,	0.000
15,	14 Oct,	09:18:53,	0.000
16,	14 Oct,	09:28:53,	0.000
17,	14 Oct,	09:38:53,	0.000
18,	14 Oct,	09:48:53,	0.000
19,	14 Oct,	09:58:53,	0.000
20,	14 Oct,	10:08:53,	0.000
21,	14 Oct,	10:18:53,	0.000
22,	14 Oct,	10:28:53,	0.000
23,	14 Oct,	10:38:53,	0.000
24,	14 Oct,	10:48:53,	0.000
25,	14 Oct,	10:58:53,	0.000
26,	14 Oct,	11:08:53,	0.000
27,	14 Oct,	11:18:53,	0.000
28,	14 Oct,	11:28:53,	0.000
29,	14 Oct,	11:38:53,	0.000
30,	14 Oct,	11:48:53,	0.000
31,	14 Oct,	11:58:53,	0.000
32,	14 Oct,	12:08:53,	0.000
33,	14 Oct,	12:18:53,	0.000
34,	14 Oct,	12:28:53,	0.000
35,	14 Oct,	12:38:53,	0.000
36,	14 Oct,	12:48:53,	0.000
37,	14 Oct,	12:58:53,	0.003
38,	14 Oct,	13:08:53,	0.000
39,	14 Oct,	13:18:53,	0.000
40,	14 Oct,	13:28:53,	0.000
41,	14 Oct,	13:38:53,	0.000
42,	14 Oct,	13:48:53,	0.000
43,	14 Oct,	13:58:53,	0.000
44,	14 Oct,	14:08:53,	0.001
45,	14 Oct,	14:18:53,	0.000
46,	14 Oct,	14:28:53,	0.000
47,	14 Oct,	14:38:53,	0.001
48,	14 Oct,	14:48:53,	0.000
49,	14 Oct,	14:58:53,	0.000
50,	14 Oct,	15:08:53,	0.000
51,	14 Oct,	15:18:53,	0.000
52,	14 Oct,	15:28:53,	0.000
53,	14 Oct,	15:38:53,	0.000
54,	14 Oct,	15:48:53,	0.000
55,	14 Oct,	15:58:53,	0.000

56,	14 Oct,	16:09:18,	0.000
57,	14 Oct,	16:19:18,	0.000
58,	14 Oct,	16:29:18,	0.000
59,	14 Oct,	16:39:18,	0.000
60,	14 Oct,	16:49:18,	0.000
61,	14 Oct,	16:59:18,	0.000
62,	14 Oct,	17:09:18,	0.000
63,	14 Oct,	17:19:18,	0.000
64,	14 Oct,	17:29:18,	0.000
65,	14 Oct,	17:39:18,	0.000
66,	14 Oct,	17:49:18,	0.000
67,	14 Oct,	17:59:18,	0.001
68,	14 Oct,	18:09:18,	0.000
69,	14 Oct,	18:19:18,	0.000

3

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 23
Number of logged points: 69
Start time and date: 06:49:18 14-Oct
Elapsed time: 11:30:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.455 mg/m³
Time at maximum: 13:49:46 Oct 14
Max STEL Concentration: 0.021 mg/m³
Time at max STEL: 06:51:48 Oct 14
Overall Avg Conc: 0.000 mg/m³
Logged Data:

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Point	Date	Time	Avg.(mg/m³)
1	14 Oct	06:59:18	0.035
2	14 Oct	07:09:18	0.000
3	14 Oct	07:19:18	0.000
4	14 Oct	07:29:18	0.000
5	14 Oct	07:39:18	0.000
6	14 Oct	07:49:18	0.000
7	14 Oct	07:59:18	0.000
8	14 Oct	08:09:18	0.000
9	14 Oct	08:19:18	0.000
10	14 Oct	08:29:18	0.000
11	14 Oct	08:39:18	0.000
12	14 Oct	08:49:18	0.000
13	14 Oct	08:59:18	0.000
14	14 Oct	09:09:18	0.000
15	14 Oct	09:19:18	0.000
16	14 Oct	09:29:18	0.000
17	14 Oct	09:39:18	0.000
18	14 Oct	09:49:18	0.000
19	14 Oct	09:59:18	0.000
20	14 Oct	10:09:18	0.000
21	14 Oct	10:19:18	0.000
22	14 Oct	10:29:18	0.000
23	14 Oct	10:39:18	0.000
24	14 Oct	10:49:18	0.000
25	14 Oct	10:59:18	0.000
26	14 Oct	11:09:18	0.000
27	14 Oct	11:19:18	0.000
28	14 Oct	11:29:18	0.000
29	14 Oct	11:39:18	0.000
30	14 Oct	11:49:18	0.000
31	14 Oct	11:59:18	0.000
32	14 Oct	12:09:18	0.000
33	14 Oct	12:19:18	0.000
34	14 Oct	12:29:18	0.000
35	14 Oct	12:39:18	0.000
36	14 Oct	12:49:18	0.000
37	14 Oct	12:59:18	0.000
38	14 Oct	13:09:18	0.000
39	14 Oct	13:19:18	0.000
40	14 Oct	13:29:18	0.002
41	14 Oct	13:39:18	0.023
42	14 Oct	13:49:18	0.001
43	14 Oct	13:59:18	0.027
44	14 Oct	14:09:18	0.002
45	14 Oct	14:19:18	0.009
46	14 Oct	14:29:18	0.000
47	14 Oct	14:39:18	0.001
48	14 Oct	14:49:18	0.004
49	14 Oct	14:59:18	0.001
50	14 Oct	15:09:18	0.000
51	14 Oct	15:19:18	0.002
52	14 Oct	15:29:18	0.000
53	14 Oct	15:39:18	0.000
54	14 Oct	15:49:18	0.000
55	14 Oct	15:59:18	0.000

56,	14 Oct,	16:08:53,	0.000
57,	14 Oct,	16:18:53,	0.000
58,	14 Oct,	16:28:53,	0.000
59,	14 Oct,	16:38:53,	0.000
60,	14 Oct,	16:48:53,	0.000
61,	14 Oct,	16:58:53,	0.000
62,	14 Oct,	17:08:53,	0.000
63,	14 Oct,	17:18:53,	0.000
64,	14 Oct,	17:28:53,	0.000
65,	14 Oct,	17:38:53,	0.000
66,	14 Oct,	17:48:53,	0.000
67,	14 Oct,	17:58:53,	0.000
68,	14 Oct,	18:08:53,	0.000
69,	14 Oct,	18:18:53,	0.000

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 22
Number of logged points: 34
Start time and date: 06:44:02 16-Oct
Elapsed time: 05:40:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.163 mg/m³
Time at maximum: 12:05:55 Oct 16
Max STEL Concentration: 0.010 mg/m³
Time at max STEL: 12:06:02 Oct 16
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	16 Oct,	06:54:02,	0.012
2,	16 Oct,	07:04:02,	0.000
3,	16 Oct,	07:14:02,	0.000
4,	16 Oct,	07:24:02,	0.000
5,	16 Oct,	07:34:02,	0.000
6,	16 Oct,	07:44:02,	0.000
7,	16 Oct,	07:54:02,	0.000
8,	16 Oct,	08:04:02,	0.000
9,	16 Oct,	08:14:02,	0.000
10,	16 Oct,	08:24:02,	0.000
11,	16 Oct,	08:34:02,	0.000
12,	16 Oct,	08:44:02,	0.000
13,	16 Oct,	08:54:02,	0.000
14,	16 Oct,	09:04:02,	0.000
15,	16 Oct,	09:14:02,	0.000
16,	16 Oct,	09:24:02,	0.000
17,	16 Oct,	09:34:02,	0.000
18,	16 Oct,	09:44:02,	0.000
19,	16 Oct,	09:54:02,	0.000
20,	16 Oct,	10:04:02,	0.000
21,	16 Oct,	10:14:02,	0.000
22,	16 Oct,	10:24:02,	0.000
23,	16 Oct,	10:34:02,	0.000
24,	16 Oct,	10:44:02,	0.000
25,	16 Oct,	10:54:02,	0.000
26,	16 Oct,	11:04:02,	0.000
27,	16 Oct,	11:14:02,	0.000
28,	16 Oct,	11:24:02,	0.000
29,	16 Oct,	11:34:02,	0.000
30,	16 Oct,	11:44:02,	0.000
31,	16 Oct,	11:54:02,	0.001
32,	16 Oct,	12:04:02,	0.006
33,	16 Oct,	12:14:02,	0.011
34,	16 Oct,	12:24:02,	0.000

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 24
Number of logged points: 68
Start time and date: 06:43:58 16-Oct
Elapsed time: 11:20:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 406.600 mg/m³
Time at maximum: 16:13:08 Oct 16
Max STEL Concentration: 398.174 mg/m³
Time at max STEL: 16:26:59 Oct 16
Overall Avg Conc: 21.568 mg/m³
Logged Data:

12

Point	Date	Time	Avg.(mg/m³)
1	16 Oct	06:53:58	0.022
2	16 Oct	07:03:58	0.000
3	16 Oct	07:13:58	0.000
4	16 Oct	07:23:58	0.000
5	16 Oct	07:33:58	0.000
6	16 Oct	07:43:58	0.000
7	16 Oct	07:53:58	0.000
8	16 Oct	08:03:58	0.000
9	16 Oct	08:13:58	0.000
10	16 Oct	08:23:58	0.000
11	16 Oct	08:33:58	0.000
12	16 Oct	08:43:58	0.003
13	16 Oct	08:53:58	0.000
14	16 Oct	09:03:58	0.000
15	16 Oct	09:13:58	0.000
16	16 Oct	09:23:58	0.000
17	16 Oct	09:33:58	0.001
18	16 Oct	09:43:58	0.000
19	16 Oct	09:53:58	0.000
20	16 Oct	10:03:58	0.000
21	16 Oct	10:13:58	0.000
22	16 Oct	10:23:58	0.000
23	16 Oct	10:33:58	0.000
24	16 Oct	10:43:58	0.000
25	16 Oct	10:53:58	0.000
26	16 Oct	11:03:58	0.000
27	16 Oct	11:13:58	0.000
28	16 Oct	11:23:58	0.000
29	16 Oct	11:33:58	0.000
30	16 Oct	11:43:58	0.352 *
31	16 Oct	11:53:58	0.086 *
32	16 Oct	12:03:58	0.385 *
33	16 Oct	12:13:58	0.001
34	16 Oct	12:23:58	0.000
35	16 Oct	12:33:58	3.209 *
36	16 Oct	12:43:58	2.960 *
37	16 Oct	12:53:58	0.000
38	16 Oct	13:03:58	0.178 *
39	16 Oct	13:13:58	0.025
40	16 Oct	13:23:58	0.010
41	16 Oct	13:33:58	0.019
42	16 Oct	13:43:58	0.026
43	16 Oct	13:53:58	0.035
44	16 Oct	14:03:58	0.046
45	16 Oct	14:13:58	0.651 *
46	16 Oct	14:23:58	5.060 *
47	16 Oct	14:33:58	4.950 *
48	16 Oct	14:43:58	7.640 *
49	16 Oct	14:53:58	11.300 *
50	16 Oct	15:03:58	11.570 *
51	16 Oct	15:13:58	11.890 *
52	16 Oct	15:23:58	12.330 *
53	16 Oct	15:33:58	13.700 *
54	16 Oct	15:43:58	22.360 *
55	16 Oct	15:53:58	44.800 *

```
56, 16 Oct, 16:03:58,120.700 *
57, 16 Oct, 16:13:58,237.500 *
58, 16 Oct, 16:23:58,396.300 *
59, 16 Oct, 16:33:58,391.300 *
60, 16 Oct, 16:43:58,120.500 *
61, 16 Oct, 16:53:58,  6.930 *
62, 16 Oct, 17:03:58,  8.250 *
63, 16 Oct, 17:13:58, 10.710 *
64, 16 Oct, 17:23:58,  7.070 *
65, 16 Oct, 17:33:58,  5.700 *
66, 16 Oct, 17:43:58,  6.280 *
67, 16 Oct, 17:53:58,  6.130 *
68, 16 Oct, 18:03:58,  6.630 *
```

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pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 22
Number of logged points: 68
Start time and date: 06:44:34 16-Oct
Elapsed time: 11:20:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 1.630 mg/m³
Time at maximum: 17:20:43 Oct 16
Max STEL Concentration: 1.448 mg/m³
Time at max STEL: 18:00:05 Oct 16
Overall Avg Conc: 0.215 mg/m³
Logged Data:

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Point	Date	Time	Avg.(mg/m³)
1	16 Oct	06:54:34	0.020
2	16 Oct	07:04:34	0.000
3	16 Oct	07:14:34	0.000
4	16 Oct	07:24:34	0.000
5	16 Oct	07:34:34	0.000
6	16 Oct	07:44:34	0.000
7	16 Oct	07:54:34	0.000
8	16 Oct	08:04:34	0.000
9	16 Oct	08:14:34	0.000
10	16 Oct	08:24:34	0.000
11	16 Oct	08:34:34	0.000
12	16 Oct	08:44:34	0.000
13	16 Oct	08:54:34	0.000
14	16 Oct	09:04:34	0.000
15	16 Oct	09:14:34	0.001
16	16 Oct	09:24:34	0.000
17	16 Oct	09:34:34	0.000
18	16 Oct	09:44:34	0.000
19	16 Oct	09:54:34	0.000
20	16 Oct	10:04:34	0.000
21	16 Oct	10:14:34	0.000
22	16 Oct	10:24:34	0.000
23	16 Oct	10:34:34	0.000
24	16 Oct	10:44:34	0.000
25	16 Oct	10:54:34	0.000
26	16 Oct	11:04:34	0.000
27	16 Oct	11:14:34	0.000
28	16 Oct	11:24:34	0.005
29	16 Oct	11:34:34	0.000
30	16 Oct	11:44:34	0.000
31	16 Oct	11:54:34	0.000
32	16 Oct	12:04:34	0.000
33	16 Oct	12:14:34	0.000
34	16 Oct	12:24:34	0.000
35	16 Oct	12:34:34	0.000
36	16 Oct	12:44:34	0.000
37	16 Oct	12:54:34	0.000
38	16 Oct	13:04:34	0.000
39	16 Oct	13:14:34	0.000
40	16 Oct	13:24:34	0.000
41	16 Oct	13:34:34	0.000
42	16 Oct	13:44:34	0.000
43	16 Oct	13:54:34	0.000
44	16 Oct	14:04:34	0.000
45	16 Oct	14:14:34	0.000
46	16 Oct	14:24:34	0.000
47	16 Oct	14:34:34	0.000
48	16 Oct	14:44:34	0.000
49	16 Oct	14:54:34	0.000
50	16 Oct	15:04:34	0.000
51	16 Oct	15:14:34	0.000
52	16 Oct	15:24:34	0.000
53	16 Oct	15:34:34	0.000
54	16 Oct	15:44:34	0.000
55	16 Oct	15:54:34	0.007

56,	16 Oct,	16:04:34,	0.001	
57,	16 Oct,	16:14:34,	0.381	*
58,	16 Oct,	16:24:34,	0.758	*
59,	16 Oct,	16:34:34,	0.965	*
60,	16 Oct,	16:44:34,	1.065	*
61,	16 Oct,	16:54:34,	1.196	*
62,	16 Oct,	17:04:34,	1.372	*
63,	16 Oct,	17:14:34,	1.329	*
64,	16 Oct,	17:24:34,	1.323	*
65,	16 Oct,	17:34:34,	1.256	*
66,	16 Oct,	17:44:34,	1.308	*
67,	16 Oct,	17:54:34,	1.397	*
68,	16 Oct,	18:04:34,	1.356	*

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 23
Number of logged points: 49
Start time and date: 06:46:08 17-Oct
Elapsed time: 08:10:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.000 mg/m³
Time at maximum: 06:46:08 Oct 17
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 06:46:08 Oct 17
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	17 Oct	06:56:08	0.002
2	17 Oct	07:06:08	0.000
3	17 Oct	07:16:08	0.000
4	17 Oct	07:26:08	0.000
5	17 Oct	07:36:08	0.000
6	17 Oct	07:46:08	0.000
7	17 Oct	07:56:08	0.000
8	17 Oct	08:06:08	0.000
9	17 Oct	08:16:08	0.000
10	17 Oct	08:26:08	0.000
11	17 Oct	08:36:08	0.000
12	17 Oct	08:46:08	0.000
13	17 Oct	08:56:08	0.000
14	17 Oct	09:06:08	0.000
15	17 Oct	09:16:08	0.000
16	17 Oct	09:26:08	0.000
17	17 Oct	09:36:08	0.000
18	17 Oct	09:46:08	0.000
19	17 Oct	09:56:08	0.000
20	17 Oct	10:06:08	0.000
21	17 Oct	10:16:08	0.000
22	17 Oct	10:26:08	0.000
23	17 Oct	10:36:08	0.000
24	17 Oct	10:46:08	0.000
25	17 Oct	10:56:08	0.000
26	17 Oct	11:06:08	0.000
27	17 Oct	11:16:08	0.000
28	17 Oct	11:26:08	0.000
29	17 Oct	11:36:08	0.000
30	17 Oct	11:46:08	0.000
31	17 Oct	11:56:08	0.000
32	17 Oct	12:06:08	0.000
33	17 Oct	12:16:08	0.000
34	17 Oct	12:26:08	0.000
35	17 Oct	12:36:08	0.000
36	17 Oct	12:46:08	0.000
37	17 Oct	12:56:08	0.000
38	17 Oct	13:06:08	0.000
39	17 Oct	13:16:08	0.000
40	17 Oct	13:26:08	0.000
41	17 Oct	13:36:08	0.000
42	17 Oct	13:46:08	0.000
43	17 Oct	13:56:08	0.000
44	17 Oct	14:06:08	0.000
45	17 Oct	14:16:08	0.000
46	17 Oct	14:26:08	0.000
47	17 Oct	14:36:08	0.000
48	17 Oct	14:46:08	0.000
49	17 Oct	14:56:08	0.000

16

17

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 25
Number of logged points: 48
Start time and date: 06:46:39 17-Oct
Elapsed time: 08:00:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.221 mg/m³
Time at maximum: 06:47:48 Oct 17
Max STEL Concentration: 0.020 mg/m³
Time at max STEL: 06:50:09 Oct 17
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	17 Oct	06:56:39	0.031
2	17 Oct	07:06:39	0.000
3	17 Oct	07:16:39	0.000
4	17 Oct	07:26:39	0.000
5	17 Oct	07:36:39	0.000
6	17 Oct	07:46:39	0.000
7	17 Oct	07:56:39	0.000
8	17 Oct	08:06:39	0.000
9	17 Oct	08:16:39	0.000
10	17 Oct	08:26:39	0.001
11	17 Oct	08:36:39	0.001
12	17 Oct	08:46:39	0.000
13	17 Oct	08:56:39	0.001
14	17 Oct	09:06:39	0.001
15	17 Oct	09:16:39	0.000
16	17 Oct	09:26:39	0.000
17	17 Oct	09:36:39	0.000
18	17 Oct	09:46:39	0.000
19	17 Oct	09:56:39	0.000
20	17 Oct	10:06:39	0.000
21	17 Oct	10:16:39	0.000
22	17 Oct	10:26:39	0.000
23	17 Oct	10:36:39	0.000
24	17 Oct	10:46:39	0.000
25	17 Oct	10:56:39	0.000
26	17 Oct	11:06:39	0.000
27	17 Oct	11:16:39	0.000
28	17 Oct	11:26:39	0.000
29	17 Oct	11:36:39	0.000
30	17 Oct	11:46:39	0.000
31	17 Oct	11:56:39	0.000
32	17 Oct	12:06:39	0.000
33	17 Oct	12:16:39	0.000
34	17 Oct	12:26:39	0.000
35	17 Oct	12:36:39	0.000
36	17 Oct	12:46:39	0.000
37	17 Oct	12:56:39	0.000
38	17 Oct	13:06:39	0.000
39	17 Oct	13:16:39	0.001
40	17 Oct	13:26:39	0.000
41	17 Oct	13:36:39	0.000
42	17 Oct	13:46:39	0.000
43	17 Oct	13:56:39	0.003
44	17 Oct	14:06:39	0.000
45	17 Oct	14:16:39	0.007
46	17 Oct	14:26:39	0.000
47	17 Oct	14:36:39	0.003
48	17 Oct	14:46:39	0.011

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 23
Number of logged points: 49
Start time and date: 06:47:16 17-Oct
Elapsed time: 08:10:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.485 mg/m³
Time at maximum: 06:48:28 Oct 17
Max STEL Concentration: 0.022 mg/m³
Time at max STEL: 06:49:16 Oct 17
Overall Avg Conc: 0.000 mg/m³
Logged Data:

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Point,	Date	Time	Avg.(mg/m³)
1,	17 Oct,	06:57:16,	0.035
2,	17 Oct,	07:07:16,	0.000
3,	17 Oct,	07:17:16,	0.000
4,	17 Oct,	07:27:16,	0.000
5,	17 Oct,	07:37:16,	0.000
6,	17 Oct,	07:47:16,	0.000
7,	17 Oct,	07:57:16,	0.001
8,	17 Oct,	08:07:16,	0.002
9,	17 Oct,	08:17:16,	0.000
10,	17 Oct,	08:27:16,	0.001
11,	17 Oct,	08:37:16,	0.000
12,	17 Oct,	08:47:16,	0.000
13,	17 Oct,	08:57:16,	0.001
14,	17 Oct,	09:07:16,	0.001
15,	17 Oct,	09:17:16,	0.000
16,	17 Oct,	09:27:16,	0.000
17,	17 Oct,	09:37:16,	0.000
18,	17 Oct,	09:47:16,	0.001
19,	17 Oct,	09:57:16,	0.000
20,	17 Oct,	10:07:16,	0.000
21,	17 Oct,	10:17:16,	0.000
22,	17 Oct,	10:27:16,	0.000
23,	17 Oct,	10:37:16,	0.000
24,	17 Oct,	10:47:16,	0.000
25,	17 Oct,	10:57:16,	0.000
26,	17 Oct,	11:07:16,	0.000
27,	17 Oct,	11:17:16,	0.014
28,	17 Oct,	11:27:16,	0.000
29,	17 Oct,	11:37:16,	0.000
30,	17 Oct,	11:47:16,	0.000
31,	17 Oct,	11:57:16,	0.000
32,	17 Oct,	12:07:16,	0.000
33,	17 Oct,	12:17:16,	0.000
34,	17 Oct,	12:27:16,	0.000
35,	17 Oct,	12:37:16,	0.000
36,	17 Oct,	12:47:16,	0.000
37,	17 Oct,	12:57:16,	0.000
38,	17 Oct,	13:07:16,	0.000
39,	17 Oct,	13:17:16,	0.001
40,	17 Oct,	13:27:16,	0.000
41,	17 Oct,	13:37:16,	0.000
42,	17 Oct,	13:47:16,	0.000
43,	17 Oct,	13:57:16,	0.000
44,	17 Oct,	14:07:16,	0.000
45,	17 Oct,	14:17:16,	0.000
46,	17 Oct,	14:27:16,	0.000
47,	17 Oct,	14:37:16,	0.000
48,	17 Oct,	14:47:16,	0.000
49,	17 Oct,	14:57:16,	0.000

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 24
Number of logged points: 59
Start time and date: 06:04:10 18-Oct
Elapsed time: 09:50:00
gging period (sec): 600
ibration Factor (%): 100
Max Display Concentration: 1.310 mg/m³
Time at maximum: 06:45:51 Oct 18
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 06:04:10 Oct 18
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	18 Oct,	06:14:10,	0.000
2,	18 Oct,	06:24:10,	0.000
3,	18 Oct,	06:34:10,	0.000
4,	18 Oct,	06:44:10,	0.000
5,	18 Oct,	06:54:10,	0.074
6,	18 Oct,	07:04:10,	0.000
7,	18 Oct,	07:14:10,	0.000
8,	18 Oct,	07:24:10,	0.000
9,	18 Oct,	07:34:10,	0.000
10,	18 Oct,	07:44:10,	0.000
11,	18 Oct,	07:54:10,	0.000
12,	18 Oct,	08:04:10,	0.000
13,	18 Oct,	08:14:10,	0.000
14,	18 Oct,	08:24:10,	0.000
15,	18 Oct,	08:34:10,	0.000
16,	18 Oct,	08:44:10,	0.000
17,	18 Oct,	08:54:10,	0.000
18,	18 Oct,	09:04:10,	0.000
19,	18 Oct,	09:14:10,	0.000
20,	18 Oct,	09:24:10,	0.000
21,	18 Oct,	09:34:10,	0.000
22,	18 Oct,	09:44:10,	0.000
23,	18 Oct,	09:54:10,	0.000
24,	18 Oct,	10:04:10,	0.000
25,	18 Oct,	10:14:10,	0.000
26,	18 Oct,	10:24:10,	0.000
27,	18 Oct,	10:34:10,	0.000
28,	18 Oct,	10:44:10,	0.000
29,	18 Oct,	10:54:10,	0.000
30,	18 Oct,	11:04:10,	0.000
31,	18 Oct,	11:14:10,	0.000
32,	18 Oct,	11:24:10,	0.000
33,	18 Oct,	11:34:10,	0.000
34,	18 Oct,	11:44:10,	0.000
35,	18 Oct,	11:54:10,	0.000
36,	18 Oct,	12:04:10,	0.000
37,	18 Oct,	12:14:10,	0.000
38,	18 Oct,	12:24:10,	0.000
39,	18 Oct,	12:34:10,	0.000
40,	18 Oct,	12:44:10,	0.000
41,	18 Oct,	12:54:10,	0.000
42,	18 Oct,	13:04:10,	0.000
43,	18 Oct,	13:14:10,	0.000
44,	18 Oct,	13:24:10,	0.000
45,	18 Oct,	13:34:10,	0.000
46,	18 Oct,	13:44:10,	0.000
47,	18 Oct,	13:54:10,	0.000
48,	18 Oct,	14:04:10,	0.000
49,	18 Oct,	14:14:10,	0.000
50,	18 Oct,	14:24:10,	0.000
51,	18 Oct,	14:34:10,	0.000
52,	18 Oct,	14:44:10,	0.000
53,	18 Oct,	14:54:10,	0.000
54,	18 Oct,	15:04:10,	0.000
55,	18 Oct,	15:14:10,	0.000

56, 18 Oct, 15:24:10, 0.000
57, 18 Oct, 15:34:10, 0.000
58, 18 Oct, 15:44:10, 0.000
59, 18 Oct, 15:54:10, 0.027

pDR-1000
User ID: Tantara_9191_Downwind2
Tag Number: 26
Number of logged points: 58
Start time and date: 06:11:16 18-Oct
Elapsed time: 09:40:00
gging period (sec): 600
Aibration Factor (%): 100
Max Display Concentration: 3.705 mg/m³
Time at maximum: 15:47:40 Oct 18
Max STEL Concentration: 0.129 mg/m³
Time at max STEL: 15:58:47 Oct 18
Overall Avg Conc: 0.003 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	18 Oct,	06:21:16,	0.004
2,	18 Oct,	06:31:16,	0.000
3,	18 Oct,	06:41:16,	0.000
4,	18 Oct,	06:51:16,	0.000
5,	18 Oct,	07:01:16,	0.000
6,	18 Oct,	07:11:16,	0.000
7,	18 Oct,	07:21:16,	0.000
8,	18 Oct,	07:31:16,	0.005
9,	18 Oct,	07:41:16,	0.000
10,	18 Oct,	07:51:16,	0.000
11,	18 Oct,	08:01:16,	0.000
12,	18 Oct,	08:11:16,	0.000
13,	18 Oct,	08:21:16,	0.000
14,	18 Oct,	08:31:16,	0.000
15,	18 Oct,	08:41:16,	0.000
16,	18 Oct,	08:51:16,	0.000
17,	18 Oct,	09:01:16,	0.000
18,	18 Oct,	09:11:16,	0.000
19,	18 Oct,	09:21:16,	0.000
20,	18 Oct,	09:31:16,	0.000
21,	18 Oct,	09:41:16,	0.000
22,	18 Oct,	09:51:16,	0.000
23,	18 Oct,	10:01:16,	0.000
24,	18 Oct,	10:11:16,	0.000
25,	18 Oct,	10:21:16,	0.000
26,	18 Oct,	10:31:16,	0.000
27,	18 Oct,	10:41:16,	0.000
28,	18 Oct,	10:51:16,	0.000
29,	18 Oct,	11:01:16,	0.000
30,	18 Oct,	11:11:16,	0.000
31,	18 Oct,	11:21:16,	0.003
32,	18 Oct,	11:31:16,	0.010
33,	18 Oct,	11:41:16,	0.000
34,	18 Oct,	11:51:16,	0.000
35,	18 Oct,	12:01:16,	0.000
36,	18 Oct,	12:11:16,	0.000
37,	18 Oct,	12:21:16,	0.000
38,	18 Oct,	12:31:16,	0.000
39,	18 Oct,	12:41:16,	0.000
40,	18 Oct,	12:51:16,	0.000
41,	18 Oct,	13:01:16,	0.000
42,	18 Oct,	13:11:16,	0.000
43,	18 Oct,	13:21:16,	0.000
44,	18 Oct,	13:31:16,	0.000
45,	18 Oct,	13:41:16,	0.000
46,	18 Oct,	13:51:16,	0.000
47,	18 Oct,	14:01:16,	0.000
48,	18 Oct,	14:11:16,	0.000
49,	18 Oct,	14:21:16,	0.000
50,	18 Oct,	14:31:16,	0.000
51,	18 Oct,	14:41:16,	0.000
52,	18 Oct,	14:51:16,	0.000
53,	18 Oct,	15:01:16,	0.000
54,	18 Oct,	15:11:16,	0.000
55,	18 Oct,	15:21:16,	0.000

21

56, 18 Oct, 15:31:16, 0.000
57, 18 Oct, 15:41:16, 0.000
58, 18 Oct, 15:51:16, 0.186

pDR-1000
User ID: Tantara_9189_Downwind3
Tag Number: 26
Number of logged points: 58
Start time and date: 06:11:16 18-Oct
Elapsed time: 09:40:00
gging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 3.705 mg/m³
Time at maximum: 15:47:40 Oct 18
Max STEL Concentration: 0.129 mg/m³
Time at max STEL: 15:58:47 Oct 18
Overall Avg Conc: 0.003 mg/m³
Logged Data:

23

Point	Date	Time	Avg.(mg/m³)
1	18 Oct	06:21:16	0.004
2	18 Oct	06:31:16	0.000
3	18 Oct	06:41:16	0.000
4	18 Oct	06:51:16	0.000
5	18 Oct	07:01:16	0.000
6	18 Oct	07:11:16	0.000
7	18 Oct	07:21:16	0.000
8	18 Oct	07:31:16	0.005
9	18 Oct	07:41:16	0.000
10	18 Oct	07:51:16	0.000
11	18 Oct	08:01:16	0.000
12	18 Oct	08:11:16	0.000
13	18 Oct	08:21:16	0.000
14	18 Oct	08:31:16	0.000
15	18 Oct	08:41:16	0.000
16	18 Oct	08:51:16	0.000
17	18 Oct	09:01:16	0.000
18	18 Oct	09:11:16	0.000
19	18 Oct	09:21:16	0.000
20	18 Oct	09:31:16	0.000
21	18 Oct	09:41:16	0.000
22	18 Oct	09:51:16	0.000
23	18 Oct	10:01:16	0.000
24	18 Oct	10:11:16	0.000
25	18 Oct	10:21:16	0.000
26	18 Oct	10:31:16	0.000
27	18 Oct	10:41:16	0.000
28	18 Oct	10:51:16	0.000
29	18 Oct	11:01:16	0.000
30	18 Oct	11:11:16	0.000
31	18 Oct	11:21:16	0.003
32	18 Oct	11:31:16	0.010
33	18 Oct	11:41:16	0.000
34	18 Oct	11:51:16	0.000
35	18 Oct	12:01:16	0.000
36	18 Oct	12:11:16	0.000
37	18 Oct	12:21:16	0.000
38	18 Oct	12:31:16	0.000
39	18 Oct	12:41:16	0.000
40	18 Oct	12:51:16	0.000
41	18 Oct	13:01:16	0.000
42	18 Oct	13:11:16	0.000
43	18 Oct	13:21:16	0.000
44	18 Oct	13:31:16	0.000
45	18 Oct	13:41:16	0.000
46	18 Oct	13:51:16	0.000
47	18 Oct	14:01:16	0.000
48	18 Oct	14:11:16	0.000
49	18 Oct	14:21:16	0.000
50	18 Oct	14:31:16	0.000
51	18 Oct	14:41:16	0.000
52	18 Oct	14:51:16	0.000
53	18 Oct	15:01:16	0.000
54	18 Oct	15:11:16	0.000
55	18 Oct	15:21:16	0.000

56, 18 Oct, 15:31:16, 0.000
57, 18 Oct, 15:41:16, 0.000
58, 18 Oct, 15:51:16, 0.186

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3 #3
Tag Number: 22
Number of logged points: 68
Start time and date: 06:44:34 16-Oct
Elapsed time: 11:20:00
gging period (sec): 600
alibration Factor (%): 100
Max Display Concentration: 1.630 mg/m³
Time at maximum: 17:20:43 Oct 16
Max STEL Concentration: 1.448 mg/m³
Time at max STEL: 18:00:05 Oct 16
Overall Avg Conc: 0.215 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	16 Oct,	06:54:34,	0.020
2,	16 Oct,	07:04:34,	0.000
3,	16 Oct,	07:14:34,	0.000
4,	16 Oct,	07:24:34,	0.000
5,	16 Oct,	07:34:34,	0.000
6,	16 Oct,	07:44:34,	0.000
7,	16 Oct,	07:54:34,	0.000
8,	16 Oct,	08:04:34,	0.000
9,	16 Oct,	08:14:34,	0.000
10,	16 Oct,	08:24:34,	0.000
11,	16 Oct,	08:34:34,	0.000
12,	16 Oct,	08:44:34,	0.000
13,	16 Oct,	08:54:34,	0.000
14,	16 Oct,	09:04:34,	0.000
15,	16 Oct,	09:14:34,	0.001
16,	16 Oct,	09:24:34,	0.000
17,	16 Oct,	09:34:34,	0.000
18,	16 Oct,	09:44:34,	0.000
19,	16 Oct,	09:54:34,	0.000
20,	16 Oct,	10:04:34,	0.000
21,	16 Oct,	10:14:34,	0.000
22,	16 Oct,	10:24:34,	0.000
23,	16 Oct,	10:34:34,	0.000
24,	16 Oct,	10:44:34,	0.000
25,	16 Oct,	10:54:34,	0.000
26,	16 Oct,	11:04:34,	0.000
27,	16 Oct,	11:14:34,	0.000
28,	16 Oct,	11:24:34,	0.005
29,	16 Oct,	11:34:34,	0.000
30,	16 Oct,	11:44:34,	0.000
31,	16 Oct,	11:54:34,	0.000
32,	16 Oct,	12:04:34,	0.000
33,	16 Oct,	12:14:34,	0.000
34,	16 Oct,	12:24:34,	0.000
35,	16 Oct,	12:34:34,	0.000
36,	16 Oct,	12:44:34,	0.000
37,	16 Oct,	12:54:34,	0.000
38,	16 Oct,	13:04:34,	0.000
39,	16 Oct,	13:14:34,	0.000
40,	16 Oct,	13:24:34,	0.000
41,	16 Oct,	13:34:34,	0.000
42,	16 Oct,	13:44:34,	0.000
43,	16 Oct,	13:54:34,	0.000
44,	16 Oct,	14:04:34,	0.000
45,	16 Oct,	14:14:34,	0.000
46,	16 Oct,	14:24:34,	0.000
47,	16 Oct,	14:34:34,	0.000
48,	16 Oct,	14:44:34,	0.000
49,	16 Oct,	14:54:34,	0.000
50,	16 Oct,	15:04:34,	0.000
51,	16 Oct,	15:14:34,	0.000
52,	16 Oct,	15:24:34,	0.000
53,	16 Oct,	15:34:34,	0.000
54,	16 Oct,	15:44:34,	0.000
55,	16 Oct,	15:54:34,	0.007

56,	16 Oct,	16:04:34,	0.001	
57,	16 Oct,	16:14:34,	0.381	*
58,	16 Oct,	16:24:34,	0.758	*
59,	16 Oct,	16:34:34,	0.965	*
60,	16 Oct,	16:44:34,	1.065	*
61,	16 Oct,	16:54:34,	1.196	*
62,	16 Oct,	17:04:34,	1.372	*
63,	16 Oct,	17:14:34,	1.329	*
64,	16 Oct,	17:24:34,	1.323	*
65,	16 Oct,	17:34:34,	1.256	*
66,	16 Oct,	17:44:34,	1.308	*
67,	16 Oct,	17:54:34,	1.397	*
68,	16 Oct,	18:04:34,	1.356	*

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2 #2
Tag Number: 24
Number of logged points: 68
Start time and date: 06:43:58 16-Oct
Elapsed time: 11:20:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 406.600 mg/m³
Time at maximum: 16:13:08 Oct 16
Max STEL Concentration: 398.174 mg/m³
Time at max STEL: 16:26:59 Oct 16
Overall Avg Conc: 21.568 mg/m³
Logged Data:

Point,	Date	Time	Avg.(mg/m³)
1,	16 Oct,	06:53:58,	0.022
2,	16 Oct,	07:03:58,	0.000
3,	16 Oct,	07:13:58,	0.000
4,	16 Oct,	07:23:58,	0.000
5,	16 Oct,	07:33:58,	0.000
6,	16 Oct,	07:43:58,	0.000
7,	16 Oct,	07:53:58,	0.000
8,	16 Oct,	08:03:58,	0.000
9,	16 Oct,	08:13:58,	0.000
10,	16 Oct,	08:23:58,	0.000
11,	16 Oct,	08:33:58,	0.000
12,	16 Oct,	08:43:58,	0.003
13,	16 Oct,	08:53:58,	0.000
14,	16 Oct,	09:03:58,	0.000
15,	16 Oct,	09:13:58,	0.000
16,	16 Oct,	09:23:58,	0.000
17,	16 Oct,	09:33:58,	0.001
18,	16 Oct,	09:43:58,	0.000
19,	16 Oct,	09:53:58,	0.000
20,	16 Oct,	10:03:58,	0.000
21,	16 Oct,	10:13:58,	0.000
22,	16 Oct,	10:23:58,	0.000
23,	16 Oct,	10:33:58,	0.000
24,	16 Oct,	10:43:58,	0.000
25,	16 Oct,	10:53:58,	0.000
26,	16 Oct,	11:03:58,	0.000
27,	16 Oct,	11:13:58,	0.000
28,	16 Oct,	11:23:58,	0.000
29,	16 Oct,	11:33:58,	0.000
30,	16 Oct,	11:43:58,	0.352 *
31,	16 Oct,	11:53:58,	0.086 *
32,	16 Oct,	12:03:58,	0.385 *
33,	16 Oct,	12:13:58,	0.001
34,	16 Oct,	12:23:58,	0.000
35,	16 Oct,	12:33:58,	3.209 *
36,	16 Oct,	12:43:58,	2.960 *
37,	16 Oct,	12:53:58,	0.000
38,	16 Oct,	13:03:58,	0.178 *
39,	16 Oct,	13:13:58,	0.025
40,	16 Oct,	13:23:58,	0.010
41,	16 Oct,	13:33:58,	0.019
42,	16 Oct,	13:43:58,	0.026
43,	16 Oct,	13:53:58,	0.035
44,	16 Oct,	14:03:58,	0.046
45,	16 Oct,	14:13:58,	0.651 *
46,	16 Oct,	14:23:58,	5.060 *
47,	16 Oct,	14:33:58,	4.950 *
48,	16 Oct,	14:43:58,	7.640 *
49,	16 Oct,	14:53:58,	11.300 *
50,	16 Oct,	15:03:58,	11.570 *
51,	16 Oct,	15:13:58,	11.890 *
52,	16 Oct,	15:23:58,	12.330 *
53,	16 Oct,	15:33:58,	13.700 *
54,	16 Oct,	15:43:58,	22.360 *
55,	16 Oct,	15:53:58,	44.800 *

```
56, 16 Oct, 16:03:58,120.700 *
57, 16 Oct, 16:13:58,237.500 *
58, 16 Oct, 16:23:58,396.300 *
59, 16 Oct, 16:33:58,391.300 *
60, 16 Oct, 16:43:58,120.500 *
61, 16 Oct, 16:53:58,  6.930 *
62, 16 Oct, 17:03:58,  8.250 *
63, 16 Oct, 17:13:58, 10.710 *
64, 16 Oct, 17:23:58,  7.070 *
65, 16 Oct, 17:33:58,  5.700 *
66, 16 Oct, 17:43:58,  6.280 *
67, 16 Oct, 17:53:58,  6.130 *
68, 16 Oct, 18:03:58,  6.630 *
```

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 22
Number of logged points: 34
Start time and date: 06:44:02 16-Oct
Elapsed time: 05:40:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.163 mg/m³
Time at maximum: 12:05:55 Oct 16
Max STEL Concentration: 0.010 mg/m³
Time at max STEL: 12:06:02 Oct 16
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	16 Oct	06:54:02	0.012
2	16 Oct	07:04:02	0.000
3	16 Oct	07:14:02	0.000
4	16 Oct	07:24:02	0.000
5	16 Oct	07:34:02	0.000
6	16 Oct	07:44:02	0.000
7	16 Oct	07:54:02	0.000
8	16 Oct	08:04:02	0.000
9	16 Oct	08:14:02	0.000
10	16 Oct	08:24:02	0.000
11	16 Oct	08:34:02	0.000
12	16 Oct	08:44:02	0.000
13	16 Oct	08:54:02	0.000
14	16 Oct	09:04:02	0.000
15	16 Oct	09:14:02	0.000
16	16 Oct	09:24:02	0.000
17	16 Oct	09:34:02	0.000
18	16 Oct	09:44:02	0.000
19	16 Oct	09:54:02	0.000
20	16 Oct	10:04:02	0.000
21	16 Oct	10:14:02	0.000
22	16 Oct	10:24:02	0.000
23	16 Oct	10:34:02	0.000
24	16 Oct	10:44:02	0.000
25	16 Oct	10:54:02	0.000
26	16 Oct	11:04:02	0.000
27	16 Oct	11:14:02	0.000
28	16 Oct	11:24:02	0.000
29	16 Oct	11:34:02	0.000
30	16 Oct	11:44:02	0.000
31	16 Oct	11:54:02	0.001
32	16 Oct	12:04:02	0.006
33	16 Oct	12:14:02	0.011
34	16 Oct	12:24:02	0.000

TANTARA CORPORATION

October 26, 2003

Mr. Juraj Bajgar
Metcalf and Eddy
701 Edgewater Drive
Wakefield, MA 01880

Received 10/27/03 JB

Subject: **Pownal Tannery Superfund Site, Pownal, VT**
Subcontract # 3600100149, W/A # 150-RARA-01N9
EPA Response Action Contract No. 68-W6-0042

Re: **Perimeter Air Monitoring and Dust Control**
Report #6 for w/e October 25, 2003

Dear Mr. Bajgar:

Referencing Section 01130 Perimeter Air Monitoring and Dust Control Plan of the Contract Documents and our Perimeter Air Monitoring & Dust Control Plan dated August 20, 2003, TANTARA Corporation (TANTARA) submits this weekly report for the week ending October 25, 2003.

Sampling Procedures

Air monitoring was performed continuously during work activities. In general, the air monitoring stations were installed at 0630, 30 minutes before the start of work activities. On days with rain, the air monitoring stations were removed as not to damage the units. The air monitoring concluded 60 minutes after construction activities concluded. The locations of the air monitoring stations were consistent with the plan presented in the Perimeter Air Monitoring & Dust Control Plan. The station identification numbers and locations are summarized below.

Sample	Station ID	Location
Upwind Station	Tantara_3091_Upwind1	Southwest of Lagoon 5
Downwind Station	Tantara_9191_Downwind2	Northeast of Lagoon 2
Downwind Station	Tantara_9189_Downwind3	East of Lagoon 1

The air monitoring stations were mounted on a visibility posts and were installed approximately four (4) feet above the ground elevation. The locations were chosen to promote unrestricted air flow. The air monitoring date was obtained utilizing a MIE pDR-1000AN direct reading instrument. Measurements were conducted at one minute intervals and calculations and recordings were of a 10-minute time weighed average.

Calibration Procedures

All three (3) instruments were factory calibrated in accordance with manufactures recommendations. In addition, a field calibration was performed to zero the instrument. During the two (2) minute pre-run automatic zeroing sequence, the instrument registers its own optical

14 Fall River Avenue Rehoboth, Massachusetts 02769 voice (508) 336-9622 facsimile (508) 336-9624

background, stores that level in its memory, and then subtracts that background from all measured concentrations values.

Summary of Meteorological Data

Monday – October 20, 2003	**Morning**	**Afternoon**
Temperature	38.1 F	45.0 F
Relative Humidity	76.5 %	66.1 %
Wind Direction	Variable	Variable
Wind Speed	1 – 2 mph	1-2 mph
Weather Conditions	Cold & Clear	Clear

Tuesday – October 21, 2003	**Morning**	**Afternoon**
Temperature	53.4 F	58.0 F
Relative Humidity	63.8 %	83.6 %
Wind Direction	Variable	Variable
Wind Speed	4-5 mph	5 -7 mph
Weather Conditions	Cool & Damp	Light rain

Wednesday – October 22, 2003	**Morning**	**Afternoon**
Temperature	34.5 F	36.3 F
Relative Humidity	93 %	100 %
Wind Direction	variable	Variable
Wind Speed	3 – 5 mph	10 – 15 mph
Weather Conditions	Rain, ,Lt snow	Mod Rain/Snow

Thursday – October 23, 2003	**Morning**	**Afternoon**
Temperature	40.2 F	47.6 F
Relative Humidity	96.5 %	93.0 %
Wind Direction	Variable	Variable
Wind Speed	2 – 4 mph	5 – 10 mph
Weather Conditions	Rain/Snow Mix	Rain/Snow Mix

Friday – October 24, 2003	**Morning**	**Afternoon**
Temperature	37.6 F	46.5 F
Relative Humidity	67.2 %	53.0 %
Wind Direction	Variable	Variable
Wind Speed	4-5 mph	4-5mph
Weather Conditions	Brief snow shower	Cloudy

Saturday – October 25, 2003	**Morning**	**Afternoon**
Temperature	32.6 F	46.6 F
Relative Humidity	76.0 %	75.5 %
Wind Direction	Calm	Calm
Wind Speed	0 mph	0 mph
Weather Conditions	Cold	Overcast

Contaminant Levels

On Monday October 20, 2003 there were no exceedences of the 73 ug / m3 action level on the downwind stations. However, there were elevated readings on the upwind station in the afternoon. . On Tuesday October 21, 2003, the upwind station malfunctioned and the unit shut down in the morning. all collected data was lost. However, both downwind stations did not record elevated readings throughout the day. On Wednesday October 22, 2003 rain and snow trigged elevated readings in the upwind station; however no exceedences were recorded in both downwind stations. On Thursday, steady snow prohibited the installation of the air monitoring stations. On Friday October 24, 2003 and Saturday October 25, 2003, elevated readings were recorded in the upwind station. On Saturday, elevated reading was recorded in the downwind station #2 proximate to the backfilling operation. Dust relating to truck traffic and the backfilling of Lagoon 2 continues to be controlled by utilizing water on the access roads and in the lagoon.

Please find attached the data from the three (3) monitoring stations for the week.

Corrective Actions

TANTARA continues to apply water on the access roads and the Lagoon 2 Area to control dust.

I you should have any questions or desire any additional information, please do not hesitate to contact this office.

Sincerely,

Christopher Pereira
Project Manager

Encl. Data from pDR-1000

Cc. N. Thurber

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 25
Number of logged points: 74
Start time and date: 06:24:06 20-Oct
Elapsed time: 12:20:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 142.770 mg/m³
Time at maximum: 17:37:14 Oct 20
Max STEL Concentration: 8.259 mg/m³
Time at max STEL: 17:50:06 Oct 20
Overall Avg Conc: 0.190 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	20 Oct,	06:34:06,	0.020
2,	20 Oct,	06:44:06,	0.011
3,	20 Oct,	06:54:06,	0.003
4,	20 Oct,	07:04:06,	0.008
5,	20 Oct,	07:14:06,	0.018
6,	20 Oct,	07:24:06,	0.016
7,	20 Oct,	07:34:06,	0.020
8,	20 Oct,	07:44:06,	0.025
9,	20 Oct,	07:54:06,	0.020
10,	20 Oct,	08:04:06,	0.020
11,	20 Oct,	08:14:06,	0.022
12,	20 Oct,	08:24:06,	0.027
13,	20 Oct,	08:34:06,	0.028
14,	20 Oct,	08:44:06,	0.032
15,	20 Oct,	08:54:06,	0.033
16,	20 Oct,	09:04:06,	0.029
17,	20 Oct,	09:14:06,	0.024
18,	20 Oct,	09:24:06,	0.020
19,	20 Oct,	09:34:06,	0.019
20,	20 Oct,	09:44:06,	0.016
21,	20 Oct,	09:54:06,	0.019
22,	20 Oct,	10:04:06,	0.018
23,	20 Oct,	10:14:06,	0.017
24,	20 Oct,	10:24:06,	0.017
25,	20 Oct,	10:34:06,	0.012
26,	20 Oct,	10:44:06,	0.007
27,	20 Oct,	10:54:06,	0.004
28,	20 Oct,	11:04:06,	0.004
29,	20 Oct,	11:14:06,	0.004
30,	20 Oct,	11:24:06,	0.003
31,	20 Oct,	11:34:06,	0.001
32,	20 Oct,	11:44:06,	0.000
33,	20 Oct,	11:54:06,	0.000
34,	20 Oct,	12:04:06,	0.001
35,	20 Oct,	12:14:06,	0.000
36,	20 Oct,	12:24:06,	0.000
37,	20 Oct,	12:34:06,	0.000
38,	20 Oct,	12:44:06,	0.000
39,	20 Oct,	12:54:06,	0.000
40,	20 Oct,	13:04:06,	0.000
41,	20 Oct,	13:14:06,	0.000
42,	20 Oct,	13:24:06,	0.000
43,	20 Oct,	13:34:06,	0.000
44,	20 Oct,	13:44:06,	0.000
45,	20 Oct,	13:54:06,	0.000
46,	20 Oct,	14:04:06,	0.000
47,	20 Oct,	14:14:06,	0.000
48,	20 Oct,	14:24:06,	0.000
49,	20 Oct,	14:34:06,	0.000
50,	20 Oct,	14:44:06,	0.000
51,	20 Oct,	14:54:06,	0.000
52,	20 Oct,	15:04:06,	0.000
53,	20 Oct,	15:14:06,	0.000
54,	20 Oct,	15:24:06,	0.000
55,	20 Oct,	15:34:06,	0.000

56,	20 Oct,	15:44:06,	0.000
57,	20 Oct,	15:54:06,	0.000
58,	20 Oct,	16:04:06,	0.000
59,	20 Oct,	16:14:06,	0.000
60,	20 Oct,	16:24:06,	0.000
61,	20 Oct,	16:34:06,	0.000
62,	20 Oct,	16:44:06,	0.000
63,	20 Oct,	16:54:06,	0.001
64,	20 Oct,	17:04:06,	0.000
65,	20 Oct,	17:14:06,	0.001
66,	20 Oct,	17:24:06,	0.941*
67,	20 Oct,	17:34:06,	0.005
68,	20 Oct,	17:44:06,	12.310*
69,	20 Oct,	17:54:06,	0.164*
70,	20 Oct,	18:04:06,	0.077*
71,	20 Oct,	18:14:06,	0.067
72,	20 Oct,	18:24:06,	0.069
73,	20 Oct,	18:34:06,	0.063
74,	20 Oct,	18:44:06,	0.065

2

pDR-1000
User ID: Tantara_9191_Downwind2
Tag Number: 27
Number of logged points: 73
Start time and date: 06:29:57 20-Oct
Elapsed time: 12:10:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.269 mg/m³
Time at maximum: 16:40:49 Oct 20
Max STEL Concentration: 0.041 mg/m³
Time at max STEL: 07:40:57 Oct 20
Overall Avg Conc: 0.003 mg/m³
Logged Data:

3

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	20 Oct,	06:39:57,	0.014
2,	20 Oct,	06:49:57,	0.007
3,	20 Oct,	06:59:57,	0.018
4,	20 Oct,	07:09:57,	0.019
5,	20 Oct,	07:19:57,	0.024
6,	20 Oct,	07:29:57,	0.033
7,	20 Oct,	07:39:57,	0.039
8,	20 Oct,	07:49:57,	0.036
9,	20 Oct,	07:59:57,	0.029
10,	20 Oct,	08:09:57,	0.023
11,	20 Oct,	08:19:57,	0.039
12,	20 Oct,	08:29:57,	0.040
13,	20 Oct,	08:39:57,	0.038
14,	20 Oct,	08:49:57,	0.035
15,	20 Oct,	08:59:57,	0.034
16,	20 Oct,	09:09:57,	0.027
17,	20 Oct,	09:19:57,	0.027
18,	20 Oct,	09:29:57,	0.031
19,	20 Oct,	09:39:57,	0.027
20,	20 Oct,	09:49:57,	0.021
21,	20 Oct,	09:59:57,	0.038
22,	20 Oct,	10:09:57,	0.021
23,	20 Oct,	10:19:57,	0.023
24,	20 Oct,	10:29:57,	0.019
25,	20 Oct,	10:39:57,	0.006
26,	20 Oct,	10:49:57,	0.005
27,	20 Oct,	10:59:57,	0.001
28,	20 Oct,	11:09:57,	0.000
29,	20 Oct,	11:19:57,	0.000
30,	20 Oct,	11:29:57,	0.000
31,	20 Oct,	11:39:57,	0.000
32,	20 Oct,	11:49:57,	0.000
33,	20 Oct,	11:59:57,	0.000
34,	20 Oct,	12:09:57,	0.000
35,	20 Oct,	12:19:57,	0.000
36,	20 Oct,	12:29:57,	0.000
37,	20 Oct,	12:39:57,	0.000
38,	20 Oct,	12:49:57,	0.000
39,	20 Oct,	12:59:57,	0.000
40,	20 Oct,	13:09:57,	0.000
41,	20 Oct,	13:19:57,	0.000
42,	20 Oct,	13:29:57,	0.000
43,	20 Oct,	13:39:57,	0.000
44,	20 Oct,	13:49:57,	0.000
45,	20 Oct,	13:59:57,	0.000
46,	20 Oct,	14:09:57,	0.000
47,	20 Oct,	14:19:57,	0.000
48,	20 Oct,	14:29:57,	0.000
49,	20 Oct,	14:39:57,	0.003
50,	20 Oct,	14:49:57,	0.000
51,	20 Oct,	14:59:57,	0.000
52,	20 Oct,	15:09:57,	0.008
53,	20 Oct,	15:19:57,	0.008
54,	20 Oct,	15:29:57,	0.011
55,	20 Oct,	15:39:57,	0.017

56,	20 Oct,	15:49:57,	0.002
57,	20 Oct,	15:59:57,	0.004
58,	20 Oct,	16:09:57,	0.008
59,	20 Oct,	16:19:57,	0.000
60,	20 Oct,	16:29:57,	0.000
61,	20 Oct,	16:39:57,	0.000
62,	20 Oct,	16:49:57,	0.014
63,	20 Oct,	16:59:57,	0.000
64,	20 Oct,	17:09:57,	0.002
65,	20 Oct,	17:19:57,	0.000
66,	20 Oct,	17:29:57,	0.003
67,	20 Oct,	17:39:57,	0.000
68,	20 Oct,	17:49:57,	0.001
69,	20 Oct,	17:59:57,	0.002
70,	20 Oct,	18:09:57,	0.002
71,	20 Oct,	18:19:57,	0.019
72,	20 Oct,	18:29:57,	0.000
73,	20 Oct,	18:39:57,	0.000

4

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 25
Number of logged points: 74
Start time and date: 06:29:05 20-Oct
Elapsed time: 12:20:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.250 mg/m³
Time at maximum: 10:50:23 Oct 20
Max STEL Concentration: 0.039 mg/m³
Time at max STEL: 08:46:05 Oct 20
Overall Avg Conc: 0.009 mg/m³
Logged Data:

5

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	20 Oct,	06:39:05,	0.015
2,	20 Oct,	06:49:05,	0.011
3,	20 Oct,	06:59:05,	0.016
4,	20 Oct,	07:09:05,	0.017
5,	20 Oct,	07:19:05,	0.019
6,	20 Oct,	07:29:05,	0.033
7,	20 Oct,	07:39:05,	0.035
8,	20 Oct,	07:49:05,	0.037
9,	20 Oct,	07:59:05,	0.032
10,	20 Oct,	08:09:05,	0.028
11,	20 Oct,	08:19:05,	0.034
12,	20 Oct,	08:29:05,	0.033
13,	20 Oct,	08:39:05,	0.038
14,	20 Oct,	08:49:05,	0.039
15,	20 Oct,	08:59:05,	0.038
16,	20 Oct,	09:09:05,	0.031
17,	20 Oct,	09:19:05,	0.025
18,	20 Oct,	09:29:05,	0.029
19,	20 Oct,	09:39:05,	0.030
20,	20 Oct,	09:49:05,	0.032
21,	20 Oct,	09:59:05,	0.038
22,	20 Oct,	10:09:05,	0.030
23,	20 Oct,	10:19:05,	0.030
24,	20 Oct,	10:29:05,	0.032
25,	20 Oct,	10:39:05,	0.016
26,	20 Oct,	10:49:05,	0.014
27,	20 Oct,	10:59:05,	0.026
28,	20 Oct,	11:09:05,	0.011
29,	20 Oct,	11:19:05,	0.008
30,	20 Oct,	11:29:05,	0.005
31,	20 Oct,	11:39:05,	0.001
32,	20 Oct,	11:49:05,	0.000
33,	20 Oct,	11:59:05,	0.000
34,	20 Oct,	12:09:05,	0.000
35,	20 Oct,	12:19:05,	0.000
36,	20 Oct,	12:29:05,	0.000
37,	20 Oct,	12:39:05,	0.000
38,	20 Oct,	12:49:05,	0.000
39,	20 Oct,	12:59:05,	0.000
40,	20 Oct,	13:09:05,	0.002
41,	20 Oct,	13:19:05,	0.000
42,	20 Oct,	13:29:05,	0.005
43,	20 Oct,	13:39:05,	0.000
44,	20 Oct,	13:49:05,	0.000
45,	20 Oct,	13:59:05,	0.000
46,	20 Oct,	14:09:05,	0.007
47,	20 Oct,	14:19:05,	0.000
48,	20 Oct,	14:29:05,	0.000
49,	20 Oct,	14:39:05,	0.007
50,	20 Oct,	14:49:05,	0.002
51,	20 Oct,	14:59:05,	0.006
52,	20 Oct,	15:09:05,	0.009
53,	20 Oct,	15:19:05,	0.002
54,	20 Oct,	15:29:05,	0.000
55,	20 Oct,	15:39:05,	0.000

56,	20 Oct,	15:49:05,	0.000
57,	20 Oct,	15:59:05,	0.000
58,	20 Oct,	16:09:05,	0.000
59,	20 Oct,	16:19:05,	0.000
60,	20 Oct,	16:29:05,	0.000
61,	20 Oct,	16:39:05,	0.000
62,	20 Oct,	16:49:05,	0.000
63,	20 Oct,	16:59:05,	0.001
64,	20 Oct,	17:09:05,	0.000
65,	20 Oct,	17:19:05,	0.001
66,	20 Oct,	17:29:05,	0.004
67,	20 Oct,	17:39:05,	0.005
68,	20 Oct,	17:49:05,	0.006
69,	20 Oct,	17:59:05,	0.001
70,	20 Oct,	18:09:05,	0.002
71,	20 Oct,	18:19:05,	0.002
72,	20 Oct,	18:29:05,	0.001
73,	20 Oct,	18:39:05,	0.006
74,	20 Oct,	18:49:05,	0.024

6

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 26
Number of logged points: 23
Start time and date: 06:30:27 21-Oct
Elapsed time: 03:50:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.554 mg/m³
Time at maximum: 09:05:02 Oct 21
Max STEL Concentration: 0.303 mg/m³
Time at max STEL: 09:08:57 Oct 21
Overall Avg Conc: 0.071 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	21 Oct,	06:40:27,	0.001
2,	21 Oct,	06:50:27,	0.000
3,	21 Oct,	07:00:27,	0.003
4,	21 Oct,	07:10:27,	0.002
5,	21 Oct,	07:20:27,	0.005
6,	21 Oct,	07:30:27,	0.004
7,	21 Oct,	07:40:27,	0.008
8,	21 Oct,	07:50:27,	0.012
9,	21 Oct,	08:00:27,	0.011
10,	21 Oct,	08:10:27,	0.009
11,	21 Oct,	08:20:27,	0.041
12,	21 Oct,	08:30:27,	0.036
13,	21 Oct,	08:40:27,	0.049
14,	21 Oct,	08:50:27,	0.125
15,	21 Oct,	09:00:27,	0.281
16,	21 Oct,	09:10:27,	0.269
17,	21 Oct,	09:20:27,	0.239
18,	21 Oct,	09:30:27,	0.251
19,	21 Oct,	09:40:27,	0.093
20,	21 Oct,	09:50:27,	0.088
21,	21 Oct,	10:00:27,	0.187
22,	21 Oct,	10:10:27,	0.084
23,	21 Oct,	10:20:27,	0.111

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pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 28
Number of logged points: 71
Start time and date: 06:29:18 21-Oct
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.093 mg/m³
Time at maximum: 12:22:05 Oct 21
Max STEL Concentration: 0.016 mg/m³
Time at max STEL: 09:08:48 Oct 21
Overall Avg Conc: 0.003 mg/m³
Logged Data:

B

Point,	Date	Time	Avg.(mg/m³)
1,	21 Oct,	06:39:18,	0.013
2,	21 Oct,	06:49:18,	0.014
3,	21 Oct,	06:59:18,	0.013
4,	21 Oct,	07:09:18,	0.013
5,	21 Oct,	07:19:18,	0.013
6,	21 Oct,	07:29:18,	0.012
7,	21 Oct,	07:39:18,	0.012
8,	21 Oct,	07:49:18,	0.015
9,	21 Oct,	07:59:18,	0.014
10,	21 Oct,	08:09:18,	0.011
11,	21 Oct,	08:19:18,	0.013
12,	21 Oct,	08:29:18,	0.009
13,	21 Oct,	08:39:18,	0.006
14,	21 Oct,	08:49:18,	0.011
15,	21 Oct,	08:59:18,	0.014
16,	21 Oct,	09:09:18,	0.016
17,	21 Oct,	09:19:18,	0.013
18,	21 Oct,	09:29:18,	0.013
19,	21 Oct,	09:39:18,	0.010
20,	21 Oct,	09:49:18,	0.009
21,	21 Oct,	09:59:18,	0.010
22,	21 Oct,	10:09:18,	0.009
23,	21 Oct,	10:19:18,	0.004
24,	21 Oct,	10:29:18,	0.003
25,	21 Oct,	10:39:18,	0.002
26,	21 Oct,	10:49:18,	0.001
27,	21 Oct,	10:59:18,	0.001
28,	21 Oct,	11:09:18,	0.001
29,	21 Oct,	11:19:18,	0.003
30,	21 Oct,	11:29:18,	0.006
31,	21 Oct,	11:39:18,	0.005
32,	21 Oct,	11:49:18,	0.003
33,	21 Oct,	11:59:18,	0.000
34,	21 Oct,	12:09:18,	0.001
35,	21 Oct,	12:19:18,	0.002
36,	21 Oct,	12:29:18,	0.010
37,	21 Oct,	12:39:18,	0.000
38,	21 Oct,	12:49:18,	0.000
39,	21 Oct,	12:59:18,	0.000
40,	21 Oct,	13:09:18,	0.000
41,	21 Oct,	13:19:18,	0.000
42,	21 Oct,	13:29:18,	0.001
43,	21 Oct,	13:39:18,	0.000
44,	21 Oct,	13:49:18,	0.000
45,	21 Oct,	13:59:18,	0.000
46,	21 Oct,	14:09:18,	0.000
47,	21 Oct,	14:19:18,	0.001
48,	21 Oct,	14:29:18,	0.000
49,	21 Oct,	14:39:18,	0.000
50,	21 Oct,	14:49:18,	0.000
51,	21 Oct,	14:59:18,	0.000
52,	21 Oct,	15:09:18,	0.004
53,	21 Oct,	15:19:18,	0.000
54,	21 Oct,	15:29:18,	0.003
55,	21 Oct,	15:39:18,	0.004

56,	21 Oct,	15:49:18,	0.008
57,	21 Oct,	15:59:18,	0.014
58,	21 Oct,	16:09:18,	0.012
59,	21 Oct,	16:19:18,	0.011
60,	21 Oct,	16:29:18,	0.009
61,	21 Oct,	16:39:18,	0.007
62,	21 Oct,	16:49:18,	0.007
63,	21 Oct,	16:59:18,	0.006
64,	21 Oct,	17:09:18,	0.005
65,	21 Oct,	17:19:18,	0.000
66,	21 Oct,	17:29:18,	0.000
67,	21 Oct,	17:39:18,	0.000
68,	21 Oct,	17:49:18,	0.000
69,	21 Oct,	17:59:18,	0.000
70,	21 Oct,	18:09:18,	0.000
71,	21 Oct,	18:19:18,	0.000

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 26
Number of logged points: 71
Start time and date: 06:29:46 21-Oct
Elapsed time: 11:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.143 mg/m³
Time at maximum: 13:22:51 Oct 21
Max STEL Concentration: 0.010 mg/m³
Time at max STEL: 06:35:46 Oct 21
Overall Avg Conc: 0.000 mg/m³
Logged Data:

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Point,	Date	Time	Avg.(mg/m³)
1,	21 Oct,	06:39:46,	0.017
2,	21 Oct,	06:49:46,	0.000
3,	21 Oct,	06:59:46,	0.000
4,	21 Oct,	07:09:46,	0.000
5,	21 Oct,	07:19:46,	0.000
6,	21 Oct,	07:29:46,	0.001
7,	21 Oct,	07:39:46,	0.000
8,	21 Oct,	07:49:46,	0.000
9,	21 Oct,	07:59:46,	0.000
10,	21 Oct,	08:09:46,	0.000
11,	21 Oct,	08:19:46,	0.000
12,	21 Oct,	08:29:46,	0.000
13,	21 Oct,	08:39:46,	0.000
14,	21 Oct,	08:49:46,	0.001
15,	21 Oct,	08:59:46,	0.005
16,	21 Oct,	09:09:46,	0.003
17,	21 Oct,	09:19:46,	0.000
18,	21 Oct,	09:29:46,	0.000
19,	21 Oct,	09:39:46,	0.000
20,	21 Oct,	09:49:46,	0.000
21,	21 Oct,	09:59:46,	0.000
22,	21 Oct,	10:09:46,	0.000
23,	21 Oct,	10:19:46,	0.000
24,	21 Oct,	10:29:46,	0.000
25,	21 Oct,	10:39:46,	0.000
26,	21 Oct,	10:49:46,	0.000
27,	21 Oct,	10:59:46,	0.003
28,	21 Oct,	11:09:46,	0.000
29,	21 Oct,	11:19:46,	0.001
30,	21 Oct,	11:29:46,	0.000
31,	21 Oct,	11:39:46,	0.000
32,	21 Oct,	11:49:46,	0.000
33,	21 Oct,	11:59:46,	0.000
34,	21 Oct,	12:09:46,	0.000
35,	21 Oct,	12:19:46,	0.000
36,	21 Oct,	12:29:46,	0.005
37,	21 Oct,	12:39:46,	0.000
38,	21 Oct,	12:49:46,	0.000
39,	21 Oct,	12:59:46,	0.000
40,	21 Oct,	13:09:46,	0.004
41,	21 Oct,	13:19:46,	0.011
42,	21 Oct,	13:29:46,	0.021
43,	21 Oct,	13:39:46,	0.000
44,	21 Oct,	13:49:46,	0.000
45,	21 Oct,	13:59:46,	0.000
46,	21 Oct,	14:09:46,	0.000
47,	21 Oct,	14:19:46,	0.000
48,	21 Oct,	14:29:46,	0.000
49,	21 Oct,	14:39:46,	0.000
50,	21 Oct,	14:49:46,	0.001
51,	21 Oct,	14:59:46,	0.000
52,	21 Oct,	15:09:46,	0.000
53,	21 Oct,	15:19:46,	0.000
54,	21 Oct,	15:29:46,	0.000
55,	21 Oct,	15:39:46,	0.000

56,	21	Oct,	15:49:46,	0.000
57,	21	Oct,	15:59:46,	0.000
58,	21	Oct,	16:09:46,	0.000
59,	21	Oct,	16:19:46,	0.000
60,	21	Oct,	16:29:46,	0.000
61,	21	Oct,	16:39:46,	0.000
62,	21	Oct,	16:49:46,	0.000
63,	21	Oct,	16:59:46,	0.000
64,	21	Oct,	17:09:46,	0.000
65,	21	Oct,	17:19:46,	0.000
66,	21	Oct,	17:29:46,	0.000
67,	21	Oct,	17:39:46,	0.000
68,	21	Oct,	17:49:46,	0.000
69,	21	Oct,	17:59:46,	0.000
70,	21	Oct,	18:09:46,	0.000
71,	21	Oct,	18:19:46,	0.000

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pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 27
Number of logged points: 63
Start time and date: 06:35:27 22-Oct
Elapsed time: 10:30:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.957 mg/m³
Time at maximum: 10:07:51 Oct 22
Max STEL Concentration: 0.675 mg/m³
Time at max STEL: 10:16:57 Oct 22
Overall Avg Conc: 0.290 mg/m³
Logged Data:

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Point	Date	Time	Avg.(mg/m³)
1	22 Oct	06:45:27	0.002
2	22 Oct	06:55:27	0.037
3	22 Oct	07:05:27	0.105
4	22 Oct	07:15:27	0.099
5	22 Oct	07:25:27	0.118
6	22 Oct	07:35:27	0.087
7	22 Oct	07:45:27	0.084
8	22 Oct	07:55:27	0.103
9	22 Oct	08:05:27	0.014
10	22 Oct	08:15:27	0.044
11	22 Oct	08:25:27	0.081
12	22 Oct	08:35:27	0.128
13	22 Oct	08:45:27	0.200
14	22 Oct	08:55:27	0.443
15	22 Oct	09:05:27	0.466
16	22 Oct	09:15:27	0.440
17	22 Oct	09:25:27	0.263
18	22 Oct	09:35:27	0.279
19	22 Oct	09:45:27	0.359
20	22 Oct	09:55:27	0.403
21	22 Oct	10:05:27	0.485
22	22 Oct	10:15:27	0.706
23	22 Oct	10:25:27	0.532
24	22 Oct	10:35:27	0.492
25	22 Oct	10:45:27	0.504
26	22 Oct	10:55:27	0.484
27	22 Oct	11:05:27	0.414
28	22 Oct	11:15:27	0.446
29	22 Oct	11:25:27	0.381
30	22 Oct	11:35:27	0.423
31	22 Oct	11:45:27	0.402
32	22 Oct	11:55:27	0.425
33	22 Oct	12:05:27	0.432
34	22 Oct	12:15:27	0.353
35	22 Oct	12:25:27	0.395
36	22 Oct	12:35:27	0.331
37	22 Oct	12:45:27	0.314
38	22 Oct	12:55:27	0.313
39	22 Oct	13:05:27	0.288
40	22 Oct	13:15:27	0.272
41	22 Oct	13:25:27	0.306
42	22 Oct	13:35:27	0.342
43	22 Oct	13:45:27	0.301
44	22 Oct	13:55:27	0.374
45	22 Oct	14:05:27	0.328
46	22 Oct	14:15:27	0.322
47	22 Oct	14:25:27	0.261
48	22 Oct	14:35:27	0.303
49	22 Oct	14:45:27	0.279
50	22 Oct	14:55:27	0.253
51	22 Oct	15:05:27	0.220
52	22 Oct	15:15:27	0.228
53	22 Oct	15:25:27	0.214
54	22 Oct	15:35:27	0.231
55	22 Oct	15:45:27	0.255

56,	22 Oct,	15:55:27,	0.236
57,	22 Oct,	16:05:27,	0.236
58,	22 Oct,	16:15:27,	0.219
59,	22 Oct,	16:25:27,	0.265
60,	22 Oct,	16:35:27,	0.265
61,	22 Oct,	16:45:27,	0.286
62,	22 Oct,	16:55:27,	0.324
63,	22 Oct,	17:05:27,	0.349

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 29
Number of logged points: 63
Start time and date: 06:34:02 22-Oct
Elapsed time: 10:30:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.585 mg/m³
Time at maximum: 06:38:28 Oct 22
Max STEL Concentration: 0.041 mg/m³
Time at max STEL: 06:40:32 Oct 22
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date	Time	Avg.(mg/m³)
1,	22 Oct,	06:44:02,	0.064
2,	22 Oct,	06:54:02,	0.000
3,	22 Oct,	07:04:02,	0.000
4,	22 Oct,	07:14:02,	0.000
5,	22 Oct,	07:24:02,	0.000
6,	22 Oct,	07:34:02,	0.000
7,	22 Oct,	07:44:02,	0.003
8,	22 Oct,	07:54:02,	0.000
9,	22 Oct,	08:04:02,	0.000
10,	22 Oct,	08:14:02,	0.004
11,	22 Oct,	08:24:02,	0.010
12,	22 Oct,	08:34:02,	0.002
13,	22 Oct,	08:44:02,	0.000
14,	22 Oct,	08:54:02,	0.000
15,	22 Oct,	09:04:02,	0.000
16,	22 Oct,	09:14:02,	0.000
17,	22 Oct,	09:24:02,	0.000
18,	22 Oct,	09:34:02,	0.000
19,	22 Oct,	09:44:02,	0.000
20,	22 Oct,	09:54:02,	0.000
21,	22 Oct,	10:04:02,	0.000
22,	22 Oct,	10:14:02,	0.000
23,	22 Oct,	10:24:02,	0.000
24,	22 Oct,	10:34:02,	0.000
25,	22 Oct,	10:44:02,	0.000
26,	22 Oct,	10:54:02,	0.000
27,	22 Oct,	11:04:02,	0.000
28,	22 Oct,	11:14:02,	0.000
29,	22 Oct,	11:24:02,	0.012
30,	22 Oct,	11:34:02,	0.003
31,	22 Oct,	11:44:02,	0.000
32,	22 Oct,	11:54:02,	0.000
33,	22 Oct,	12:04:02,	0.000
34,	22 Oct,	12:14:02,	0.000
35,	22 Oct,	12:24:02,	0.000
36,	22 Oct,	12:34:02,	0.000
37,	22 Oct,	12:44:02,	0.000
38,	22 Oct,	12:54:02,	0.000
39,	22 Oct,	13:04:02,	0.000
40,	22 Oct,	13:14:02,	0.000
41,	22 Oct,	13:24:02,	0.000
42,	22 Oct,	13:34:02,	0.000
43,	22 Oct,	13:44:02,	0.000
44,	22 Oct,	13:54:02,	0.000
45,	22 Oct,	14:04:02,	0.000
46,	22 Oct,	14:14:02,	0.000
47,	22 Oct,	14:24:02,	0.000
48,	22 Oct,	14:34:02,	0.000
49,	22 Oct,	14:44:02,	0.000
50,	22 Oct,	14:54:02,	0.000
51,	22 Oct,	15:04:02,	0.000
52,	22 Oct,	15:14:02,	0.000
53,	22 Oct,	15:24:02,	0.000
54,	22 Oct,	15:34:02,	0.000
55,	22 Oct,	15:44:02,	0.000

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15

56,	22 Oct,	15:54:02,	0.001
57,	22 Oct,	16:04:02,	0.003
58,	22 Oct,	16:14:02,	0.001
59,	22 Oct,	16:24:02,	0.001
60,	22 Oct,	16:34:02,	0.004
61,	22 Oct,	16:44:02,	0.002
62,	22 Oct,	16:54:02,	0.002
63,	22 Oct,	17:04:02,	0.001

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 27
Number of logged points: 64
Start time and date: 06:34:48 22-Oct
Elapsed time: 10:40:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.469 mg/m³
Time at maximum: 06:38:47 Oct 22
Max STEL Concentration: 0.036 mg/m³
Time at max STEL: 06:42:48 Oct 22
Overall Avg Conc: 0.000 mg/m³
Logged Data:

16

Point	Date	Time	Avg.(mg/m³)
1	22 Oct	06:44:48	0.064
2	22 Oct	06:54:48	0.001
3	22 Oct	07:04:48	0.000
4	22 Oct	07:14:48	0.000
5	22 Oct	07:24:48	0.002
6	22 Oct	07:34:48	0.000
7	22 Oct	07:44:48	0.000
8	22 Oct	07:54:48	0.000
9	22 Oct	08:04:48	0.000
10	22 Oct	08:14:48	0.000
11	22 Oct	08:24:48	0.000
12	22 Oct	08:34:48	0.000
13	22 Oct	08:44:48	0.000
14	22 Oct	08:54:48	0.000
15	22 Oct	09:04:48	0.000
16	22 Oct	09:14:48	0.000
17	22 Oct	09:24:48	0.000
18	22 Oct	09:34:48	0.000
19	22 Oct	09:44:48	0.007
20	22 Oct	09:54:48	0.000
21	22 Oct	10:04:48	0.000
22	22 Oct	10:14:48	0.000
23	22 Oct	10:24:48	0.001
24	22 Oct	10:34:48	0.000
25	22 Oct	10:44:48	0.000
26	22 Oct	10:54:48	0.000
27	22 Oct	11:04:48	0.000
28	22 Oct	11:14:48	0.000
29	22 Oct	11:24:48	0.000
30	22 Oct	11:34:48	0.000
31	22 Oct	11:44:48	0.002
32	22 Oct	11:54:48	0.000
33	22 Oct	12:04:48	0.000
34	22 Oct	12:14:48	0.000
35	22 Oct	12:24:48	0.000
36	22 Oct	12:34:48	0.000
37	22 Oct	12:44:48	0.000
38	22 Oct	12:54:48	0.000
39	22 Oct	13:04:48	0.000
40	22 Oct	13:14:48	0.000
41	22 Oct	13:24:48	0.000
42	22 Oct	13:34:48	0.000
43	22 Oct	13:44:48	0.000
44	22 Oct	13:54:48	0.000
45	22 Oct	14:04:48	0.000
46	22 Oct	14:14:48	0.000
47	22 Oct	14:24:48	0.000
48	22 Oct	14:34:48	0.000
49	22 Oct	14:44:48	0.000
50	22 Oct	14:54:48	0.000
51	22 Oct	15:04:48	0.000
52	22 Oct	15:14:48	0.000
53	22 Oct	15:24:48	0.000
54	22 Oct	15:34:48	0.000
55	22 Oct	15:44:48	0.000

56,	22 Oct,	15:54:48,	0.000
57,	22 Oct,	16:04:48,	0.000
58,	22 Oct,	16:14:48,	0.000
59,	22 Oct,	16:24:48,	0.000
60,	22 Oct,	16:34:48,	0.000
61,	22 Oct,	16:44:48,	0.000
62,	22 Oct,	16:54:48,	0.000
63,	22 Oct,	17:04:48,	0.000
64,	22 Oct,	17:14:48,	0.000

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 28
Number of logged points: 64
Start time and date: 06:54:55 24-Oct
Elapsed time: 10:40:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.973 mg/m³
Time at maximum: 09:15:50 Oct 24
Max STEL Concentration: 0.627 mg/m³
Time at max STEL: 08:46:25 Oct 24
Overall Avg Conc: 0.310 mg/m³
Logged Data:

19

Point,	Date	Time	Avg.(mg/m³)
1,	24 Oct,	07:04:55,	0.031
2,	24 Oct,	07:14:55,	0.271
3,	24 Oct,	07:24:55,	0.364
4,	24 Oct,	07:34:55,	0.431
5,	24 Oct,	07:44:55,	0.453
6,	24 Oct,	07:54:55,	0.556
7,	24 Oct,	08:04:55,	0.519
8,	24 Oct,	08:14:55,	0.485
9,	24 Oct,	08:24:55,	0.444
10,	24 Oct,	08:34:55,	0.554
11,	24 Oct,	08:44:55,	0.604
12,	24 Oct,	08:54:55,	0.573
13,	24 Oct,	09:04:55,	0.509
14,	24 Oct,	09:14:55,	0.534
15,	24 Oct,	09:24:55,	0.598
16,	24 Oct,	09:34:55,	0.497
17,	24 Oct,	09:44:55,	0.592
18,	24 Oct,	09:54:55,	0.446
19,	24 Oct,	10:04:55,	0.580
20,	24 Oct,	10:14:55,	0.491
21,	24 Oct,	10:24:55,	0.413
22,	24 Oct,	10:34:55,	0.435
23,	24 Oct,	10:44:55,	0.456
24,	24 Oct,	10:54:55,	0.260
25,	24 Oct,	11:04:55,	0.169
26,	24 Oct,	11:14:55,	0.224
27,	24 Oct,	11:24:55,	0.310
28,	24 Oct,	11:34:55,	0.139
29,	24 Oct,	11:44:55,	0.322
30,	24 Oct,	11:54:55,	0.441
31,	24 Oct,	12:04:55,	0.287
32,	24 Oct,	12:14:55,	0.131
33,	24 Oct,	12:24:55,	0.128
34,	24 Oct,	12:34:55,	0.135
35,	24 Oct,	12:44:55,	0.159
36,	24 Oct,	12:54:55,	0.254
37,	24 Oct,	13:04:55,	0.384
38,	24 Oct,	13:14:55,	0.281
39,	24 Oct,	13:24:55,	0.236
40,	24 Oct,	13:34:55,	0.172
41,	24 Oct,	13:44:55,	0.173
42,	24 Oct,	13:54:55,	0.303
43,	24 Oct,	14:04:55,	0.325
44,	24 Oct,	14:14:55,	0.309
45,	24 Oct,	14:24:55,	0.350
46,	24 Oct,	14:34:55,	0.339
47,	24 Oct,	14:44:55,	0.253
48,	24 Oct,	14:54:55,	0.196
49,	24 Oct,	15:04:55,	0.204
50,	24 Oct,	15:14:55,	0.101
51,	24 Oct,	15:24:55,	0.290
52,	24 Oct,	15:34:55,	0.165
53,	24 Oct,	15:44:55,	0.208
54,	24 Oct,	15:54:55,	0.262
55,	24 Oct,	16:04:55,	0.162

56,	24 Oct,	16:14:55,	0.117
57,	24 Oct,	16:24:55,	0.078
58,	24 Oct,	16:34:55,	0.124
59,	24 Oct,	16:44:55,	0.136
60,	24 Oct,	16:54:55,	0.204
61,	24 Oct,	17:04:55,	0.170
62,	24 Oct,	17:14:55,	0.243
63,	24 Oct,	17:24:55,	0.286
64,	24 Oct,	17:34:55,	0.250

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 30
Number of logged points: 59
Start time and date: 06:41:35 24-Oct
Elapsed time: 09:50:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.171 mg/m³
Time at maximum: 06:50:30 Oct 24
Max STEL Concentration: 0.028 mg/m³
Time at max STEL: 06:53:05 Oct 24
Overall Avg Conc: 0.000 mg/m³
Logged Data:

20

Point,	Date	Time	Avg.(mg/m³)
1,	24 Oct,	06:51:35,	0.042
2,	24 Oct,	07:01:35,	0.003
3,	24 Oct,	07:11:35,	0.000
4,	24 Oct,	07:21:35,	0.000
5,	24 Oct,	07:31:35,	0.000
6,	24 Oct,	07:41:35,	0.010
7,	24 Oct,	07:51:35,	0.000
8,	24 Oct,	08:01:35,	0.000
9,	24 Oct,	08:11:35,	0.000
10,	24 Oct,	08:21:35,	0.000
11,	24 Oct,	08:31:35,	0.000
12,	24 Oct,	08:41:35,	0.000
13,	24 Oct,	08:51:35,	0.000
14,	24 Oct,	09:01:35,	0.000
15,	24 Oct,	09:11:35,	0.000
16,	24 Oct,	09:21:35,	0.000
17,	24 Oct,	09:31:35,	0.000
18,	24 Oct,	09:41:35,	0.000
19,	24 Oct,	09:51:35,	0.000
20,	24 Oct,	10:01:35,	0.000
21,	24 Oct,	10:11:35,	0.000
22,	24 Oct,	10:21:35,	0.000
23,	24 Oct,	10:31:35,	0.000
24,	24 Oct,	10:41:35,	0.000
25,	24 Oct,	10:51:35,	0.000
26,	24 Oct,	11:01:35,	0.000
27,	24 Oct,	11:11:35,	0.000
28,	24 Oct,	11:21:35,	0.000
29,	24 Oct,	11:31:35,	0.000
30,	24 Oct,	11:41:35,	0.000
31,	24 Oct,	11:51:35,	0.000
32,	24 Oct,	12:01:35,	0.000
33,	24 Oct,	12:11:35,	0.000
34,	24 Oct,	12:21:35,	0.000
35,	24 Oct,	12:31:35,	0.001
36,	24 Oct,	12:41:35,	0.000
37,	24 Oct,	12:51:35,	0.000
38,	24 Oct,	13:01:35,	0.000
39,	24 Oct,	13:11:35,	0.000
40,	24 Oct,	13:21:35,	0.000
41,	24 Oct,	13:31:35,	0.000
42,	24 Oct,	13:41:35,	0.000
43,	24 Oct,	13:51:35,	0.000
44,	24 Oct,	14:01:35,	0.000
45,	24 Oct,	14:11:35,	0.000
46,	24 Oct,	14:21:35,	0.000
47,	24 Oct,	14:31:35,	0.001
48,	24 Oct,	14:41:35,	0.000
49,	24 Oct,	14:51:35,	0.000
50,	24 Oct,	15:01:35,	0.000
51,	24 Oct,	15:11:35,	0.000
52,	24 Oct,	15:21:35,	0.000
53,	24 Oct,	15:31:35,	0.000
54,	24 Oct,	15:41:35,	0.000
55,	24 Oct,	15:51:35,	0.001

56, 24 Oct, 16:01:35, 0.000
57, 24 Oct, 16:11:35, 0.000
58, 24 Oct, 16:21:35, 0.000
59, 24 Oct, 16:31:35, 0.000

21

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 28
Number of logged points: 46
Start time and date: 06:43:43 24-Oct
Elapsed time: 07:40:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.441 mg/m³
Time at maximum: 06:43:44 Oct 24
Max STEL Concentration: 0.044 mg/m³
Time at max STEL: 06:52:13 Oct 24
Overall Avg Conc: 0.000 mg/m³
Logged Data:

22

Point,	Date	Time	Avg.(mg/m³)
1,	24 Oct,	06:53:43,	0.067
2,	24 Oct,	07:03:43,	0.000
3,	24 Oct,	07:13:43,	0.000
4,	24 Oct,	07:23:43,	0.000
5,	24 Oct,	07:33:43,	0.000
6,	24 Oct,	07:43:43,	0.007
7,	24 Oct,	07:53:43,	0.000
8,	24 Oct,	08:03:43,	0.000
9,	24 Oct,	08:13:43,	0.000
10,	24 Oct,	08:23:43,	0.000
11,	24 Oct,	08:33:43,	0.000
12,	24 Oct,	08:43:43,	0.000
13,	24 Oct,	08:53:43,	0.000
14,	24 Oct,	09:03:43,	0.000
15,	24 Oct,	09:13:43,	0.000
16,	24 Oct,	09:23:43,	0.000
17,	24 Oct,	09:33:43,	0.000
18,	24 Oct,	09:43:43,	0.000
19,	24 Oct,	09:53:43,	0.000
20,	24 Oct,	10:03:43,	0.000
21,	24 Oct,	10:13:43,	0.000
22,	24 Oct,	10:23:43,	0.001
23,	24 Oct,	10:33:43,	0.000
24,	24 Oct,	10:43:43,	0.000
25,	24 Oct,	10:53:43,	0.000
26,	24 Oct,	11:03:43,	0.000
27,	24 Oct,	11:13:43,	0.000
28,	24 Oct,	11:23:43,	0.000
29,	24 Oct,	11:33:43,	0.000
30,	24 Oct,	11:43:43,	0.000
31,	24 Oct,	11:53:43,	0.000
32,	24 Oct,	12:03:43,	0.000
33,	24 Oct,	12:13:43,	0.000
34,	24 Oct,	12:23:43,	0.000
35,	24 Oct,	12:33:43,	0.000
36,	24 Oct,	12:43:43,	0.000
37,	24 Oct,	12:53:43,	0.000
38,	24 Oct,	13:03:43,	0.000
39,	24 Oct,	13:13:43,	0.000
40,	24 Oct,	13:23:43,	0.000
41,	24 Oct,	13:33:43,	0.000
42,	24 Oct,	13:43:43,	0.000
43,	24 Oct,	13:53:43,	0.002
44,	24 Oct,	14:03:43,	0.000
45,	24 Oct,	14:13:43,	0.000
46,	24 Oct,	14:23:43,	0.000

23

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 29
Number of logged points: 64
Start time and date: 06:46:00 25-Oct
Elapsed time: 10:40:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 5.659 mg/m³
Time at maximum: 15:00:33 Oct 25
Max STEL Concentration: 3.177 mg/m³
Time at max STEL: 15:04:30 Oct 25
Overall Avg Conc: 1.424 mg/m³
Logged Data:

Point,	Date	Time	Avg.(mg/m³)
1,	25 Oct,	06:56:00,	0.024
2,	25 Oct,	07:06:00,	0.045
3,	25 Oct,	07:16:00,	0.208*
4,	25 Oct,	07:26:00,	0.332*
5,	25 Oct,	07:36:00,	0.502*
6,	25 Oct,	07:46:00,	0.640*
7,	25 Oct,	07:56:00,	1.421
8,	25 Oct,	08:06:00,	1.518
9,	25 Oct,	08:16:00,	1.472
10,	25 Oct,	08:26:00,	1.595
11,	25 Oct,	08:36:00,	1.112
12,	25 Oct,	08:46:00,	1.017
13,	25 Oct,	08:56:00,	0.840
14,	25 Oct,	09:06:00,	0.706
15,	25 Oct,	09:16:00,	0.614
16,	25 Oct,	09:26:00,	0.661
17,	25 Oct,	09:36:00,	0.607
18,	25 Oct,	09:46:00,	0.647
19,	25 Oct,	09:56:00,	0.862
20,	25 Oct,	10:06:00,	1.129
21,	25 Oct,	10:16:00,	1.095
22,	25 Oct,	10:26:00,	0.836
23,	25 Oct,	10:36:00,	0.802
24,	25 Oct,	10:46:00,	0.935
25,	25 Oct,	10:56:00,	0.898
26,	25 Oct,	11:06:00,	1.054
27,	25 Oct,	11:16:00,	1.090
28,	25 Oct,	11:26:00,	1.188
29,	25 Oct,	11:36:00,	1.136
30,	25 Oct,	11:46:00,	1.202
31,	25 Oct,	11:56:00,	1.088
32,	25 Oct,	12:06:00,	1.002
33,	25 Oct,	12:16:00,	1.226
34,	25 Oct,	12:26:00,	1.149
35,	25 Oct,	12:36:00,	1.202
36,	25 Oct,	12:46:00,	1.324
37,	25 Oct,	12:56:00,	1.292
38,	25 Oct,	13:06:00,	1.495
39,	25 Oct,	13:16:00,	1.494
40,	25 Oct,	13:26:00,	1.098
41,	25 Oct,	13:36:00,	1.254
42,	25 Oct,	13:46:00,	1.111
43,	25 Oct,	13:56:00,	0.904
44,	25 Oct,	14:06:00,	1.149
45,	25 Oct,	14:16:00,	1.090
46,	25 Oct,	14:26:00,	1.350
47,	25 Oct,	14:36:00,	1.735
48,	25 Oct,	14:46:00,	1.628
49,	25 Oct,	14:56:00,	2.509
50,	25 Oct,	15:06:00,	3.102
51,	25 Oct,	15:16:00,	2.525
52,	25 Oct,	15:26:00,	2.402
53,	25 Oct,	15:36:00,	2.982
54,	25 Oct,	15:46:00,	2.682
55,	25 Oct,	15:56:00,	3.096

56, 25 Oct, 16:06:00, 2.770 *
57, 25 Oct, 16:16:00, 2.454 *
58, 25 Oct, 16:26:00, 3.029 *
59, 25 Oct, 16:36:00, 3.017 *
60, 25 Oct, 16:46:00, 2.694 *
61, 25 Oct, 16:56:00, 2.832 *
62, 25 Oct, 17:06:00, 2.172 *
63, 25 Oct, 17:16:00, 1.890 *
64, 25 Oct, 17:26:00, 2.229 *

24

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 31
Number of logged points: 63
Start time and date: 06:49:03 25-Oct
Elapsed time: 10:30:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 406.800 mg/m³
Time at maximum: 15:23:04 Oct 25
Max STEL Concentration: 336.192 mg/m³
Time at max STEL: 15:56:34 Oct 25
Overall Avg Conc: 14.801 mg/m³
Logged Data:

Point,	Date	Time	Avg.(mg/m³)
1,	25 Oct,	06:59:03,	0.046
2,	25 Oct,	07:09:03,	0.001
3,	25 Oct,	07:19:03,	0.000
4,	25 Oct,	07:29:03,	0.000
5,	25 Oct,	07:39:03,	0.000
6,	25 Oct,	07:49:03,	0.002
7,	25 Oct,	07:59:03,	0.001
8,	25 Oct,	08:09:03,	0.000
9,	25 Oct,	08:19:03,	0.000
10,	25 Oct,	08:29:03,	0.000
11,	25 Oct,	08:39:03,	0.000
12,	25 Oct,	08:49:03,	0.000
13,	25 Oct,	08:59:03,	0.000
14,	25 Oct,	09:09:03,	0.000
15,	25 Oct,	09:19:03,	0.000
16,	25 Oct,	09:29:03,	0.000
17,	25 Oct,	09:39:03,	0.000
18,	25 Oct,	09:49:03,	0.000
19,	25 Oct,	09:59:03,	0.000
20,	25 Oct,	10:09:03,	0.000
21,	25 Oct,	10:19:03,	0.000
22,	25 Oct,	10:29:03,	0.001
23,	25 Oct,	10:39:03,	0.000
24,	25 Oct,	10:49:03,	0.000
25,	25 Oct,	10:59:03,	0.000
26,	25 Oct,	11:09:03,	0.001
27,	25 Oct,	11:19:03,	0.000
28,	25 Oct,	11:29:03,	0.000
29,	25 Oct,	11:39:03,	0.000
30,	25 Oct,	11:49:03,	0.000
31,	25 Oct,	11:59:03,	0.000
32,	25 Oct,	12:09:03,	0.000
33,	25 Oct,	12:19:03,	0.000
34,	25 Oct,	12:29:03,	0.000
35,	25 Oct,	12:39:03,	0.008
36,	25 Oct,	12:49:03,	0.000
37,	25 Oct,	12:59:03,	0.002
38,	25 Oct,	13:09:03,	0.005
39,	25 Oct,	13:19:03,	0.002
40,	25 Oct,	13:29:03,	0.001
41,	25 Oct,	13:39:03,	0.001
42,	25 Oct,	13:49:03,	0.001
43,	25 Oct,	13:59:03,	0.000
44,	25 Oct,	14:09:03,	0.000
45,	25 Oct,	14:19:03,	0.000
46,	25 Oct,	14:29:03,	0.001
47,	25 Oct,	14:39:03,	0.000
48,	25 Oct,	14:49:03,	0.029
49,	25 Oct,	14:59:03,	1.938 *
50,	25 Oct,	15:09:03,	17.650 *
51,	25 Oct,	15:19:03,	0.006
52,	25 Oct,	15:29:03,	257.700 *
53,	25 Oct,	15:39:03,	78.000 *
54,	25 Oct,	15:49:03,	262.300 *
55,	25 Oct,	15:59:03,	307.800 *

56, 25 Oct, 16:09:03, 12.390 *
57, 25 Oct, 16:19:03, 0.036
58, 25 Oct, 16:29:03, 0.032
59, 25 Oct, 16:39:03, 0.027
60, 25 Oct, 16:49:03, 0.022
61, 25 Oct, 16:59:03, 0.011
62, 25 Oct, 17:09:03, 0.012
63, 25 Oct, 17:19:03, 0.012

26

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 29
Number of logged points: 64
Start time and date: 06:50:18 25-Oct
Elapsed time: 10:40:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.265 mg/m³
Time at maximum: 06:53:11 Oct 25
Max STEL Concentration: 0.025 mg/m³
Time at max STEL: 06:56:48 Oct 25
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	25 Oct,	07:00:18,	0.039
2,	25 Oct,	07:10:18,	0.000
3,	25 Oct,	07:20:18,	0.000
4,	25 Oct,	07:30:18,	0.000
5,	25 Oct,	07:40:18,	0.000
6,	25 Oct,	07:50:18,	0.002
7,	25 Oct,	08:00:18,	0.000
8,	25 Oct,	08:10:18,	0.000
9,	25 Oct,	08:20:18,	0.000
10,	25 Oct,	08:30:18,	0.000
11,	25 Oct,	08:40:18,	0.001
12,	25 Oct,	08:50:18,	0.000
13,	25 Oct,	09:00:18,	0.000
14,	25 Oct,	09:10:18,	0.000
15,	25 Oct,	09:20:18,	0.000
16,	25 Oct,	09:30:18,	0.000
17,	25 Oct,	09:40:18,	0.000
18,	25 Oct,	09:50:18,	0.002
19,	25 Oct,	10:00:18,	0.000
20,	25 Oct,	10:10:18,	0.000
21,	25 Oct,	10:20:18,	0.000
22,	25 Oct,	10:30:18,	0.000
23,	25 Oct,	10:40:18,	0.000
24,	25 Oct,	10:50:18,	0.001
25,	25 Oct,	11:00:18,	0.001
26,	25 Oct,	11:10:18,	0.000
27,	25 Oct,	11:20:18,	0.000
28,	25 Oct,	11:30:18,	0.001
29,	25 Oct,	11:40:18,	0.000
30,	25 Oct,	11:50:18,	0.000
31,	25 Oct,	12:00:18,	0.002
32,	25 Oct,	12:10:18,	0.000
33,	25 Oct,	12:20:18,	0.000
34,	25 Oct,	12:30:18,	0.000
35,	25 Oct,	12:40:18,	0.000
36,	25 Oct,	12:50:18,	0.000
37,	25 Oct,	13:00:18,	0.000
38,	25 Oct,	13:10:18,	0.000
39,	25 Oct,	13:20:18,	0.002
40,	25 Oct,	13:30:18,	0.000
41,	25 Oct,	13:40:18,	0.000
42,	25 Oct,	13:50:18,	0.000
43,	25 Oct,	14:00:18,	0.001
44,	25 Oct,	14:10:18,	0.000
45,	25 Oct,	14:20:18,	0.000
46,	25 Oct,	14:30:18,	0.000
47,	25 Oct,	14:40:18,	0.000
48,	25 Oct,	14:50:18,	0.000
49,	25 Oct,	15:00:18,	0.000
50,	25 Oct,	15:10:18,	0.000
51,	25 Oct,	15:20:18,	0.001
52,	25 Oct,	15:30:18,	0.000
53,	25 Oct,	15:40:18,	0.000
54,	25 Oct,	15:50:18,	0.000
55,	25 Oct,	16:00:18,	0.000

27

56,	25 Oct,	16:10:18,	0.000
57,	25 Oct,	16:20:18,	0.000
58,	25 Oct,	16:30:18,	0.000
59,	25 Oct,	16:40:18,	0.000
60,	25 Oct,	16:50:18,	0.000
61,	25 Oct,	17:00:18,	0.000
62,	25 Oct,	17:10:18,	0.000
63,	25 Oct,	17:20:18,	0.000
64,	25 Oct,	17:30:18,	0.004

Recieved 11/5/03

TANTARA CORPORATION

November 4, 2003

Mr. Juraj Bajgar
Metcalf and Eddy
701 Edgewater Drive
Wakefield, MA 01880

Subject: **Pownal Tannery Superfund Site, Pownal, VT**
Subcontract # 3600100149, W/A # 150-RARA-01N9
EPA Response Action Contract No. 68-W6-0042

Re: **Perimeter Air Monitoring and Dust Control**
Report #7 for w/e November 01, 2003

Dear Mr. Bajgar:

Referencing Section 01130 Perimeter Air Monitoring and Dust Control Plan of the Contract Documents and our Perimeter Air Monitoring & Dust Control Plan dated August 20, 2003, TANTARA Corporation (TANTARA) submits this weekly report for the week ending November 01, 2003.

Sampling Procedures

Air monitoring was performed continuously during work activities. In general, the air monitoring stations were installed at 0630, 30 minutes before the start of work activities. On days with rain, the air monitoring stations were removed as not to damage the units. The air monitoring concluded 60 minutes after construction activities concluded. The locations of the air monitoring stations were consistent with the plan presented in the Perimeter Air Monitoring & Dust Control Plan. The station identification numbers and locations are summarized below.

Sample	Station ID	Location
Upwind Station	Tantara_3091_Upwind1	Southwest of Lagoon 5
Downwind Station	Tantara_9191_Downwind2	Northeast of Lagoon 2
Downwind Station	Tantara_9189_Downwind3	East of Lagoon 1

The air monitoring stations were mounted on a visibility posts and were installed approximately four (4) feet above the ground elevation. The locations were chosen to promote unrestricted air flow. The air monitoring date was obtained utilizing a MIE pDR-1000AN direct reading instrument. Measurements were conducted at one minute intervals and calculations and recordings were of a 10-minute time weighed average.

Calibration Procedures

All three (3) instruments were factory calibrated in accordance with manufactures recommendations. In addition, a field calibration was performed to zero the instrument. During the two (2) minute pre-run automatic zeroing sequence, the instrument registers its own optical

14 Fall River Avenue Rehoboth, Massachusetts 02769 voice (508) 336-9622 facsimile (508) 336-9624

background, stores that level in its memory, and then subtracts that background from all measured concentrations values.

Summary of Meteorological Data

Monday – October 27, 2003	**Morning**	**Afternoon**
Temperature	52.6 F	56.0 F
Relative Humidity	100 %	100 %
Wind Direction	Variable	Variable
Wind Speed	1 – 2 mph	3 – 5 mph
Weather Conditions	Severe Rain	Severe Rain

Tuesday – October 28, 2003	**Morning**	**Afternoon**
Temperature	47.8 F	59.2 F
Relative Humidity	85.1 %	86.0 %
Wind Direction	Variable	Variable
Wind Speed	1 – 2 mph	1 - 2 mph
Weather Conditions	Overcast	Dry / Clear

Wednesday – October 29, 2003	**Morning**	**Afternoon**
Temperature	55.5 F	60.0 F
Relative Humidity	100 %	100 %
Wind Direction	S / SW	Variable
Wind Speed	5 – 10 mph	10 – 15 mph
Weather Conditions	Severe Rain	Severe Rain

Thursday – October 30, 2003	**Morning**	**Afternoon**
Temperature	52.2 F	62.3 F
Relative Humidity	77.8 %	78.0 %
Wind Direction	Calm	Calm
Wind Speed	0 mph	0 mph
Weather Conditions	Clear	Clear

Friday – October 31, 2003	**Morning**	**Afternoon**
Temperature	55.6 F	68.8 F
Relative Humidity	70.2 %	76.1 %
Wind Direction	Calm	Calm
Wind Speed	0 mph	0 mph
Weather Conditions	Clear	Clear

Saturday – November 01, 2003	**Morning**	**Afternoon**
Temperature	57.7 F	66.0 F
Relative Humidity	74.8 %	78.5 %
Wind Direction	Calm	Calm
Wind Speed	0 mph	0 mph
Weather Conditions	Clear	Clear

Contaminant Levels

On Monday October 27, 2003 and Wednesday October 29, 2003 severe rains prohibited the installation of the air monitoring stations. On Tuesday October 28, 2003 there were no exceedences of the 73 ug / m3 action level on the downwind stations. However, there were elevated readings on the upwind station. On Thursday October 30, 2003, Friday October 31, 2003 and on Saturday November 01, 2003, the upwind station continued to report elevated readings, mainly in the afternoon. It was observed that residential construction and leaf burning was performed across the river. The downwind stations did not report any exceedences.

Please find attached the data from the three (3) monitoring stations for the week.

I you should have any questions or desire any additional information please do not hesitate to contact this office.

Sincerely,

Christopher Pereira
Project Manager

Encl. Data from pDR-1000

Cc. N. Thurber

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 30
Number of logged points: 68
Start time and date: 06:56:50 28-Oct
Elapsed time: 11:20:00
gging period (sec): 600
Aibration Factor (%): 100
Max Display Concentration: 0.913 mg/m³
Time at maximum: 14:56:15 Oct 28
Max STEL Concentration: 0.473 mg/m³
Time at max STEL: 18:24:19 Oct 28
Overall Avg Conc: 0.018 mg/m³
Logged Data:

Point,	Date	Time	Avg.(mg/m³)
1,	28 Oct,	07:06:50,	0.008
2,	28 Oct,	07:16:50,	0.002
3,	28 Oct,	07:26:50,	0.000
4,	28 Oct,	07:36:50,	0.000
5,	28 Oct,	07:46:50,	0.000
6,	28 Oct,	07:56:50,	0.007
7,	28 Oct,	08:06:50,	0.089
8,	28 Oct,	08:16:50,	0.183
9,	28 Oct,	08:26:50,	0.272
10,	28 Oct,	08:36:50,	0.153
11,	28 Oct,	08:46:50,	0.015
12,	28 Oct,	08:56:50,	0.085
13,	28 Oct,	09:06:50,	0.002
14,	28 Oct,	09:16:50,	0.008
15,	28 Oct,	09:26:50,	0.061
16,	28 Oct,	09:36:50,	0.040
17,	28 Oct,	09:46:50,	0.007
18,	28 Oct,	09:56:50,	0.011
19,	28 Oct,	10:06:50,	0.004
20,	28 Oct,	10:16:50,	0.040
21,	28 Oct,	10:26:50,	0.035
22,	28 Oct,	10:36:50,	0.019
23,	28 Oct,	10:46:50,	0.032
24,	28 Oct,	10:56:50,	0.232
25,	28 Oct,	11:06:50,	0.179
26,	28 Oct,	11:16:50,	0.121
27,	28 Oct,	11:26:50,	0.072
28,	28 Oct,	11:36:50,	0.011
29,	28 Oct,	11:46:50,	0.117
30,	28 Oct,	11:56:50,	0.050
31,	28 Oct,	12:06:50,	0.139
32,	28 Oct,	12:16:50,	0.313
33,	28 Oct,	12:26:50,	0.256
34,	28 Oct,	12:36:50,	0.143
35,	28 Oct,	12:46:50,	0.053
36,	28 Oct,	12:56:50,	0.088
37,	28 Oct,	13:06:50,	0.116
38,	28 Oct,	13:16:50,	0.062
39,	28 Oct,	13:26:50,	0.119
40,	28 Oct,	13:36:50,	0.086
41,	28 Oct,	13:46:50,	0.159
42,	28 Oct,	13:56:50,	0.179
43,	28 Oct,	14:06:50,	0.214
44,	28 Oct,	14:16:50,	0.074
45,	28 Oct,	14:26:50,	0.129
46,	28 Oct,	14:36:50,	0.097
47,	28 Oct,	14:46:50,	0.148
48,	28 Oct,	14:56:50,	0.176
49,	28 Oct,	15:06:50,	0.072
50,	28 Oct,	15:16:50,	0.114
51,	28 Oct,	15:26:50,	0.073
52,	28 Oct,	15:36:50,	0.073
53,	28 Oct,	15:46:50,	0.009
54,	28 Oct,	15:56:50,	0.059
55,	28 Oct,	16:06:50,	0.081

56,	28 Oct,	16:16:50,	0.001
57,	28 Oct,	16:26:50,	0.007
58,	28 Oct,	16:36:50,	0.001
59,	28 Oct,	16:46:50,	0.008
60,	28 Oct,	16:56:50,	0.021
61,	28 Oct,	17:06:50,	0.050
62,	28 Oct,	17:16:50,	0.073
63,	28 Oct,	17:26:50,	0.086
64,	28 Oct,	17:36:50,	0.070
65,	28 Oct,	17:46:50,	0.076
66,	28 Oct,	17:56:50,	0.087
67,	28 Oct,	18:06:50,	0.302
68,	28 Oct,	18:16:50,	0.468

2

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 32
Number of logged points: 69
Start time and date: 06:55:25 28-Oct
Elapsed time: 11:30:00
gging period (sec): 600
libration Factor (%): 100
max Display Concentration: 1.510 mg/m³
Time at maximum: 07:06:35 Oct 28
Max STEL Concentration: 0.105 mg/m³
Time at max STEL: 07:14:55 Oct 28
Overall Avg Conc: 0.000 mg/m³
Logged Data:

3

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	28 Oct,	07:05:25,	0.017
2,	28 Oct,	07:15:25,	0.197
3,	28 Oct,	07:25:25,	0.000
4,	28 Oct,	07:35:25,	0.000
5,	28 Oct,	07:45:25,	0.000
6,	28 Oct,	07:55:25,	0.000
7,	28 Oct,	08:05:25,	0.000
8,	28 Oct,	08:15:25,	0.000
9,	28 Oct,	08:25:25,	0.000
10,	28 Oct,	08:35:25,	0.000
11,	28 Oct,	08:45:25,	0.000
12,	28 Oct,	08:55:25,	0.000
13,	28 Oct,	09:05:25,	0.000
14,	28 Oct,	09:15:25,	0.000
15,	28 Oct,	09:25:25,	0.000
16,	28 Oct,	09:35:25,	0.000
17,	28 Oct,	09:45:25,	0.000
18,	28 Oct,	09:55:25,	0.000
19,	28 Oct,	10:05:25,	0.000
20,	28 Oct,	10:15:25,	0.000
21,	28 Oct,	10:25:25,	0.000
22,	28 Oct,	10:35:25,	0.000
23,	28 Oct,	10:45:25,	0.000
24,	28 Oct,	10:55:25,	0.000
25,	28 Oct,	11:05:25,	0.000
26,	28 Oct,	11:15:25,	0.000
27,	28 Oct,	11:25:25,	0.000
28,	28 Oct,	11:35:25,	0.000
29,	28 Oct,	11:45:25,	0.000
30,	28 Oct,	11:55:25,	0.000
31,	28 Oct,	12:05:25,	0.000
32,	28 Oct,	12:15:25,	0.000
33,	28 Oct,	12:25:25,	0.000
34,	28 Oct,	12:35:25,	0.000
35,	28 Oct,	12:45:25,	0.000
36,	28 Oct,	12:55:25,	0.000
37,	28 Oct,	13:05:25,	0.000
38,	28 Oct,	13:15:25,	0.000
39,	28 Oct,	13:25:25,	0.000
40,	28 Oct,	13:35:25,	0.000
41,	28 Oct,	13:45:25,	0.000
42,	28 Oct,	13:55:25,	0.000
43,	28 Oct,	14:05:25,	0.000
44,	28 Oct,	14:15:25,	0.000
45,	28 Oct,	14:25:25,	0.000
46,	28 Oct,	14:35:25,	0.000
47,	28 Oct,	14:45:25,	0.000
48,	28 Oct,	14:55:25,	0.000
49,	28 Oct,	15:05:25,	0.000
50,	28 Oct,	15:15:25,	0.000
51,	28 Oct,	15:25:25,	0.000
52,	28 Oct,	15:35:25,	0.000
53,	28 Oct,	15:45:25,	0.000
54,	28 Oct,	15:55:25,	0.000
55,	28 Oct,	16:05:25,	0.000

56,	28 Oct,	16:15:25,	0.000
57,	28 Oct,	16:25:25,	0.000
58,	28 Oct,	16:35:25,	0.000
59,	28 Oct,	16:45:25,	0.000
60,	28 Oct,	16:55:25,	0.000
61,	28 Oct,	17:05:25,	0.000
62,	28 Oct,	17:15:25,	0.000
63,	28 Oct,	17:25:25,	0.000
64,	28 Oct,	17:35:25,	0.000
65,	28 Oct,	17:45:25,	0.000
66,	28 Oct,	17:55:25,	0.000
67,	28 Oct,	18:05:25,	0.000
68,	28 Oct,	18:15:25,	0.000
69,	28 Oct,	18:25:25,	0.001

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pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 30
Number of logged points: 68
Start time and date: 06:55:05 28-Oct
Elapsed time: 11:20:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.299 mg/m³
Time at maximum: 07:08:15 Oct 28
Max STEL Concentration: 0.001 mg/m³
Time at max STEL: 06:55:35 Oct 28
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	28 Oct,	07:05:05,	0.005
2,	28 Oct,	07:15:05,	0.038
3,	28 Oct,	07:25:05,	0.000
4,	28 Oct,	07:35:05,	0.000
5,	28 Oct,	07:45:05,	0.000
6,	28 Oct,	07:55:05,	0.000
7,	28 Oct,	08:05:05,	0.000
8,	28 Oct,	08:15:05,	0.000
9,	28 Oct,	08:25:05,	0.000
10,	28 Oct,	08:35:05,	0.000
11,	28 Oct,	08:45:05,	0.000
12,	28 Oct,	08:55:05,	0.000
13,	28 Oct,	09:05:05,	0.000
14,	28 Oct,	09:15:05,	0.000
15,	28 Oct,	09:25:05,	0.000
16,	28 Oct,	09:35:05,	0.000
17,	28 Oct,	09:45:05,	0.000
18,	28 Oct,	09:55:05,	0.000
19,	28 Oct,	10:05:05,	0.000
20,	28 Oct,	10:15:05,	0.000
21,	28 Oct,	10:25:05,	0.000
22,	28 Oct,	10:35:05,	0.000
23,	28 Oct,	10:45:05,	0.000
24,	28 Oct,	10:55:05,	0.000
25,	28 Oct,	11:05:05,	0.000
26,	28 Oct,	11:15:05,	0.000
27,	28 Oct,	11:25:05,	0.000
28,	28 Oct,	11:35:05,	0.000
29,	28 Oct,	11:45:05,	0.000
30,	28 Oct,	11:55:05,	0.000
31,	28 Oct,	12:05:05,	0.000
32,	28 Oct,	12:15:05,	0.000
33,	28 Oct,	12:25:05,	0.000
34,	28 Oct,	12:35:05,	0.000
35,	28 Oct,	12:45:05,	0.000
36,	28 Oct,	12:55:05,	0.000
37,	28 Oct,	13:05:05,	0.000
38,	28 Oct,	13:15:05,	0.000
39,	28 Oct,	13:25:05,	0.000
40,	28 Oct,	13:35:05,	0.000
41,	28 Oct,	13:45:05,	0.000
42,	28 Oct,	13:55:05,	0.000
43,	28 Oct,	14:05:05,	0.000
44,	28 Oct,	14:15:05,	0.000
45,	28 Oct,	14:25:05,	0.000
46,	28 Oct,	14:35:05,	0.000
47,	28 Oct,	14:45:05,	0.000
48,	28 Oct,	14:55:05,	0.000
49,	28 Oct,	15:05:05,	0.000
50,	28 Oct,	15:15:05,	0.000
51,	28 Oct,	15:25:05,	0.000
52,	28 Oct,	15:35:05,	0.000
53,	28 Oct,	15:45:05,	0.003
54,	28 Oct,	15:55:05,	0.000
55,	28 Oct,	16:05:05,	0.000

56,	28 Oct,	16:15:05,	0.000
57,	28 Oct,	16:25:05,	0.000
58,	28 Oct,	16:35:05,	0.000
59,	28 Oct,	16:45:05,	0.000
60,	28 Oct,	16:55:05,	0.000
61,	28 Oct,	17:05:05,	0.000
62,	28 Oct,	17:15:05,	0.000
63,	28 Oct,	17:25:05,	0.000
64,	28 Oct,	17:35:05,	0.001
65,	28 Oct,	17:45:05,	0.000
66,	28 Oct,	17:55:05,	0.000
67,	28 Oct,	18:05:05,	0.000
68,	28 Oct,	18:15:05,	0.000

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pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 31
Number of logged points: 70
Start time and date: 06:57:07 30-Oct
Elapsed time: 11:40:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 4.314 mg/m³
Time at maximum: 18:35:00 Oct 30
Max STEL Concentration: 3.151 mg/m³
Time at max STEL: 18:36:06 Oct 30
Overall Avg Conc: 0.359 mg/m³
Logged Data:

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Point,	Date	Time	Avg.(mg/m³)
1,	30 Oct,	07:07:07,	0.000
2,	30 Oct,	07:17:07,	0.000
3,	30 Oct,	07:27:07,	0.019
4,	30 Oct,	07:37:07,	0.185
5,	30 Oct,	07:47:07,	0.000
6,	30 Oct,	07:57:07,	0.000
7,	30 Oct,	08:07:07,	0.000
8,	30 Oct,	08:17:07,	0.000
9,	30 Oct,	08:27:07,	0.024
10,	30 Oct,	08:37:07,	0.037
11,	30 Oct,	08:47:07,	0.120
12,	30 Oct,	08:57:07,	0.094
13,	30 Oct,	09:07:07,	0.000
14,	30 Oct,	09:17:07,	0.000
15,	30 Oct,	09:27:07,	0.000
16,	30 Oct,	09:37:07,	0.000
17,	30 Oct,	09:47:07,	0.000
18,	30 Oct,	09:57:07,	0.000
19,	30 Oct,	10:07:07,	0.000
20,	30 Oct,	10:17:07,	0.000
21,	30 Oct,	10:27:07,	0.000
22,	30 Oct,	10:37:07,	0.000
23,	30 Oct,	10:47:07,	0.000
24,	30 Oct,	10:57:07,	0.000
25,	30 Oct,	11:07:07,	0.000
26,	30 Oct,	11:17:07,	0.000
27,	30 Oct,	11:27:07,	0.000
28,	30 Oct,	11:37:07,	0.000
29,	30 Oct,	11:47:07,	0.000
30,	30 Oct,	11:57:07,	0.000
31,	30 Oct,	12:07:07,	0.000
32,	30 Oct,	12:17:07,	0.000
33,	30 Oct,	12:27:07,	0.000
34,	30 Oct,	12:37:07,	0.000
35,	30 Oct,	12:47:07,	0.000
36,	30 Oct,	12:57:07,	0.000
37,	30 Oct,	13:07:07,	0.000
38,	30 Oct,	13:17:07,	0.000
39,	30 Oct,	13:27:07,	0.000
40,	30 Oct,	13:37:07,	0.000
41,	30 Oct,	13:47:07,	0.000
42,	30 Oct,	13:57:07,	0.003
43,	30 Oct,	14:07:07,	0.000
44,	30 Oct,	14:17:07,	0.014
45,	30 Oct,	14:27:07,	0.003
46,	30 Oct,	14:37:07,	0.001
47,	30 Oct,	14:47:07,	0.000
48,	30 Oct,	14:57:07,	0.003
49,	30 Oct,	15:07:07,	0.000
50,	30 Oct,	15:17:07,	0.000
51,	30 Oct,	15:27:07,	0.000
52,	30 Oct,	15:37:07,	0.000
53,	30 Oct,	15:47:07,	0.007
54,	30 Oct,	15:57:07,	0.000
55,	30 Oct,	16:07:07,	0.000

56,	30 Oct,	16:17:07,	0.000
57,	30 Oct,	16:27:07,	0.000
58,	30 Oct,	16:37:07,	0.000
59,	30 Oct,	16:47:07,	0.056
60,	30 Oct,	16:57:07,	1.041
61,	30 Oct,	17:07:07,	1.527
62,	30 Oct,	17:17:07,	1.458
63,	30 Oct,	17:27:07,	1.843
64,	30 Oct,	17:37:07,	2.075
65,	30 Oct,	17:47:07,	2.524
66,	30 Oct,	17:57:07,	2.402
67,	30 Oct,	18:07:07,	2.311
68,	30 Oct,	18:17:07,	3.058
69,	30 Oct,	18:27:07,	2.849
70,	30 Oct,	18:37:07,	3.179

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pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 33
Number of logged points: 66
Start time and date: 06:38:52 30-Oct
Elapsed time: 11:00:00
gging period (sec): 600
libration Factor (%): 100
Max Display Concentration: 0.149 mg/m³
Time at maximum: 07:03:14 Oct 30
Max STEL Concentration: 0.049 mg/m³
Time at max STEL: 07:07:53 Oct 30
Overall Avg Conc: 0.003 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	30 Oct,	06:48:52,	0.010
2,	30 Oct,	06:58:52,	0.044
3,	30 Oct,	07:08:52,	0.045
4,	30 Oct,	07:18:52,	0.005
5,	30 Oct,	07:28:52,	0.008
6,	30 Oct,	07:38:52,	0.008
7,	30 Oct,	07:48:52,	0.008
8,	30 Oct,	07:58:52,	0.009
9,	30 Oct,	08:08:52,	0.009
10,	30 Oct,	08:18:52,	0.008
11,	30 Oct,	08:28:52,	0.009
12,	30 Oct,	08:38:52,	0.009
13,	30 Oct,	08:48:52,	0.008
14,	30 Oct,	08:58:52,	0.012
15,	30 Oct,	09:08:52,	0.014
16,	30 Oct,	09:18:52,	0.007
17,	30 Oct,	09:28:52,	0.007
18,	30 Oct,	09:38:52,	0.006
19,	30 Oct,	09:48:52,	0.004
20,	30 Oct,	09:58:52,	0.008
21,	30 Oct,	10:08:52,	0.007
22,	30 Oct,	10:18:52,	0.007
23,	30 Oct,	10:28:52,	0.007
24,	30 Oct,	10:38:52,	0.010
25,	30 Oct,	10:48:52,	0.003
26,	30 Oct,	10:58:52,	0.003
27,	30 Oct,	11:08:52,	0.003
28,	30 Oct,	11:18:52,	0.002
29,	30 Oct,	11:28:52,	0.002
30,	30 Oct,	11:38:52,	0.002
31,	30 Oct,	11:48:52,	0.008
32,	30 Oct,	11:58:52,	0.002
33,	30 Oct,	12:08:52,	0.001
34,	30 Oct,	12:18:52,	0.001
35,	30 Oct,	12:28:52,	0.001
36,	30 Oct,	12:38:52,	0.001
37,	30 Oct,	12:48:52,	0.005
38,	30 Oct,	12:58:52,	0.012
39,	30 Oct,	13:08:52,	0.001
40,	30 Oct,	13:18:52,	0.001
41,	30 Oct,	13:28:52,	0.000
42,	30 Oct,	13:38:52,	0.000
43,	30 Oct,	13:48:52,	0.000
44,	30 Oct,	13:58:52,	0.000
45,	30 Oct,	14:08:52,	0.000
46,	30 Oct,	14:18:52,	0.000
47,	30 Oct,	14:28:52,	0.000
48,	30 Oct,	14:38:52,	0.000
49,	30 Oct,	14:48:52,	0.000
50,	30 Oct,	14:58:52,	0.000
51,	30 Oct,	15:08:52,	0.000
52,	30 Oct,	15:18:52,	0.014
53,	30 Oct,	15:28:52,	0.000
54,	30 Oct,	15:38:52,	0.000
55,	30 Oct,	15:48:52,	0.000

56,	30 Oct,	15:58:52,	0.000
57,	30 Oct,	16:08:52,	0.000
58,	30 Oct,	16:18:52,	0.000
59,	30 Oct,	16:28:52,	0.000
60,	30 Oct,	16:38:52,	0.000
61,	30 Oct,	16:48:52,	0.002
62,	30 Oct,	16:58:52,	0.003
63,	30 Oct,	17:08:52,	0.003
64,	30 Oct,	17:18:52,	0.007
65,	30 Oct,	17:28:52,	0.013
66,	30 Oct,	17:38:52,	0.012

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 31
Number of logged points: 67
Start time and date: 06:43:42 30-Oct
Elapsed time: 11:10:00
gging period (sec): 600
alibration Factor (%): 100
Max Display Concentration: 0.123 mg/m³
Time at maximum: 06:53:43 Oct 30
Max STEL Concentration: 0.015 mg/m³
Time at max STEL: 06:58:12 Oct 30
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	30 Oct	06:53:42	0.019
2	30 Oct	07:03:42	0.005
3	30 Oct	07:13:42	0.002
4	30 Oct	07:23:42	0.004
5	30 Oct	07:33:42	0.002
6	30 Oct	07:43:42	0.001
7	30 Oct	07:53:42	0.001
8	30 Oct	08:03:42	0.002
9	30 Oct	08:13:42	0.002
10	30 Oct	08:23:42	0.001
11	30 Oct	08:33:42	0.003
12	30 Oct	08:43:42	0.003
13	30 Oct	08:53:42	0.003
14	30 Oct	09:03:42	0.003
15	30 Oct	09:13:42	0.006
16	30 Oct	09:23:42	0.003
17	30 Oct	09:33:42	0.006
18	30 Oct	09:43:42	0.002
19	30 Oct	09:53:42	0.001
20	30 Oct	10:03:42	0.001
21	30 Oct	10:13:42	0.000
22	30 Oct	10:23:42	0.000
23	30 Oct	10:33:42	0.000
24	30 Oct	10:43:42	0.000
25	30 Oct	10:53:42	0.001
26	30 Oct	11:03:42	0.000
27	30 Oct	11:13:42	0.000
28	30 Oct	11:23:42	0.000
29	30 Oct	11:33:42	0.000
30	30 Oct	11:43:42	0.000
31	30 Oct	11:53:42	0.001
32	30 Oct	12:03:42	0.000
33	30 Oct	12:13:42	0.001
34	30 Oct	12:23:42	0.000
35	30 Oct	12:33:42	0.000
36	30 Oct	12:43:42	0.000
37	30 Oct	12:53:42	0.000
38	30 Oct	13:03:42	0.000
39	30 Oct	13:13:42	0.000
40	30 Oct	13:23:42	0.000
41	30 Oct	13:33:42	0.000
42	30 Oct	13:43:42	0.000
43	30 Oct	13:53:42	0.000
44	30 Oct	14:03:42	0.000
45	30 Oct	14:13:42	0.000
46	30 Oct	14:23:42	0.000
47	30 Oct	14:33:42	0.000
48	30 Oct	14:43:42	0.000
49	30 Oct	14:53:42	0.000
50	30 Oct	15:03:42	0.000
51	30 Oct	15:13:42	0.007
52	30 Oct	15:23:42	0.001
53	30 Oct	15:33:42	0.000
54	30 Oct	15:43:42	0.001
55	30 Oct	15:53:42	0.003

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 32
Number of logged points: 72
Start time and date: 06:13:29 31-Oct
Elapsed time: 12:00:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 4.000 mg/m³
Time at maximum: 08:02:02 Oct 31
Max STEL Concentration: 3.190 mg/m³
Time at max STEL: 08:05:29 Oct 31
Overall Avg Conc: 0.000 mg/m³
Logged Data:

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Point	Date	Time	Avg.(mg/m³)
1	31 Oct	06:23:29	0.237
2	31 Oct	06:33:29	0.165
3	31 Oct	06:43:29	0.003
4	31 Oct	06:53:29	0.000
5	31 Oct	07:03:29	0.000
6	31 Oct	07:13:29	0.000
7	31 Oct	07:23:29	0.000
8	31 Oct	07:33:29	0.204
9	31 Oct	07:43:29	1.711
10	31 Oct	07:53:29	2.555
11	31 Oct	08:03:29	3.280
12	31 Oct	08:13:29	2.205
13	31 Oct	08:23:29	0.621
14	31 Oct	08:33:29	0.001
15	31 Oct	08:43:29	0.000
16	31 Oct	08:53:29	0.000
17	31 Oct	09:03:29	0.000
18	31 Oct	09:13:29	0.000
19	31 Oct	09:23:29	0.000
20	31 Oct	09:33:29	0.000
21	31 Oct	09:43:29	0.011
22	31 Oct	09:53:29	0.013
23	31 Oct	10:03:29	0.036
24	31 Oct	10:13:29	0.188
25	31 Oct	10:23:29	0.073
26	31 Oct	10:33:29	0.100
27	31 Oct	10:43:29	0.484
28	31 Oct	10:53:29	0.657
29	31 Oct	11:03:29	0.868
30	31 Oct	11:13:29	1.204
31	31 Oct	11:23:29	1.038
32	31 Oct	11:33:29	0.623
33	31 Oct	11:43:29	1.041
34	31 Oct	11:53:29	0.761
35	31 Oct	12:03:29	0.469
36	31 Oct	12:13:29	0.143
37	31 Oct	12:23:29	0.365
38	31 Oct	12:33:29	0.194
39	31 Oct	12:43:29	0.338
40	31 Oct	12:53:29	0.168
41	31 Oct	13:03:29	0.162
42	31 Oct	13:13:29	0.266
43	31 Oct	13:23:29	0.439
44	31 Oct	13:33:29	0.288
45	31 Oct	13:43:29	0.055
46	31 Oct	13:53:29	0.045
47	31 Oct	14:03:29	0.132
48	31 Oct	14:13:29	0.157
49	31 Oct	14:23:29	0.188
50	31 Oct	14:33:29	0.080
51	31 Oct	14:43:29	0.019
52	31 Oct	14:53:29	0.039
53	31 Oct	15:03:29	0.009
54	31 Oct	15:13:29	0.014
55	31 Oct	15:23:29	0.008

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56,	31 Oct,	15:33:29,	0.002
57,	31 Oct,	15:43:29,	0.000
58,	31 Oct,	15:53:29,	0.000
59,	31 Oct,	16:03:29,	0.003
60,	31 Oct,	16:13:29,	0.010
61,	31 Oct,	16:23:29,	0.000
62,	31 Oct,	16:33:29,	0.000
63,	31 Oct,	16:43:29,	0.000
64,	31 Oct,	16:53:29,	0.000
65,	31 Oct,	17:03:29,	0.000
66,	31 Oct,	17:13:29,	0.003
67,	31 Oct,	17:23:29,	0.000
68,	31 Oct,	17:33:29,	0.000
69,	31 Oct,	17:43:29,	0.000
70,	31 Oct,	17:53:29,	0.000
71,	31 Oct,	18:03:29,	0.000
72,	31 Oct,	18:13:29,	0.000

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 34
Number of logged points: 72
Start time and date: 06:11:42 31-Oct
Elapsed time: 12:00:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.301 mg/m³
Time at maximum: 18:17:20 Oct 31
Max STEL Concentration: 0.097 mg/m³
Time at max STEL: 18:19:13 Oct 31
Overall Avg Conc: 0.006 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	31 Oct,	06:21:42,	0.029
2,	31 Oct,	06:31:42,	0.013
3,	31 Oct,	06:41:42,	0.020
4,	31 Oct,	06:51:42,	0.025
5,	31 Oct,	07:01:42,	0.026
6,	31 Oct,	07:11:42,	0.011
7,	31 Oct,	07:21:42,	0.010
8,	31 Oct,	07:31:42,	0.007
9,	31 Oct,	07:41:42,	0.005
10,	31 Oct,	07:51:42,	0.004
11,	31 Oct,	08:01:42,	0.002
12,	31 Oct,	08:11:42,	0.005
13,	31 Oct,	08:21:42,	0.016
14,	31 Oct,	08:31:42,	0.023
15,	31 Oct,	08:41:42,	0.013
16,	31 Oct,	08:51:42,	0.009
17,	31 Oct,	09:01:42,	0.008
18,	31 Oct,	09:11:42,	0.007
19,	31 Oct,	09:21:42,	0.006
20,	31 Oct,	09:31:42,	0.005
21,	31 Oct,	09:41:42,	0.003
22,	31 Oct,	09:51:42,	0.002
23,	31 Oct,	10:01:42,	0.004
24,	31 Oct,	10:11:42,	0.002
25,	31 Oct,	10:21:42,	0.002
26,	31 Oct,	10:31:42,	0.002
27,	31 Oct,	10:41:42,	0.001
28,	31 Oct,	10:51:42,	0.002
29,	31 Oct,	11:01:42,	0.000
30,	31 Oct,	11:11:42,	0.000
31,	31 Oct,	11:21:42,	0.002
32,	31 Oct,	11:31:42,	0.001
33,	31 Oct,	11:41:42,	0.014
34,	31 Oct,	11:51:42,	0.002
35,	31 Oct,	12:01:42,	0.003
36,	31 Oct,	12:11:42,	0.006
37,	31 Oct,	12:21:42,	0.002
38,	31 Oct,	12:31:42,	0.002
39,	31 Oct,	12:41:42,	0.001
40,	31 Oct,	12:51:42,	0.002
41,	31 Oct,	13:01:42,	0.002
42,	31 Oct,	13:11:42,	0.002
43,	31 Oct,	13:21:42,	0.000
44,	31 Oct,	13:31:42,	0.000
45,	31 Oct,	13:41:42,	0.000
46,	31 Oct,	13:51:42,	0.001
47,	31 Oct,	14:01:42,	0.000
48,	31 Oct,	14:11:42,	0.002
49,	31 Oct,	14:21:42,	0.003
50,	31 Oct,	14:31:42,	0.002
51,	31 Oct,	14:41:42,	0.002
52,	31 Oct,	14:51:42,	0.002
53,	31 Oct,	15:01:42,	0.002
54,	31 Oct,	15:11:42,	0.003
55,	31 Oct,	15:21:42,	0.003

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56,	31 Oct,	15:31:42,	0.001
57,	31 Oct,	15:41:42,	0.000
58,	31 Oct,	15:51:42,	0.000
59,	31 Oct,	16:01:42,	0.002
60,	31 Oct,	16:11:42,	0.002
61,	31 Oct,	16:21:42,	0.001
62,	31 Oct,	16:31:42,	0.000
63,	31 Oct,	16:41:42,	0.000
64,	31 Oct,	16:51:42,	0.000
65,	31 Oct,	17:01:42,	0.001
66,	31 Oct,	17:11:42,	0.002
67,	31 Oct,	17:21:42,	0.003
68,	31 Oct,	17:31:42,	0.000
69,	31 Oct,	17:41:42,	0.013
70,	31 Oct,	17:51:42,	0.022
71,	31 Oct,	18:01:42,	0.072
72,	31 Oct,	18:11:42,	0.082

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 32
Number of logged points: 73
Start time and date: 06:12:30 31-Oct
Elapsed time: 12:10:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.207 mg/m³
Time at maximum: 18:30:17 Oct 31
Max STEL Concentration: 0.083 mg/m³
Time at max STEL: 08:29:30 Oct 31
Overall Avg Conc: 0.002 mg/m³
Logged Data:

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Point,	Date	Time	Avg.(mg/m³)
1,	31 Oct,	06:22:30,	0.022
2,	31 Oct,	06:32:30,	0.017
3,	31 Oct,	06:42:30,	0.006
4,	31 Oct,	06:52:30,	0.015
5,	31 Oct,	07:02:30,	0.018
6,	31 Oct,	07:12:30,	0.016
7,	31 Oct,	07:22:30,	0.023
8,	31 Oct,	07:32:30,	0.025
9,	31 Oct,	07:42:30,	0.029
10,	31 Oct,	07:52:30,	0.038
11,	31 Oct,	08:02:30,	0.048
12,	31 Oct,	08:12:30,	0.082
13,	31 Oct,	08:22:30,	0.075
14,	31 Oct,	08:32:30,	0.074
15,	31 Oct,	08:42:30,	0.018
16,	31 Oct,	08:52:30,	0.040
17,	31 Oct,	09:02:30,	0.007
18,	31 Oct,	09:12:30,	0.006
19,	31 Oct,	09:22:30,	0.002
20,	31 Oct,	09:32:30,	0.001
21,	31 Oct,	09:42:30,	0.003
22,	31 Oct,	09:52:30,	0.000
23,	31 Oct,	10:02:30,	0.002
24,	31 Oct,	10:12:30,	0.000
25,	31 Oct,	10:22:30,	0.000
26,	31 Oct,	10:32:30,	0.003
27,	31 Oct,	10:42:30,	0.001
28,	31 Oct,	10:52:30,	0.001
29,	31 Oct,	11:02:30,	0.001
30,	31 Oct,	11:12:30,	0.000
31,	31 Oct,	11:22:30,	0.000
32,	31 Oct,	11:32:30,	0.001
33,	31 Oct,	11:42:30,	0.003
34,	31 Oct,	11:52:30,	0.000
35,	31 Oct,	12:02:30,	0.000
36,	31 Oct,	12:12:30,	0.001
37,	31 Oct,	12:22:30,	0.000
38,	31 Oct,	12:32:30,	0.000
39,	31 Oct,	12:42:30,	0.004
40,	31 Oct,	12:52:30,	0.003
41,	31 Oct,	13:02:30,	0.001
42,	31 Oct,	13:12:30,	0.000
43,	31 Oct,	13:22:30,	0.001
44,	31 Oct,	13:32:30,	0.000
45,	31 Oct,	13:42:30,	0.000
46,	31 Oct,	13:52:30,	0.000
47,	31 Oct,	14:02:30,	0.001
48,	31 Oct,	14:12:30,	0.000
49,	31 Oct,	14:22:30,	0.000
50,	31 Oct,	14:32:30,	0.000
51,	31 Oct,	14:42:30,	0.000
52,	31 Oct,	14:52:30,	0.000
53,	31 Oct,	15:02:30,	0.000
54,	31 Oct,	15:12:30,	0.001
55,	31 Oct,	15:22:30,	0.000

56,	31 Oct,	15:32:30,	0.000
57,	31 Oct,	15:42:30,	0.000
58,	31 Oct,	15:52:30,	0.000
59,	31 Oct,	16:02:30,	0.000
60,	31 Oct,	16:12:30,	0.000
61,	31 Oct,	16:22:30,	0.000
62,	31 Oct,	16:32:30,	0.000
63,	31 Oct,	16:42:30,	0.000
64,	31 Oct,	16:52:30,	0.003
65,	31 Oct,	17:02:30,	0.002
66,	31 Oct,	17:12:30,	0.001
67,	31 Oct,	17:22:30,	0.001
68,	31 Oct,	17:32:30,	0.001
69,	31 Oct,	17:42:30,	0.000
70,	31 Oct,	17:52:30,	0.020
71,	31 Oct,	18:02:30,	0.046
72,	31 Oct,	18:12:30,	0.003
73,	31 Oct,	18:22:30,	0.010

pDR-1000
User ID: Tantara_3091_Upwind1
Tag Number: 33
Number of logged points: 72
Start time and date: 06:38:00 01-Nov
Elapsed time: 12:00:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 3.638 mg/m³
Time at maximum: 09:41:10 Nov 01
Max STEL Concentration: 2.818 mg/m³
Time at max STEL: 09:49:00 Nov 01
Overall Avg Conc: 0.949 mg/m³
Logged Data:

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Point	Date	Time	Avg.(mg/m³)
1	01 Nov	06:48:00	0.001
2	01 Nov	06:58:00	0.001
3	01 Nov	07:08:00	0.000
4	01 Nov	07:18:00	0.000
5	01 Nov	07:28:00	0.006
6	01 Nov	07:38:00	0.044
7	01 Nov	07:48:00	0.386
8	01 Nov	07:58:00	0.890
9	01 Nov	08:08:00	0.421
10	01 Nov	08:18:00	0.692
11	01 Nov	08:28:00	0.694
12	01 Nov	08:38:00	0.759
13	01 Nov	08:48:00	0.763
14	01 Nov	08:58:00	0.825
15	01 Nov	09:08:00	0.875
16	01 Nov	09:18:00	0.921
17	01 Nov	09:28:00	1.702
18	01 Nov	09:38:00	2.554
19	01 Nov	09:48:00	2.779
20	01 Nov	09:58:00	2.432
21	01 Nov	10:08:00	2.541
22	01 Nov	10:18:00	2.405
23	01 Nov	10:28:00	1.955
24	01 Nov	10:38:00	2.239
25	01 Nov	10:48:00	2.507
26	01 Nov	10:58:00	2.893
27	01 Nov	11:08:00	1.928
28	01 Nov	11:18:00	1.865
29	01 Nov	11:28:00	1.950
30	01 Nov	11:38:00	1.832
31	01 Nov	11:48:00	1.900
32	01 Nov	11:58:00	1.744
33	01 Nov	12:08:00	1.731
34	01 Nov	12:18:00	1.462
35	01 Nov	12:28:00	1.514
36	01 Nov	12:38:00	1.673
37	01 Nov	12:48:00	1.517
38	01 Nov	12:58:00	1.389
39	01 Nov	13:08:00	0.983
40	01 Nov	13:18:00	0.651
41	01 Nov	13:28:00	0.926
42	01 Nov	13:38:00	0.978
43	01 Nov	13:48:00	0.731
44	01 Nov	13:58:00	0.465
45	01 Nov	14:08:00	0.335
46	01 Nov	14:18:00	0.708
47	01 Nov	14:28:00	0.561
48	01 Nov	14:38:00	0.464
49	01 Nov	14:48:00	0.389
50	01 Nov	14:58:00	0.432
51	01 Nov	15:08:00	0.422
52	01 Nov	15:18:00	0.396
53	01 Nov	15:28:00	0.254
54	01 Nov	15:38:00	0.181
55	01 Nov	15:48:00	0.310

56,	01 Nov,	15:58:00,	0.234
57,	01 Nov,	16:08:00,	0.120
58,	01 Nov,	16:18:00,	0.148
59,	01 Nov,	16:28:00,	0.217
60,	01 Nov,	16:38:00,	0.200
61,	01 Nov,	16:48:00,	0.191
62,	01 Nov,	16:58:00,	0.162
63,	01 Nov,	17:08:00,	0.230
64,	01 Nov,	17:18:00,	0.673
65,	01 Nov,	17:28:00,	0.575
66,	01 Nov,	17:38:00,	0.510
67,	01 Nov,	17:48:00,	0.413
68,	01 Nov,	17:58:00,	0.441
69,	01 Nov,	18:08:00,	0.809
70,	01 Nov,	18:18:00,	1.283
71,	01 Nov,	18:28:00,	0.906
72,	01 Nov,	18:38:00,	1.995

pDR-1000 S/N: 04450
User ID: Tantara_9191_Downwind2
Tag Number: 35
Number of logged points: 73
Start time and date: 06:21:59 01-Nov
Elapsed time: 12:10:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.161 mg/m³
Time at maximum: 12:47:50 Nov 01
Max STEL Concentration: 0.024 mg/m³
Time at max STEL: 18:19:00 Nov 01
Overall Avg Conc: 0.002 mg/m³
Logged Data:

20

Point	Date	Time	Avg.(mg/m³)
1	01 Nov	06:31:59	0.022
2	01 Nov	06:41:59	0.000
3	01 Nov	06:51:59	0.000
4	01 Nov	07:01:59	0.000
5	01 Nov	07:11:59	0.001
6	01 Nov	07:21:59	0.001
7	01 Nov	07:31:59	0.001
8	01 Nov	07:41:59	0.001
9	01 Nov	07:51:59	0.001
10	01 Nov	08:01:59	0.000
11	01 Nov	08:11:59	0.001
12	01 Nov	08:21:59	0.001
13	01 Nov	08:31:59	0.003
14	01 Nov	08:41:59	0.001
15	01 Nov	08:51:59	0.002
16	01 Nov	09:01:59	0.001
17	01 Nov	09:11:59	0.000
18	01 Nov	09:21:59	0.000
19	01 Nov	09:31:59	0.000
20	01 Nov	09:41:59	0.000
21	01 Nov	09:51:59	0.000
22	01 Nov	10:01:59	0.000
23	01 Nov	10:11:59	0.000
24	01 Nov	10:21:59	0.007
25	01 Nov	10:31:59	0.000
26	01 Nov	10:41:59	0.000
27	01 Nov	10:51:59	0.000
28	01 Nov	11:01:59	0.000
29	01 Nov	11:11:59	0.001
30	01 Nov	11:21:59	0.000
31	01 Nov	11:31:59	0.000
32	01 Nov	11:41:59	0.000
33	01 Nov	11:51:59	0.000
34	01 Nov	12:01:59	0.000
35	01 Nov	12:11:59	0.000
36	01 Nov	12:21:59	0.000
37	01 Nov	12:31:59	0.000
38	01 Nov	12:41:59	0.000
39	01 Nov	12:51:59	0.015
40	01 Nov	13:01:59	0.000
41	01 Nov	13:11:59	0.000
42	01 Nov	13:21:59	0.000
43	01 Nov	13:31:59	0.000
44	01 Nov	13:41:59	0.000
45	01 Nov	13:51:59	0.000
46	01 Nov	14:01:59	0.000
47	01 Nov	14:11:59	0.006
48	01 Nov	14:21:59	0.000
49	01 Nov	14:31:59	0.000
50	01 Nov	14:41:59	0.000
51	01 Nov	14:51:59	0.000
52	01 Nov	15:01:59	0.000
53	01 Nov	15:11:59	0.005
54	01 Nov	15:21:59	0.000
55	01 Nov	15:31:59	0.001

56,	01	Nov,	15:41:59,	0.000
57,	01	Nov,	15:51:59,	0.001
58,	01	Nov,	16:01:59,	0.013
59,	01	Nov,	16:11:59,	0.015
60,	01	Nov,	16:21:59,	0.016
61,	01	Nov,	16:31:59,	0.016
62,	01	Nov,	16:41:59,	0.019
63,	01	Nov,	16:51:59,	0.018
64,	01	Nov,	17:01:59,	0.017
65,	01	Nov,	17:11:59,	0.015
66,	01	Nov,	17:21:59,	0.008
67,	01	Nov,	17:31:59,	0.003
68,	01	Nov,	17:41:59,	0.001
69,	01	Nov,	17:51:59,	0.000
70,	01	Nov,	18:01:59,	0.000
71,	01	Nov,	18:11:59,	0.019
72,	01	Nov,	18:21:59,	0.023
73,	01	Nov,	18:31:59,	0.008

pDR-1000 S/N: 04453
User ID: Tantara_9189_Downwind3
Tag Number: 33
Number of logged points: 74
Start time and date: 06:21:08 01-Nov
Elapsed time: 12:20:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.657 mg/m³
Time at maximum: 18:16:24 Nov 01
Max STEL Concentration: 0.050 mg/m³
Time at max STEL: 18:26:10 Nov 01
Overall Avg Conc: 0.003 mg/m³
Logged Data:

22

Point	Date	Time	Avg.(mg/m³)
1	01 Nov	06:31:08	0.024
2	01 Nov	06:41:08	0.001
3	01 Nov	06:51:08	0.000
4	01 Nov	07:01:08	0.000
5	01 Nov	07:11:08	0.001
6	01 Nov	07:21:08	0.002
7	01 Nov	07:31:08	0.004
8	01 Nov	07:41:08	0.002
9	01 Nov	07:51:08	0.007
10	01 Nov	08:01:08	0.017
11	01 Nov	08:11:08	0.004
12	01 Nov	08:21:08	0.004
13	01 Nov	08:31:08	0.007
14	01 Nov	08:41:08	0.005
15	01 Nov	08:51:08	0.002
16	01 Nov	09:01:08	0.001
17	01 Nov	09:11:08	0.001
18	01 Nov	09:21:08	0.000
19	01 Nov	09:31:08	0.000
20	01 Nov	09:41:08	0.000
21	01 Nov	09:51:08	0.001
22	01 Nov	10:01:08	0.001
23	01 Nov	10:11:08	0.001
24	01 Nov	10:21:08	0.010
25	01 Nov	10:31:08	0.000
26	01 Nov	10:41:08	0.002
27	01 Nov	10:51:08	0.004
28	01 Nov	11:01:08	0.001
29	01 Nov	11:11:08	0.001
30	01 Nov	11:21:08	0.001
31	01 Nov	11:31:08	0.000
32	01 Nov	11:41:08	0.002
33	01 Nov	11:51:08	0.000
34	01 Nov	12:01:08	0.000
35	01 Nov	12:11:08	0.002
36	01 Nov	12:21:08	0.000
37	01 Nov	12:31:08	0.001
38	01 Nov	12:41:08	0.000
39	01 Nov	12:51:08	0.010
40	01 Nov	13:01:08	0.002
41	01 Nov	13:11:08	0.000
42	01 Nov	13:21:08	0.001
43	01 Nov	13:31:08	0.000
44	01 Nov	13:41:08	0.001
45	01 Nov	13:51:08	0.026
46	01 Nov	14:01:08	0.006
47	01 Nov	14:11:08	0.003
48	01 Nov	14:21:08	0.001
49	01 Nov	14:31:08	0.001
50	01 Nov	14:41:08	0.000
51	01 Nov	14:51:08	0.003
52	01 Nov	15:01:08	0.006
53	01 Nov	15:11:08	0.006
54	01 Nov	15:21:08	0.001
55	01 Nov	15:31:08	0.005

56,	01 Nov,	15:41:08,	0.000
57,	01 Nov,	15:51:08,	0.003
58,	01 Nov,	16:01:08,	0.013
59,	01 Nov,	16:11:08,	0.018
60,	01 Nov,	16:21:08,	0.017
61,	01 Nov,	16:31:08,	0.021
62,	01 Nov,	16:41:08,	0.021
63,	01 Nov,	16:51:08,	0.022
64,	01 Nov,	17:01:08,	0.021
65,	01 Nov,	17:11:08,	0.019
66,	01 Nov,	17:21:08,	0.013
67,	01 Nov,	17:31:08,	0.007
68,	01 Nov,	17:41:08,	0.003
69,	01 Nov,	17:51:08,	0.002
70,	01 Nov,	18:01:08,	0.001
71,	01 Nov,	18:11:08,	0.002
72,	01 Nov,	18:21:08,	0.074
73,	01 Nov,	18:31:08,	0.011
74,	01 Nov,	18:41:08,	0.001

NN 11/19/2003

TANTARA CORPORATION

November 14, 2003

Mr. Neil Thurber
Metcalf and Eddy
701 Edgewater Drive
Wakefield, MA 01880

Subject: **Pownal Tannery Superfund Site, Pownal, VT**
Subcontract # 3600100149, W/A # 150-RARA-01N9
EPA Response Action Contract No. 68-W6-0042

Re: **Perimeter Air Monitoring and Dust Control**
Report #8 for w/e November 08, 2003

Dear Mr. Thurber:

Referencing Section 01130 Perimeter Air Monitoring and Dust Control Plan of the Contract Documents and our Perimeter Air Monitoring & Dust Control Plan dated August 20, 2003, TANTARA Corporation (TANTARA) submits this final weekly report for the week ending November 08, 2003. All backfilling work was completed on November 05, 2003.

Sampling Procedures

Air monitoring was performed continuously during work activities. In general, the air monitoring stations were installed at 0630, 30 minutes before the start of work activities. The air monitoring concluded 60 minutes after construction activities concluded. The locations of the air monitoring stations were consistent with the plan presented in the Perimeter Air Monitoring & Dust Control Plan. The station identification numbers and locations are summarized below.

Sample	Station ID	Location
Upwind Station	Tantara_3091_Upwind1	Southwest of Lagoon 5
Downwind Station	Tantara_9191_Downwind2	Northeast of Lagoon 2
Downwind Station	Tantara_9189_Downwind3	East of Lagoon 1

The air monitoring stations were mounted on a visibility posts and were installed approximately four (4) feet above the ground elevation. The locations were chosen to promote unrestricted air flow. The air monitoring date was obtained utilizing a MIE pDR-1000AN direct reading instrument. Measurements were conducted at one minute intervals and calculations and recordings were of a 10-minute time weighed average.

Calibration Procedures

All three (3) instruments were factory calibrated in accordance with manufactures recommendations. In addition, a field calibration was performed to zero the instrument. During the two (2) minute pre-run automatic zeroing sequence, the instrument registers its own optical background, stores that level in its memory, and then subtracts from background values.

14 Fall River Avenue Rehoboth, Massachusetts 02769 voice (508) 336-9622 facsimile (508) 336-9624

Summary of Meteorological Data

Monday – November 03, 2003	Morning	Afternoon
Temperature	48 F	55 F
Relative Humidity	88 %	89 %
Wind Direction	Variable	Variable
Wind Speed	1 - 2 mph	1 – 2 mph
Weather Conditions	Rain	Rain

Tuesday – November 04, 2003	Morning	Afternoon
Temperature	40 F	50 F
Relative Humidity	78 %	83 %
Wind Direction	Calm	Calm
Wind Speed	0 mph	0 mph
Weather Conditions	Overcast	Overcast

Wednesday – November 05, 2003	Morning	Afternoon
Temperature	39 F	52 F
Relative Humidity	90 %	92 %
Wind Direction	S / SE	S / SE
Wind Speed	0.5 – 2.5 mph	2.0 – 2.5 mph
Weather Conditions	Heavy Rain	Heavy Rain

Contaminant Levels

The upwind station recorded elevated concentrations on all three (3) days during the monitoring. However, the downwind stations did not report any exceedences. It is believed that rain and moisture have affected the sensor in the downwind station.

If you should have any questions or desire any additional information, please do not hesitate to contact this office.

Sincerely,

Christopher Pereira
Project Manager

Encl. Air monitoring data

Cc. J. Bajgar

User ID: Tantara_3091_Upwind1
Tag Number: 34
Number of logged points: 62
Start time and date: 07:07:17 03-Nov
Elapsed time: 10:20:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 19.827 mg/m³
Time at maximum: 08:40:35 Nov 03
Max STEL Concentration: 4.118 mg/m³
Time at max STEL: 08:54:47 Nov 03
Overall Avg Conc: 0.090 mg/m³
Logged Data:

Point,	Date	Time	Avg.(mg/m³)
1,	03 Nov,	07:17:17,	0.030
2,	03 Nov,	07:27:17,	0.000
3,	03 Nov,	07:37:17,	0.000
4,	03 Nov,	07:47:17,	0.028
5,	03 Nov,	07:57:17,	0.382
6,	03 Nov,	08:07:17,	0.284
7,	03 Nov,	08:17:17,	0.705
8,	03 Nov,	08:27:17,	1.509
9,	03 Nov,	08:37:17,	0.961
10,	03 Nov,	08:47:17,	3.884
11,	03 Nov,	08:57:17,	3.311
12,	03 Nov,	09:07:17,	1.772
13,	03 Nov,	09:17:17,	0.804
14,	03 Nov,	09:27:17,	0.001
15,	03 Nov,	09:37:17,	0.000
16,	03 Nov,	09:47:17,	0.000
17,	03 Nov,	09:57:17,	0.000
18,	03 Nov,	10:07:17,	0.000
19,	03 Nov,	10:17:17,	0.000
20,	03 Nov,	10:27:17,	0.000
21,	03 Nov,	10:37:17,	0.000
22,	03 Nov,	10:47:17,	0.011
23,	03 Nov,	10:57:17,	0.086
24,	03 Nov,	11:07:17,	0.005
25,	03 Nov,	11:17:17,	0.000
26,	03 Nov,	11:27:17,	0.003
27,	03 Nov,	11:37:17,	0.007
28,	03 Nov,	11:47:17,	0.018
29,	03 Nov,	11:57:17,	0.062
30,	03 Nov,	12:07:17,	0.060
31,	03 Nov,	12:17:17,	0.134
32,	03 Nov,	12:27:17,	0.085
33,	03 Nov,	12:37:17,	0.000
34,	03 Nov,	12:47:17,	0.000
35,	03 Nov,	12:57:17,	0.000
36,	03 Nov,	13:07:17,	0.000
37,	03 Nov,	13:17:17,	0.000
38,	03 Nov,	13:27:17,	0.000
39,	03 Nov,	13:37:17,	0.000
40,	03 Nov,	13:47:17,	0.009
41,	03 Nov,	13:57:17,	0.002
42,	03 Nov,	14:07:17,	0.000
43,	03 Nov,	14:17:17,	0.001
44,	03 Nov,	14:27:17,	0.002
45,	03 Nov,	14:37:17,	0.017
46,	03 Nov,	14:47:17,	0.008
47,	03 Nov,	14:57:17,	0.002
48,	03 Nov,	15:07:17,	0.005
49,	03 Nov,	15:17:17,	0.002
50,	03 Nov,	15:27:17,	0.000
51,	03 Nov,	15:37:17,	0.147
52,	03 Nov,	15:47:17,	0.057
53,	03 Nov,	15:57:17,	0.009
54,	03 Nov,	16:07:17,	0.113
55,	03 Nov,	16:17:17,	0.004

57, 03 Nov, 16:37:17, 0.483
58, 03 Nov, 16:47:17, 0.756
59, 03 Nov, 16:57:17, 0.535
60, 03 Nov, 17:07:17, 0.571
61, 03 Nov, 17:17:17, 0.821
62, 03 Nov, 17:27:17, 1.364

User ID: Tantara_9191_Downwind2
Tag Number: 36
Number of logged points: 30
Start time and date: 07:08:42 03-Nov
Elapsed time: 05:00:00
[illegible]qing period (sec): 600
[illegible]ibration Factor (%): 100
Max Display Concentration: 0.020 mg/m³
Time at maximum: 07:48:17 Nov 03
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 07:08:42 Nov 03
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	03 Nov,	07:18:42,	0.003
2,	03 Nov,	07:28:42,	0.000
3,	03 Nov,	07:38:42,	0.000
4,	03 Nov,	07:48:42,	0.001
5,	03 Nov,	07:58:42,	0.000
6,	03 Nov,	08:08:42,	0.000
7,	03 Nov,	08:18:42,	0.000
8,	03 Nov,	08:28:42,	0.000
9,	03 Nov,	08:38:42,	0.000
10,	03 Nov,	08:48:42,	0.000
11,	03 Nov,	08:58:42,	0.000
12,	03 Nov,	09:08:42,	0.000
13,	03 Nov,	09:18:42,	0.001
14,	03 Nov,	09:28:42,	0.000
15,	03 Nov,	09:38:42,	0.000
16,	03 Nov,	09:48:42,	0.000
17,	03 Nov,	09:58:42,	0.000
18,	03 Nov,	10:08:42,	0.000
19,	03 Nov,	10:18:42,	0.001
20,	03 Nov,	10:28:42,	0.000
21,	03 Nov,	10:38:42,	0.000
22,	03 Nov,	10:48:42,	0.000
23,	03 Nov,	10:58:42,	0.000
24,	03 Nov,	11:08:42,	0.000
25,	03 Nov,	11:18:42,	0.000
26,	03 Nov,	11:28:42,	0.000
27,	03 Nov,	11:38:42,	0.000
28,	03 Nov,	11:48:42,	0.000
29,	03 Nov,	11:58:42,	0.000
30,	03 Nov,	12:08:42,	0.000

User ID: Tantara_9189_Downwind3
Tag Number: 34
Number of logged points: 31
Start time and date: 07:08:00 03-Nov
Elapsed time: 05:10:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.065 mg/m³
Time at maximum: 12:26:08 Nov 03
Max STEL Concentration: 0.016 mg/m³
Time at max STEL: 08:35:01 Nov 03
Overall Avg Conc: 0.007 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	03 Nov,	07:18:00,	0.013
2,	03 Nov,	07:28:00,	0.000
3,	03 Nov,	07:38:00,	0.000
4,	03 Nov,	07:48:00,	0.004
5,	03 Nov,	07:58:00,	0.015
6,	03 Nov,	08:08:00,	0.011
7,	03 Nov,	08:18:00,	0.010
8,	03 Nov,	08:28:00,	0.016
9,	03 Nov,	08:38:00,	0.015
10,	03 Nov,	08:48:00,	0.012
11,	03 Nov,	08:58:00,	0.010
12,	03 Nov,	09:08:00,	0.009
13,	03 Nov,	09:18:00,	0.011
14,	03 Nov,	09:28:00,	0.015
15,	03 Nov,	09:38:00,	0.006
16,	03 Nov,	09:48:00,	0.004
17,	03 Nov,	09:58:00,	0.005
18,	03 Nov,	10:08:00,	0.003
19,	03 Nov,	10:18:00,	0.001
20,	03 Nov,	10:28:00,	0.003
21,	03 Nov,	10:38:00,	0.002
22,	03 Nov,	10:48:00,	0.003
23,	03 Nov,	10:58:00,	0.006
24,	03 Nov,	11:08:00,	0.005
25,	03 Nov,	11:18:00,	0.004
26,	03 Nov,	11:28:00,	0.003
27,	03 Nov,	11:38:00,	0.003
28,	03 Nov,	11:48:00,	0.005
29,	03 Nov,	11:58:00,	0.006
30,	03 Nov,	12:08:00,	0.012
31,	03 Nov,	12:18:00,	0.012

User ID: Tantara_3091_Upwind1
Tag Number: 35
Number of logged points: 67
Start time and date: 06:27:46 04-Nov
Elapsed time: 11:10:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 9.404 mg/m³
Time at maximum: 17:32:53 Nov 04
Max STEL Concentration: 7.921 mg/m³
Time at max STEL: 16:39:46 Nov 04
Overall Avg Conc: 5.312 mg/m³
Logged Data:

Point	Date	Time	Avg. (mg/m³)
1	04 Nov	06:37:46	0.207
2	04 Nov	06:47:46	0.049
3	04 Nov	06:57:46	0.000
4	04 Nov	07:07:46	0.000
5	04 Nov	07:17:46	0.000
6	04 Nov	07:27:46	0.000
7	04 Nov	07:37:46	0.584
8	04 Nov	07:47:46	4.100
9	04 Nov	07:57:46	5.910
10	04 Nov	08:07:46	5.440
11	04 Nov	08:17:46	5.940
12	04 Nov	08:27:46	5.930
13	04 Nov	08:37:46	5.890
14	04 Nov	08:47:46	6.120
15	04 Nov	08:57:46	5.870
16	04 Nov	09:07:46	6.090
17	04 Nov	09:17:46	5.860
18	04 Nov	09:27:46	6.560
19	04 Nov	09:37:46	6.380
20	04 Nov	09:47:46	6.160
21	04 Nov	09:57:46	6.220
22	04 Nov	10:07:46	6.000
23	04 Nov	10:17:46	6.340
24	04 Nov	10:27:46	5.750
25	04 Nov	10:37:46	5.690
26	04 Nov	10:47:46	5.430
27	04 Nov	10:57:46	5.680
28	04 Nov	11:07:46	5.630
29	04 Nov	11:17:46	6.050
30	04 Nov	11:27:46	6.550
31	04 Nov	11:37:46	5.760
32	04 Nov	11:47:46	4.740
33	04 Nov	11:57:46	4.240
34	04 Nov	12:07:46	4.630
35	04 Nov	12:17:46	4.430
36	04 Nov	12:27:46	3.259
37	04 Nov	12:37:46	4.210
38	04 Nov	12:47:46	4.600
39	04 Nov	12:57:46	4.570
40	04 Nov	13:07:46	4.870
41	04 Nov	13:17:46	5.210
42	04 Nov	13:27:46	4.950
43	04 Nov	13:37:46	5.040
44	04 Nov	13:47:46	5.420
45	04 Nov	13:57:46	5.370
46	04 Nov	14:07:46	6.000
47	04 Nov	14:17:46	5.820
48	04 Nov	14:27:46	6.110
49	04 Nov	14:37:46	6.420
50	04 Nov	14:47:46	5.800
51	04 Nov	14:57:46	6.400
52	04 Nov	15:07:46	6.140
53	04 Nov	15:17:46	6.580
54	04 Nov	15:27:46	5.990
55	04 Nov	15:37:46	6.700

User ID: Tantara_9191_Downwind2
Tag Number: 37
Number of logged points: 1
Start time and date: 06:29:35 04-Nov
Elapsed time: 00:10:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.121 mg/m³
Time at maximum: 06:40:47 Nov 04
Max STEL Concentration: 0.012 mg/m³
Time at max STEL: 06:41:35 Nov 04
Overall Avg Conc: 0.015 mg/m³
Logged Data:

Point,	Date	Time	Avg.(mg/m³)
1,	04 Nov,	06:39:35,	0.007

User ID: Tantara_9189_Downwind3
Tag Number: 35
Number of logged points: 68
Start time and date: 06:29:49 04-Nov
Elapsed time: 11:20:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.088 mg/m³
Time at maximum: 07:38:06 Nov 04
Max STEL Concentration: 0.031 mg/m³
Time at max STEL: 07:42:50 Nov 04
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point	Date	Time	Avg. (mg/m³)
1	04 Nov	06:39:49	0.012
2	04 Nov	06:49:49	0.006
3	04 Nov	06:59:49	0.011
4	04 Nov	07:09:49	0.020
5	04 Nov	07:19:49	0.020
6	04 Nov	07:29:49	0.021
7	04 Nov	07:39:49	0.034
8	04 Nov	07:49:49	0.025
9	04 Nov	07:59:49	0.015
10	04 Nov	08:09:49	0.008
11	04 Nov	08:19:49	0.003
12	04 Nov	08:29:49	0.002
13	04 Nov	08:39:49	0.001
14	04 Nov	08:49:49	0.001
15	04 Nov	08:59:49	0.002
16	04 Nov	09:09:49	0.000
17	04 Nov	09:19:49	0.001
18	04 Nov	09:29:49	0.000
19	04 Nov	09:39:49	0.000
20	04 Nov	09:49:49	0.000
21	04 Nov	09:59:49	0.003
22	04 Nov	10:09:49	0.001
23	04 Nov	10:19:49	0.001
24	04 Nov	10:29:49	0.000
25	04 Nov	10:39:49	0.001
26	04 Nov	10:49:49	0.005
27	04 Nov	10:59:49	0.009
28	04 Nov	11:09:49	0.003
29	04 Nov	11:19:49	0.011
30	04 Nov	11:29:49	0.012
31	04 Nov	11:39:49	0.005
32	04 Nov	11:49:49	0.003
33	04 Nov	11:59:49	0.010
34	04 Nov	12:09:49	0.010
35	04 Nov	12:19:49	0.015
36	04 Nov	12:29:49	0.012
37	04 Nov	12:39:49	0.012
38	04 Nov	12:49:49	0.005
39	04 Nov	12:59:49	0.007
40	04 Nov	13:09:49	0.008
41	04 Nov	13:19:49	0.005
42	04 Nov	13:29:49	0.000
43	04 Nov	13:39:49	0.000
44	04 Nov	13:49:49	0.001
45	04 Nov	13:59:49	0.000
46	04 Nov	14:09:49	0.000
47	04 Nov	14:19:49	0.000
48	04 Nov	14:29:49	0.000
49	04 Nov	14:39:49	0.000
50	04 Nov	14:49:49	0.000
51	04 Nov	14:59:49	0.000
52	04 Nov	15:09:49	0.000
53	04 Nov	15:19:49	0.000
54	04 Nov	15:29:49	0.000
55	04 Nov	15:39:49	0.000

57, 04 Nov, 15:59:49, 0.000
58, 04 Nov, 16:09:49, 0.000
59, 04 Nov, 16:19:49, 0.000
60, 04 Nov, 16:29:49, 0.000
61, 04 Nov, 16:39:49, 0.000
62, 04 Nov, 16:49:49, 0.000
63, 04 Nov, 16:59:49, 0.000
64, 04 Nov, 17:09:49, 0.001
65, 04 Nov, 17:19:49, 0.000
66, 04 Nov, 17:29:49, 0.000
67, 04 Nov, 17:39:49, 0.000
68, 04 Nov, 17:49:49, 0.000

User ID: Tantara_3091_Upwind1
Tag Number: 36
Number of logged points: 34
Start time and date: 06:27:27 05-Nov
Elapsed time: 05:40:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 4.490 mg/m³
Time at maximum: 09:56:43 Nov 05
Max STEL Concentration: 4.403 mg/m³
Time at max STEL: 10:01:56 Nov 05
Overall Avg Conc: 2.885 mg/m³
Logged Data:

Point,	Date	Time	Avg.(mg/m³)
1,	05 Nov,	06:37:27,	0.358
2,	05 Nov,	06:47:27,	1.170
3,	05 Nov,	06:57:27,	1.712
4,	05 Nov,	07:07:27,	1.749
5,	05 Nov,	07:17:27,	1.726
6,	05 Nov,	07:27:27,	1.445
7,	05 Nov,	07:37:27,	1.563
8,	05 Nov,	07:47:27,	1.504
9,	05 Nov,	07:57:27,	1.584
10,	05 Nov,	08:07:27,	1.936
11,	05 Nov,	08:17:27,	2.060
12,	05 Nov,	08:27:27,	2.048
13,	05 Nov,	08:37:27,	2.249
14,	05 Nov,	08:47:27,	2.366
15,	05 Nov,	08:57:27,	1.692
16,	05 Nov,	09:07:27,	2.832
17,	05 Nov,	09:17:27,	3.572
18,	05 Nov,	09:27:27,	3.910
19,	05 Nov,	09:37:27,	4.120
20,	05 Nov,	09:47:27,	4.210
21,	05 Nov,	09:57:27,	4.410
22,	05 Nov,	10:07:27,	4.290
23,	05 Nov,	10:17:27,	4.024
24,	05 Nov,	10:27:27,	3.937
25,	05 Nov,	10:37:27,	3.880
26,	05 Nov,	10:47:27,	3.843
27,	05 Nov,	10:57:27,	3.813
28,	05 Nov,	11:07:27,	3.779
29,	05 Nov,	11:17:27,	3.751
30,	05 Nov,	11:27:27,	3.717
31,	05 Nov,	11:37:27,	3.694
32,	05 Nov,	11:47:27,	3.687
33,	05 Nov,	11:57:27,	3.672
34,	05 Nov,	12:07:27,	3.662

User ID: Tantara_9189_Downwind3
Tag Number: 36
Number of logged points: 69
Start time and date: 06:29:18 05-Nov
Elapsed time: 11:30:00
Logging period (sec): 600
Calibration Factor (%): 100
Max Display Concentration: 0.216 mg/m³
Time at maximum: 17:56:49 Nov 05
Max STEL Concentration: 0.004 mg/m³
Time at max STEL: 06:33:48 Nov 05
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date	Time	Avg.(mg/m³)
1,	05 Nov,	06:39:18,	0.010
2,	05 Nov,	06:49:18,	0.000
3,	05 Nov,	06:59:18,	0.000
4,	05 Nov,	07:09:18,	0.000
5,	05 Nov,	07:19:18,	0.000
6,	05 Nov,	07:29:18,	0.000
7,	05 Nov,	07:39:18,	0.000
8,	05 Nov,	07:49:18,	0.000
9,	05 Nov,	07:59:18,	0.000
10,	05 Nov,	08:09:18,	0.000
11,	05 Nov,	08:19:18,	0.000
12,	05 Nov,	08:29:18,	0.000
13,	05 Nov,	08:39:18,	0.000
14,	05 Nov,	08:49:18,	0.000
15,	05 Nov,	08:59:18,	0.000
16,	05 Nov,	09:09:18,	0.000
17,	05 Nov,	09:19:18,	0.000
18,	05 Nov,	09:29:18,	0.000
19,	05 Nov,	09:39:18,	0.000
20,	05 Nov,	09:49:18,	0.000
21,	05 Nov,	09:59:18,	0.000
22,	05 Nov,	10:09:18,	0.000
23,	05 Nov,	10:19:18,	0.000
24,	05 Nov,	10:29:18,	0.000
25,	05 Nov,	10:39:18,	0.000
26,	05 Nov,	10:49:18,	0.000
27,	05 Nov,	10:59:18,	0.000
28,	05 Nov,	11:09:18,	0.000
29,	05 Nov,	11:19:18,	0.000
30,	05 Nov,	11:29:18,	0.000
31,	05 Nov,	11:39:18,	0.000
32,	05 Nov,	11:49:18,	0.000
33,	05 Nov,	11:59:18,	0.000
34,	05 Nov,	12:09:18,	0.000
35,	05 Nov,	12:19:18,	0.000
36,	05 Nov,	12:29:18,	0.000
37,	05 Nov,	12:39:18,	0.000
38,	05 Nov,	12:49:18,	0.000
39,	05 Nov,	12:59:18,	0.000
40,	05 Nov,	13:09:18,	0.000
41,	05 Nov,	13:19:18,	0.000
42,	05 Nov,	13:29:18,	0.000
43,	05 Nov,	13:39:18,	0.000
44,	05 Nov,	13:49:18,	0.000
45,	05 Nov,	13:59:18,	0.000
46,	05 Nov,	14:09:18,	0.000
47,	05 Nov,	14:19:18,	0.000
48,	05 Nov,	14:29:18,	0.000
49,	05 Nov,	14:39:18,	0.000
50,	05 Nov,	14:49:18,	0.000
51,	05 Nov,	14:59:18,	0.000
52,	05 Nov,	15:09:18,	0.000
53,	05 Nov,	15:19:18,	0.000
54,	05 Nov,	15:29:18,	0.000
55,	05 Nov,	15:39:18,	0.000

57, 05 Nov, 15:59:18, 0.000
58, 05 Nov, 16:09:18, 0.000
59, 05 Nov, 16:19:18, 0.000
60, 05 Nov, 16:29:18, 0.000
61, 05 Nov, 16:39:18, 0.000
62, 05 Nov, 16:49:18, 0.000
63, 05 Nov, 16:59:18, 0.000
64, 05 Nov, 17:09:18, 0.000
65, 05 Nov, 17:19:18, 0.000
66, 05 Nov, 17:29:18, 0.000
67, 05 Nov, 17:39:18, 0.000
68, 05 Nov, 17:49:18, 0.000
69, 05 Nov, 17:59:18, 0.021

APPENDIX F

FILL AND BACKFILL MATERIALS SOURCE TESTING

GENERAL FILL – OFF-SITE

Transmittal of Documents for Acceptance by EPA*

Date: **04/19/04**

Transmittal No. **19**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill	2	
2.01.B	General Fill:		
	Bank Material		
	Hart's Pit		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

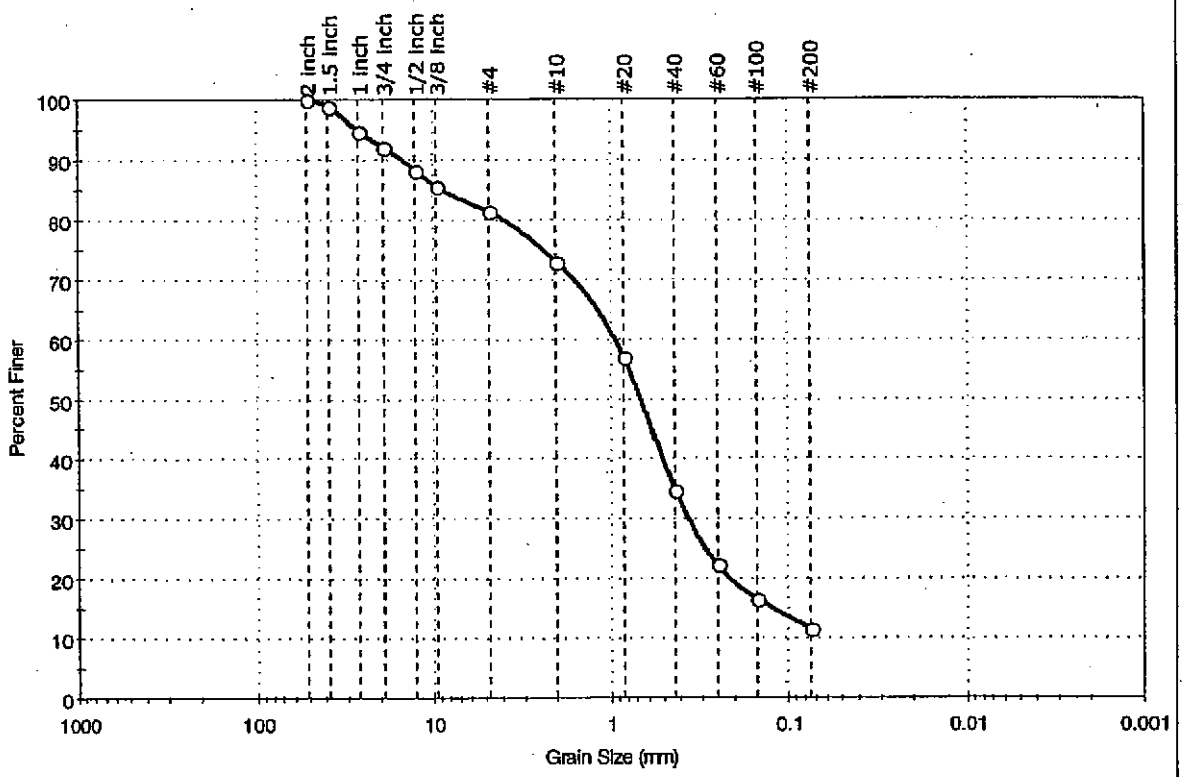
MT 19

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting Express, Inc.

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: Bank Material	Sample Type: bucket	Tested By:	ahp
Sample ID: General Fill	Test Date: 04/14/04	Checked By:	jdt
Depth : ---	Test Id: 50661		
Sample Description:	Moist, olive gray sand with silt and gravel		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	18.6	69.8	11.6

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
2 inch	50.80	100		
1.5 inch	38.10	99		
1 inch	25.70	95		
3/4 inch	19.00	92		
1/2 inch	12.70	88		
3/8 inch	9.51	86		
#4	4.75	81		
#10	2.00	73		
#20	0.84	57		
#40	0.42	35		
#60	0.25	22		
#100	0.15	17		
#200	0.075	12		

Coefficients

D_{85} = 8.7224 mm	D_{30} = 0.3457 mm
D_{60} = 0.9905 mm	D_{15} = 0.1202 mm
D_{50} = 0.6777 mm	D_{10} = 0.0601 mm
C_u = 16.473	C_c = 0.121

Classification

ASTM: Poorly graded sand with silt and gravel (SP-SM)

AASHTO: Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65 assumed

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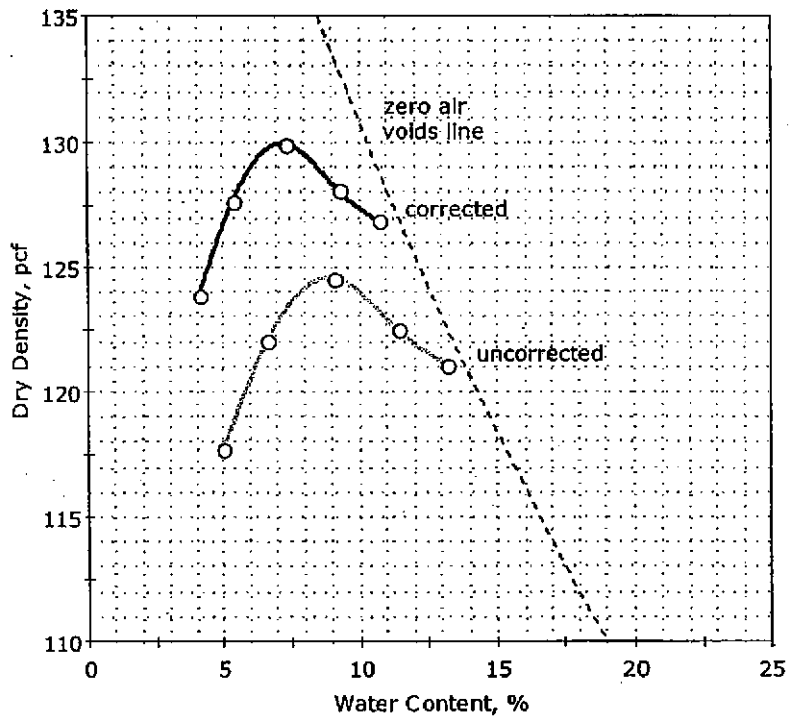
GeoTesting Express, Inc.

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	Bank Material	Sample Type:	bucket	Tested By:	njh
Sample ID:	General Fill	Test Date:	04/15/04	Checked By:	jdt
Depth :	---	Test Id:	50664		
Sample Description:	Moist, olive gray sand with silt and gravel				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	117.7	122.0	124.6	122.5	121.1
Moisture Content, %	5.0	6.6	9.1	11.4	13.2

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 124.5 pcf

Optimum Moisture= 9.0 %

Oversize Correction (19.0% > #4 Sieve)

Corrected Maximum Dry Density= 130.0 pcf

Corrected Optimum Moisture= 7.5 %

Average Bulk Specific Gravity (assumed)= 2.55

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GeoTesting Express, Inc.

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	Bank Material	Sample Type:	bucket	Tested By:	njh
Sample ID:	General Fill	Test Date:	04/15/04	Checked By:	jdt
Depth :	---	Test Id:	50667		
Sample Description:	Moist, olive gray sand with silt and gravel				
Sample Comment:	---				
Test Comment:	---				

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

Symbol	Sample ID	Boring	Depth	Natural Moisture Content, %	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
●	General Fill	Bank Material	---	5	n/a	n/a	0	n/a	Poorly graded sand with silt and gravel (SP-SM)

100% Retained on #40 Sieve

Dry Strength: n/a

Dilentancy: n/a

Toughness: n/a

The sample was determined to be Non-Plastic

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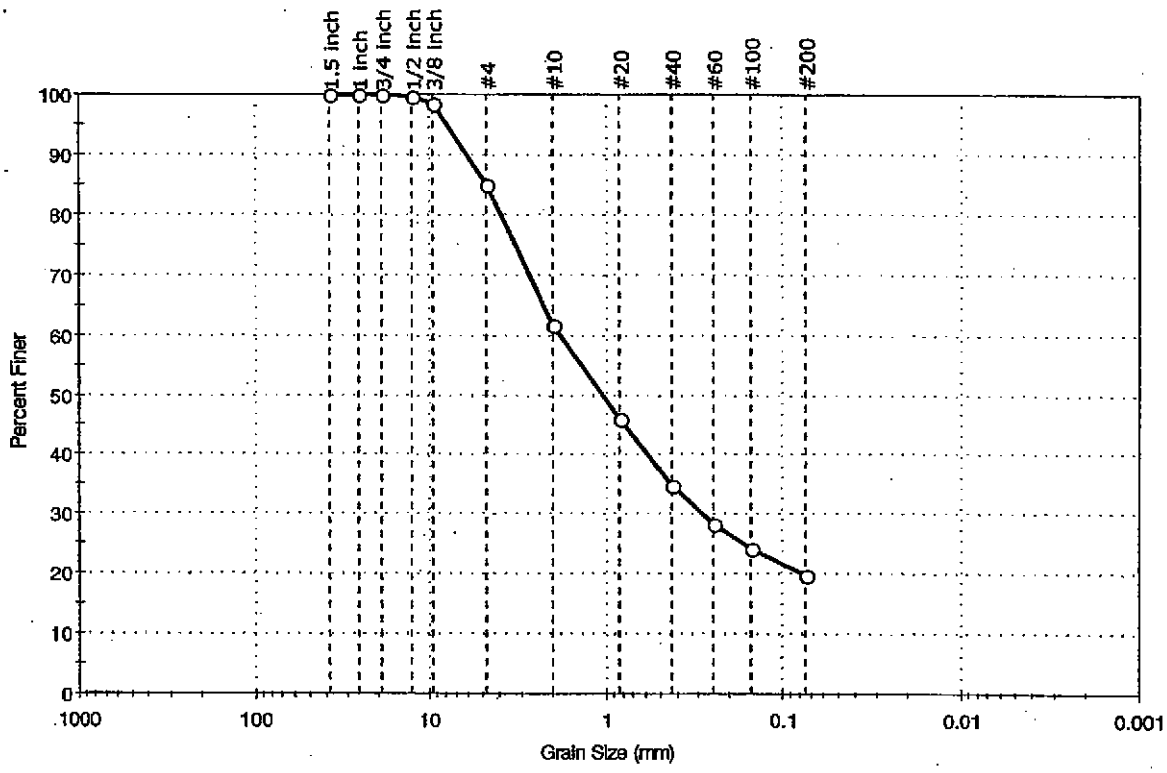
GeoTesting Express, Inc.

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: Harts pit	Sample Type: bucket	Tested By:	ahp
Sample ID: General Fill 1/4 inch	Test Date: 04/15/04	Checked By:	jdt
Depth : ---	Test Id: 50662		
Sample Description:	Moist, olive brown silty sand with gravel		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	15.1	65.4	19.5

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
1.5 inch	38.10	100		
1 inch	25.70	100		
3/4 inch	19.00	100		
1/2 inch	12.70	100		
3/8 inch	9.51	99		
#4	4.75	85		
#10	2.00	62		
#20	0.84	46		
#40	0.42	35		
#60	0.25	28		
#100	0.15	24		
#200	0.075	20		

Coefficients

D_{85} =4.7765 mm	D_{30} =0.2848 mm
D_{60} =1.8202 mm	D_{15} =N/A
D_{50} =1.0468 mm	D_{10} =N/A
C_u =N/A	C_c =N/A

Classification

ASTM Silty sand with gravel (SM)

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65 assumed

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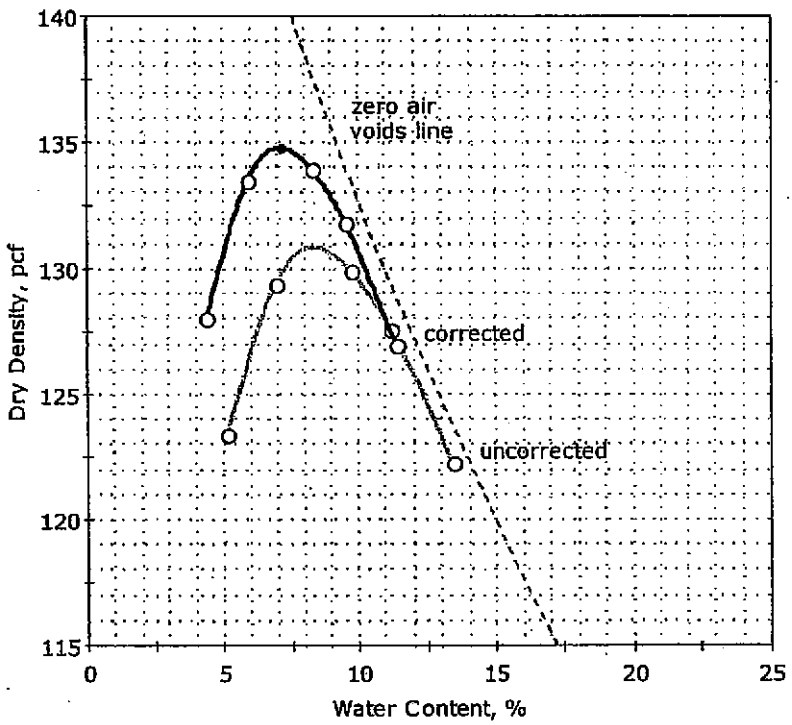
GeoTesting Express, Inc.

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	Harts pit	Sample Type:	bucket	Tested By:	ahp
Sample ID:	General Fill 1/4 Inch	Test Date:	04/16/04	Checked By:	fh
Depth :	---	Test Id:	50665		
Sample Description:	Moist, olive brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	123.4	129.4	129.9	127.6	122.2
Moisture Content, %	5.1	6.9	9.7	11.2	13.4

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.70

Maximum Dry Density= 131.0 pcf

Optimum Moisture= 8.5 %

Oversize Correction (15.0% > #4 Sieve)

Corrected Maximum Dry Density= 135.0 pcf

Corrected Optimum Moisture= 7.0 %

Average Bulk Specific Gravity (assumed)= 2.6

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GeoTesting Express, Inc.

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	Harts pit	Sample Type:	bucket	Tested By:	njh
Sample ID:	General Fill 1/4 inch	Test Date:	04/15/04	Checked By:	jdt
Depth :	---	Test Id:	50668		
Sample Description:	Moist, olive brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
●	General Fill 1/4 inch	Harts pit	---	9	n/a	n/a	0	n/a	Silty sand with gravel (SM)

100% Retained on #40 Sieve

Dry Strength: n/a

Dilentancy: n/a

Toughness: n/a

The sample was determined to be Non-Plastic

printed 4/16/2004 10:57:48 AM

Transmittal of Documents for Acceptance by EPA*

Date: 07/12/04

Transmittal No. 45

Specification Section: 02316

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
3.06.B	Field Quality Control - Testing of Delivered Soils	2	
	General Fill; 5,000 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

*For use by the contractor when submitting a deliverable to the RPM/WAM.

MT 45

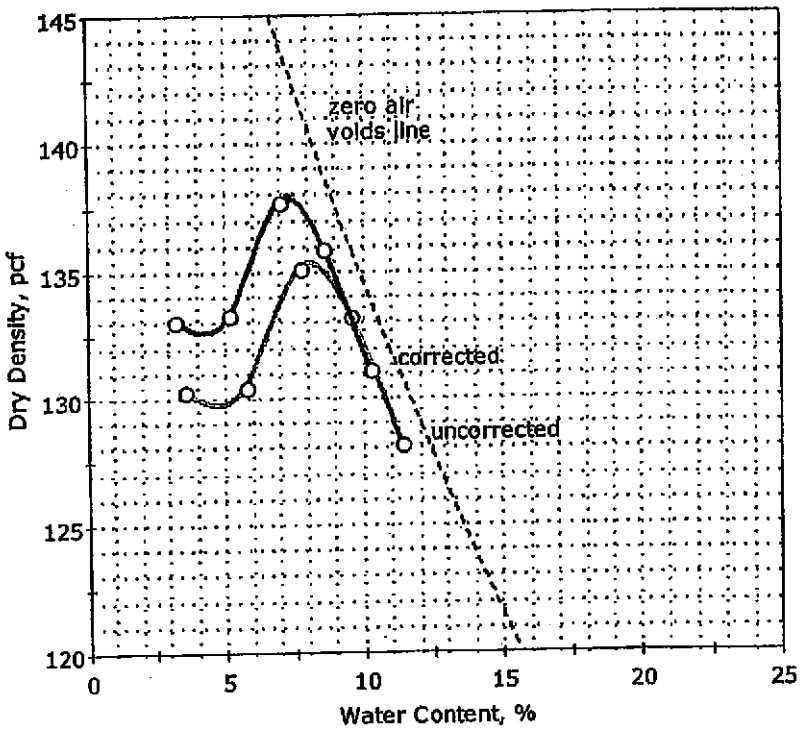
jod\MT\04009\04009 TRA 51-043-32B_2

51-043-32B(2)

GeoTesting Express, Inc.

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	cmt
Sample ID: 0611GF	Test Date: 06/15/04	Checked By:	jdt
Depth : ---	Test Id: 53974		
Sample Description:	Moist, dark olive brown sand with gravel		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	130.3	130.5	135.2	133.3	128.2
Moisture Content, %	3.5	5.7	7.7	9.5	11.3

Method : C

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.75

Maximum Dry Density= 135.5 pcf
Optimum Moisture= 8.0 %

Oversize Correction (10.0% > 3/4 inch Sieve)
Corrected Maximum Dry Density= 138.0 pcf
Corrected Optimum Moisture= 7.5 %
Average Bulk Specific Gravity (assumed)= 2.65

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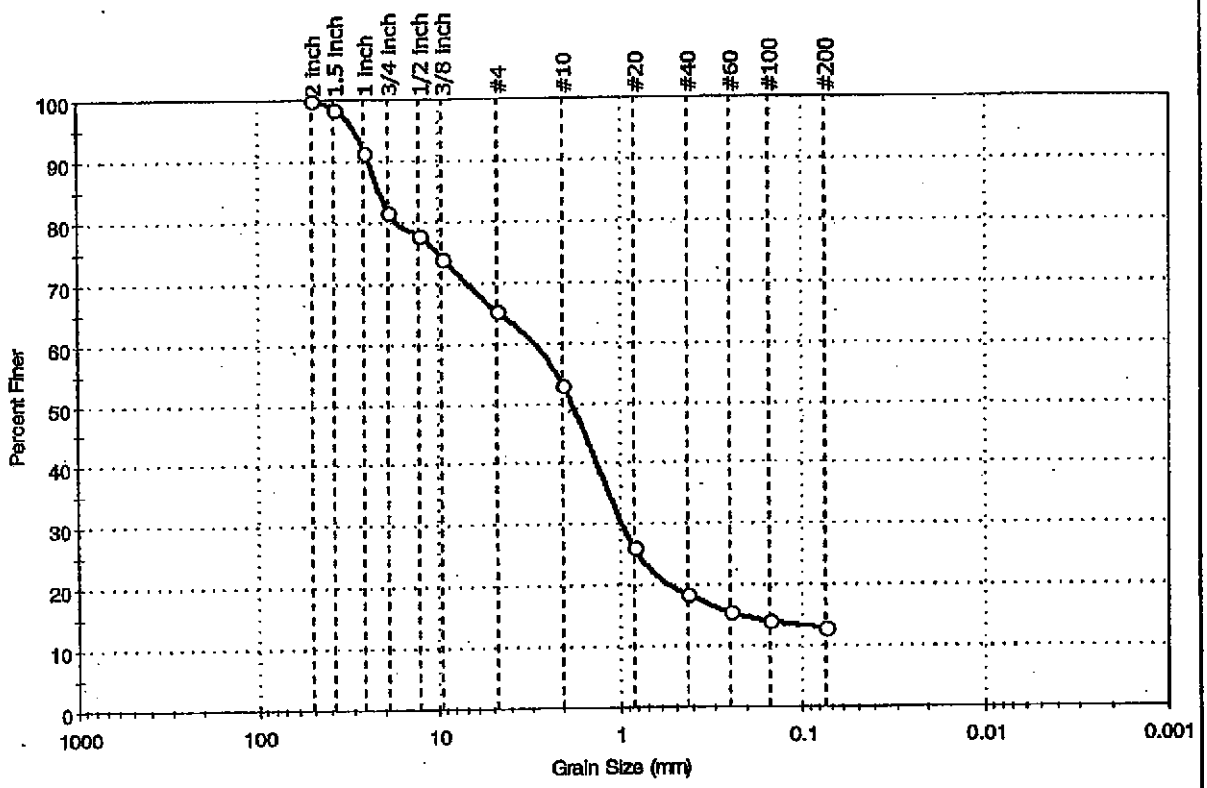
GeoTesting express

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0611GF	Test Date: 06/28/04	Checked By:	fh
Depth : ---	Test Id: 54793		
Sample Description:	Moist, dark olive brown silty sand with gravel		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	34.6	52.4	12.9

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
2 inch	50.80	100		
1.5 inch	38.10	99		
1 inch	25.70	91		
3/4 inch	19.00	82		
1/2 inch	12.70	78		
3/8 inch	9.51	74		
#4	4.75	65		
#10	2.00	53		
#20	0.84	26		
#40	0.42	19		
#60	0.25	16		
#100	0.15	14		
#200	0.075	13		

Coefficients

D_{85} =20.9907 mm	D_{30} =0.9520 mm
D_{60} =3.2662 mm	D_{15} =0.2082 mm
D_{50} =1.8163 mm	D_{10} =0.0117 mm
C_u =278.698	C_c =0.278

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65 assumed

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Transmittal of Documents for Acceptance by EPA*

Date: 07/12/04

Transmittal No. 45A

Specification Section: 02316

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
3.06.B	Field Quality Control - Testing of Delivered Soils	2	
	General Fill; 10,000 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

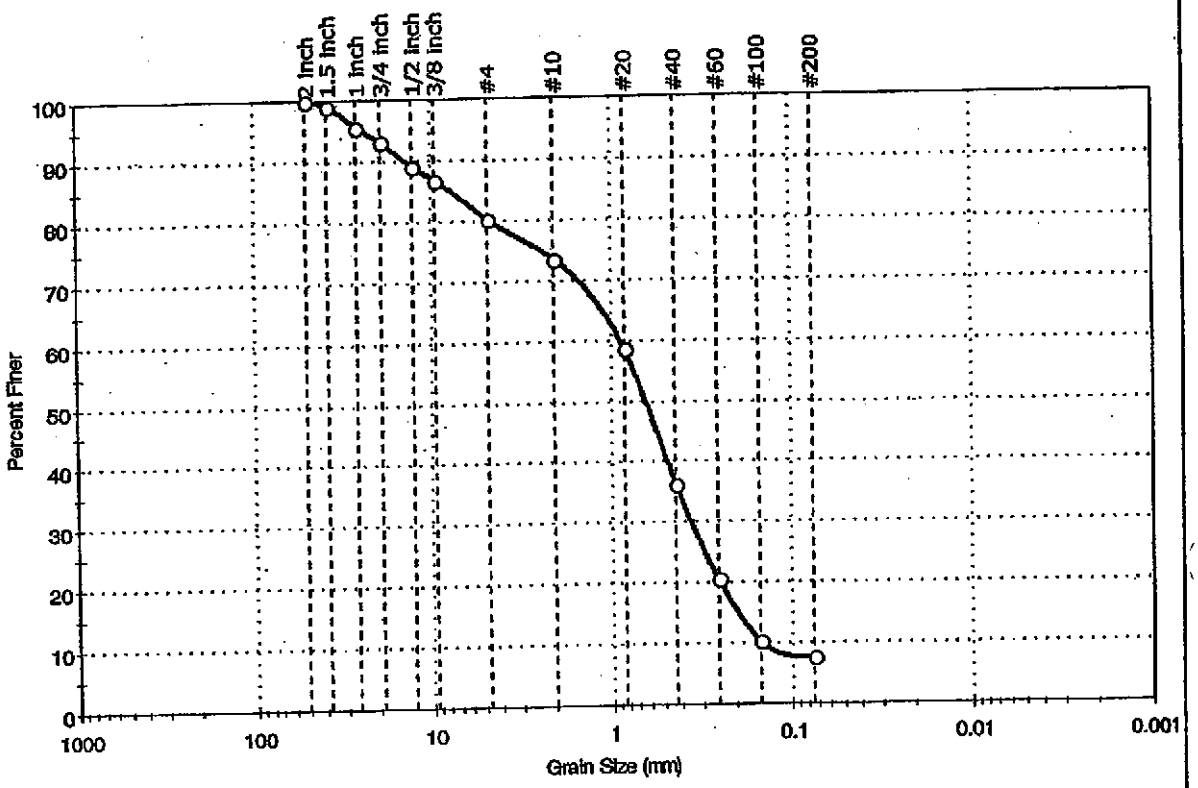
MT 45A

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0624GF	Test Date: 06/29/04	Checked By:	fh
Depth : ---	Test Id: 54910		
Sample Description:	Moist, olive brown sand with silt and gravel		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	19.8	72.5	7.7

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
2 inch	50.80	100		
1.5 inch	38.10	99		
1 inch	25.70	96		
3/4 inch	19.00	93		
1/2 inch	12.70	89		
3/8 inch	9.51	87		
#4	4.75	80		
#10	2.00	74		
#20	0.84	59		
#40	0.42	36		
#60	0.25	21		
#100	0.15	10		
#200	0.075	8		

Coefficients

D_{85} = 7.8344 mm	D_{30} = 0.3426 mm
D_{60} = 0.9083 mm	D_{15} = 0.1880 mm
D_{50} = 0.6454 mm	D_{10} = 0.1381 mm
C_u = 6.578	C_c = 0.129

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65 assumed

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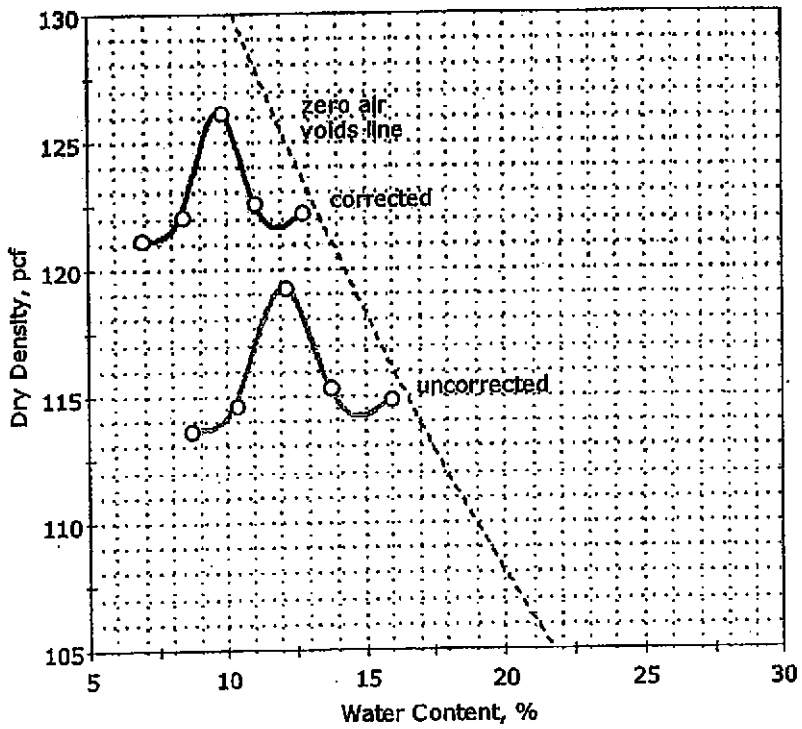
GeoTesting express

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	mch
Sample ID: 0624GF	Test Date: 06/29/04	Checked By:	fh
Depth : ---	Test Id: 54929		
Sample Description:	Moist, olive brown sand with silt and gravel		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	113.7	114.7	119.3	115.4	114.9
Moisture Content, %	8.6	10.3	12.1	13.7	15.9

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 119.5 pcf

Optimum Moisture= 12.0 %

Oversize Correction (19.7% > #4 Sieve)

Corrected Maximum Dry Density= 126.0 pcf

Corrected Optimum Moisture= 9.5 %

Average Bulk Specific Gravity (assumed)= 2.65

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Transmittal of Documents for Acceptance by EPA*

Date: **08/11/04**

Transmittal No. **45B**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
3.06.B	Field Quality Control - Testing of Delivered Soils	2	
	General Fill:		
	ID#0726GF - 15,000 CY		
	ID#0729GF - 20,000 CY		
	ID#0802GF - 25,000 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

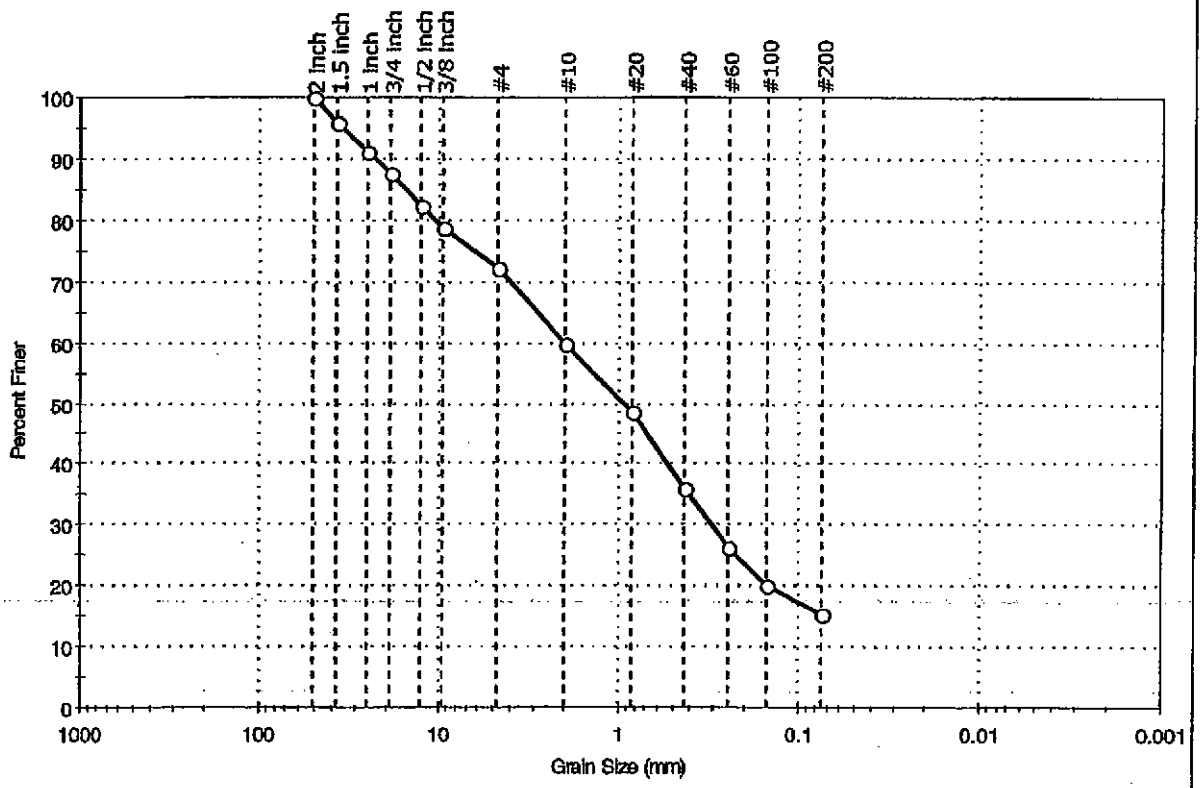
MT 45B

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0726GF	Test Date:	08/04/04	Checked By:	jdt
Depth :	---	Test Id:	57497		
Sample Description:	Moist, yellowish brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	27.6	57.0	15.4

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Compliac
2 inch	50.80	100		
1.5 inch	38.10	96		
1 inch	25.70	91		
3/4 inch	19.00	88		
1/2 inch	12.70	82		
3/8 inch	9.51	79		
#4	4.75	72		
#10	2.00	60		
#20	0.84	49		
#40	0.42	36		
#60	0.25	26		
#100	0.15	20		
#200	0.075	15		

Coefficients

D_{85} =15.6284 mm D_{30} =0.3058 mm
D_{60} =2.0200 mm D_{15} =N/A
D_{50} =0.9327 mm D_{10} =N/A
C_u =N/A C_c =N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR
Sand/Gravel Hardness : HARD
Dispersion Device : N/A
Dispersion Period : N/A
Specific Gravity : 2.65

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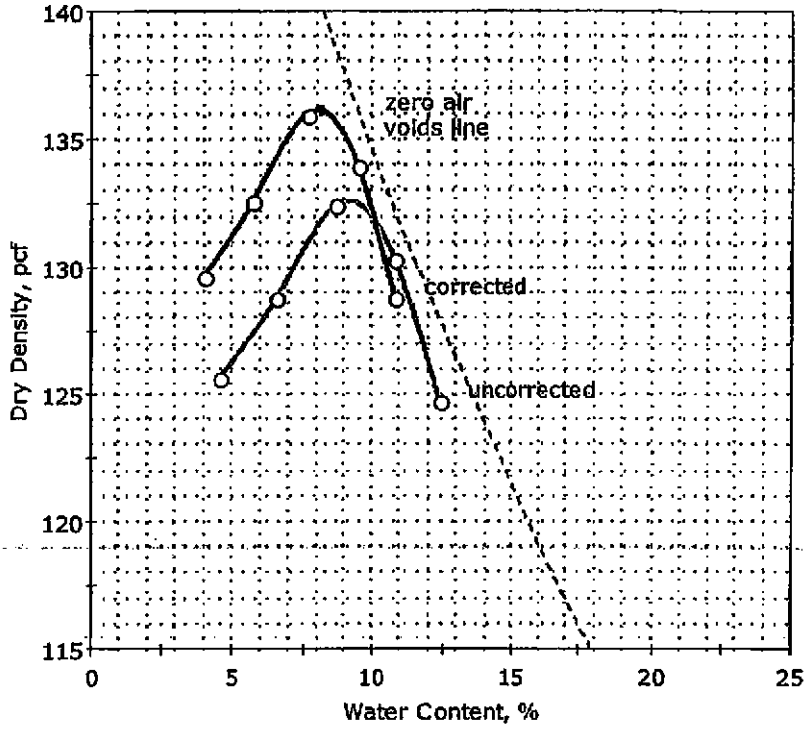
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0726GF	Test Date:	08/05/04	Checked By:	jdt
Depth :	---	Test Id:	57499		
Sample Description:	Moist, yellowish brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	125.6	128.8	132.4	130.3	124.7
Moisture Content, %	4.5	6.6	8.7	10.9	12.4

Method : C

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.75

Maximum Dry Density= 132.5 pcf
Optimum Moisture= 9.0 %

Oversize Correction (12.5% > 3/4 inch Sieve)
Corrected Maximum Dry Density= 136.0 pcf
Corrected Optimum Moisture= 8.0 %
Average Bulk Specific Gravity = 2.68

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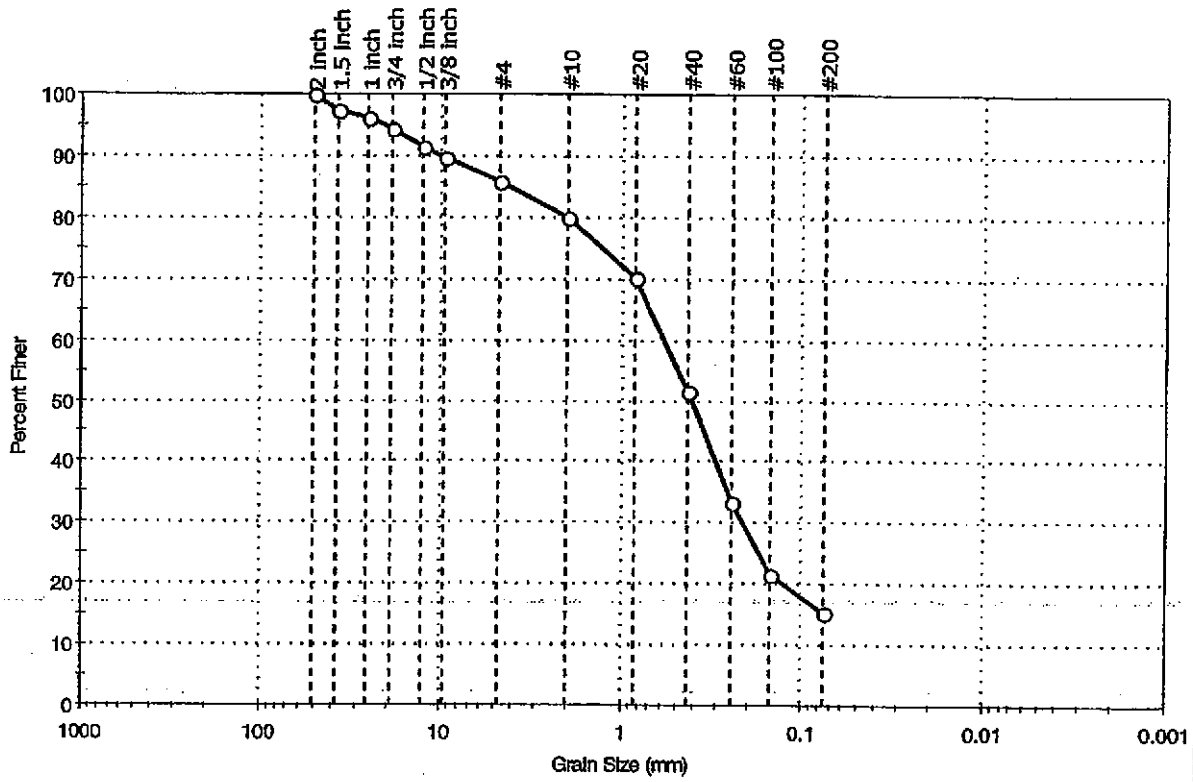
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0729GF	Test Date: 08/06/04	Checked By:	jdt
Depth : ---	Test Id: 57498		
Sample Description:	Moist, yellowish brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	14.1	70.4	15.5

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
2 inch	50.80	100		
1.5 inch	38.10	97		
1 inch	25.70	96		
3/4 inch	19.00	94		
1/2 inch	12.70	91		
3/8 inch	9.51	90		
#4	4.75	86		
#10	2.00	80		
#20	0.84	70		
#40	0.42	52		
#60	0.25	33		
#100	0.15	22		
#200	0.075	15		

Coefficients

D_{85} =4.1697 mm D_{30} =0.2160 mm
D_{60} =0.5796 mm D_{15} =N/A
D_{50} =0.4068 mm D_{10} =N/A
C_u =N/A C_c =N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---
Sand/Gravel Hardness : HARD
Dispersion Device : N/A
Dispersion Period : N/A
Specific Gravity : 2.65

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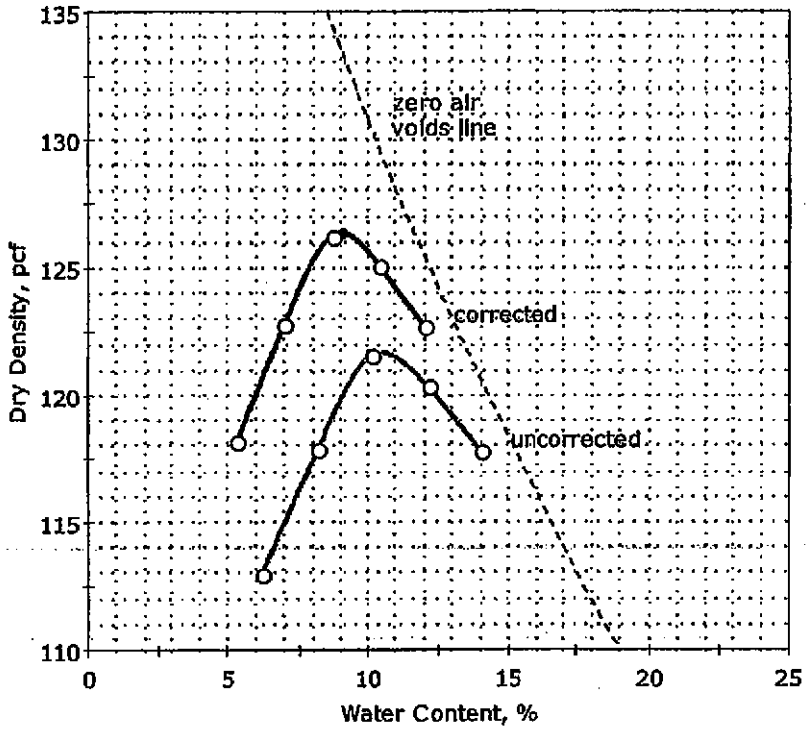
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0729GF	Test Date: 08/06/04	Checked By:	jdt
Depth : ---	Test Id: 57500		
Sample Description:	Moist, yellowish brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	112.9	117.9	121.6	120.4	117.8
Moisture Content, %	6.2	8.2	10.1	12.1	14.0

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 121.5 pcf

Optimum Moisture= 10.5 %

Oversize Correction (14.2% > #4 Sieve)

Corrected Maximum Dry Density= 126.5 pcf

Corrected Optimum Moisture= 9.0 %

Average Bulk Specific Gravity = 2.63

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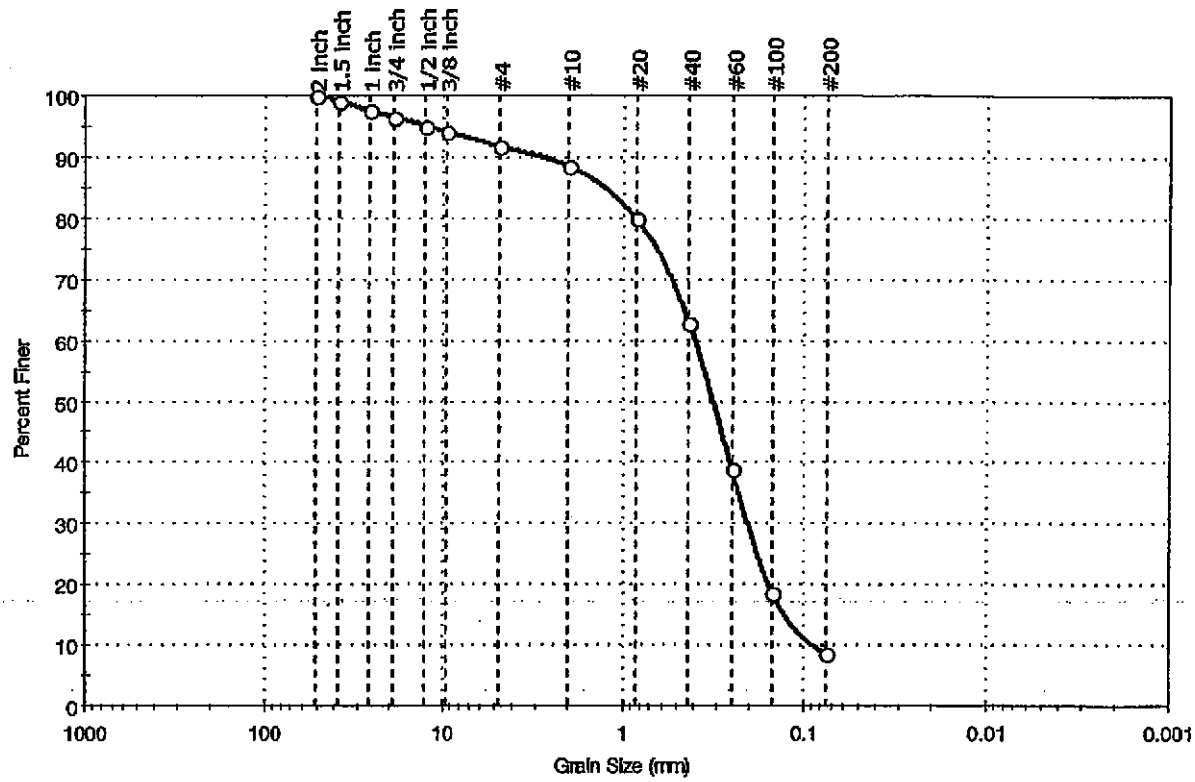
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0802GF	Test Date: 08/09/04	Checked By:	jdt
Depth : ---	Test Id: 57617		
Sample Description:	Moist, light olive brown sand with silt		
Sample Comment:	—		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	8.2	83.2	8.6

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
2 inch	50.80	100		
1.5 inch	38.10	99		
1 inch	25.70	98		
3/4 inch	19.00	97		
1/2 inch	12.70	95		
3/8 inch	9.51	94		
#4	4.75	92		
#10	2.00	88		
#20	0.84	80		
#40	0.42	63		
#60	0.25	39		
#100	0.15	19		
#200	0.075	9		

Coefficients

D_{85} = 1.4166 mm	D_{30} = 0.1994 mm
D_{60} = 0.3990 mm	D_{15} = 0.1167 mm
D_{50} = 0.3198 mm	D_{10} = 0.0827 mm
C_u = 4.826	C_c = 0.100

Classification

ASTM N/A

AASHTO Fine Sand (A-3 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65

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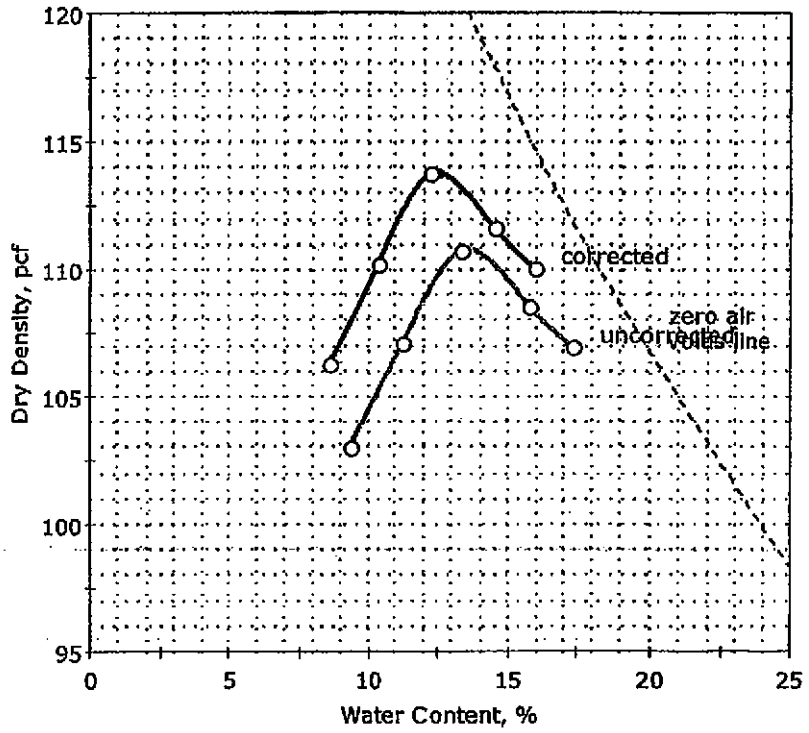
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0802GF	Test Date: 08/09/04	Checked By:	n/a
Depth : ---	Test Id: 57618		
Sample Description:	Moist, light olive brown sand with silt		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	103.1	107.1	110.7	108.6	107.0
Moisture Content, %	9.3	11.3	13.3	15.8	17.3

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.60

Maximum Dry Density= 111.0 pcf

Optimum Moisture= 13.5 %

Oversize Correction (8.0% > #4 Sieve)

Corrected Maximum Dry Density= 114.0 pcf

Corrected Optimum Moisture= 12.5 %

Average Bulk Specific Gravity = 2.65

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Transmittal of Documents for Acceptance by EPA*

Date: **08/18/04**

Transmittal No. **45C**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
3.06.B	Field Quality Control - Testing of Delivered Soils	2	
	General Fill:		
	ID#0809GF - 30,000 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

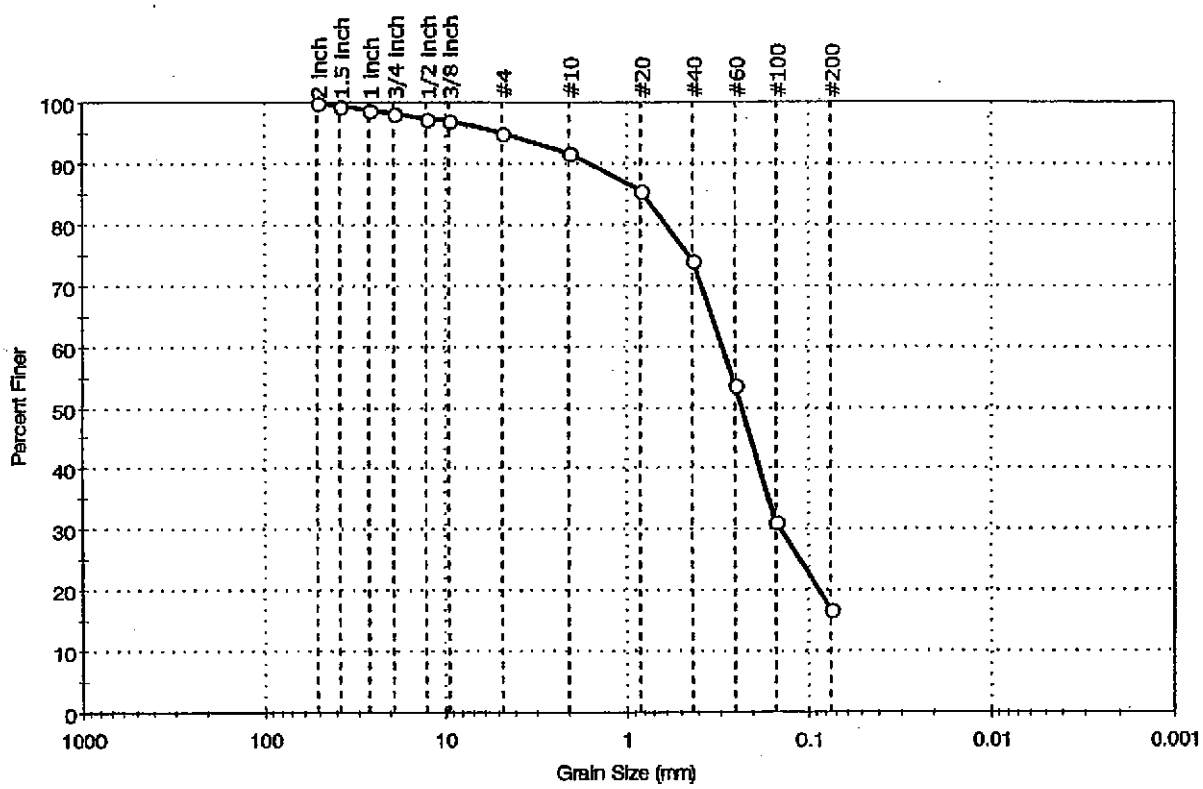
*For use by the contractor when submitting a deliverable to the RPM/WAM.

MT 45C

GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0809GF	Test Date:	08/11/04	Checked By:	jdt
Depth :	---	Test Id:	58100		
Sample Description:	Moist, pale brown silty sand				
Sample Comment:	---				
Test Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	5.1	78.2	16.7

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Compliles
2 inch	50.80	100		
1.5 inch	38.10	99		
1 inch	25.70	99		
3/4 inch	19.00	98		
1/2 inch	12.70	97		
3/8 inch	9.51	97		
#4	4.75	95		
#10	2.00	92		
#20	0.84	86		
#40	0.42	74		
#60	0.25	54		
#100	0.15	31		
#200	0.075	17		

Coefficients

D_{85} =0.8077 mm D_{30} =0.1410 mm
D_{60} =0.2941 mm D_{15} =N/A
D_{50} =0.2291 mm D_{10} =N/A
C_u =N/A C_c =N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD
Dispersion Device : N/A
Dispersion Period : N/A
Specific Gravity : 0

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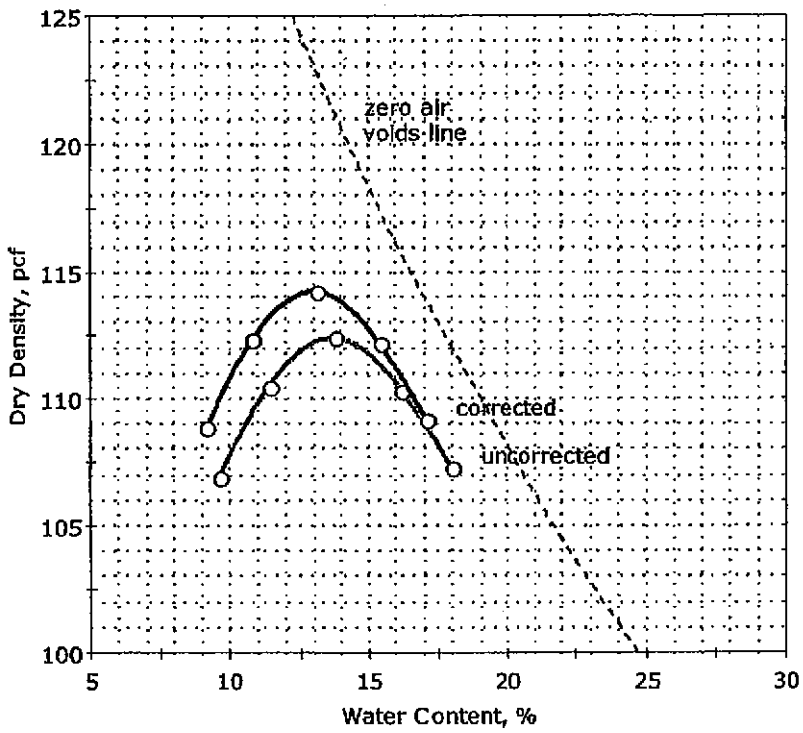
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0809GF	Test Date:	08/13/04	Checked By:	jdt
Depth :	---	Test Id:	58101		
Sample Description:	Moist, pale brown silty sand				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	106.9	110.5	112.4	110.3	107.2
Moisture Content, %	9.6	11.4	13.8	16.2	18.0

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 112.5 pcf
Optimum Moisture= 13.5 %

Oversize Correction (5.0% > #4 Sieve)
Corrected Maximum Dry Density= 114.0 pcf
Corrected Optimum Moisture= 13.0 %
Average Bulk Specific Gravity = 2.65

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Transmittal of Documents for Acceptance by EPA*

Date: **08/20/04**

Transmittal No. **45D**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
3.06.B	Field Quality Control - Testing of Delivered Soils	2	
	General Fill:		
	ID#0812GF-1 - 35,000 CY		
	ID#0812GF-2 - 40,000 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer
	Date

*For use by the contractor when submitting a deliverable to the RPM/WAM.

jodf\MT\04009\04009 TRA 51-043-32B_2 =1-45

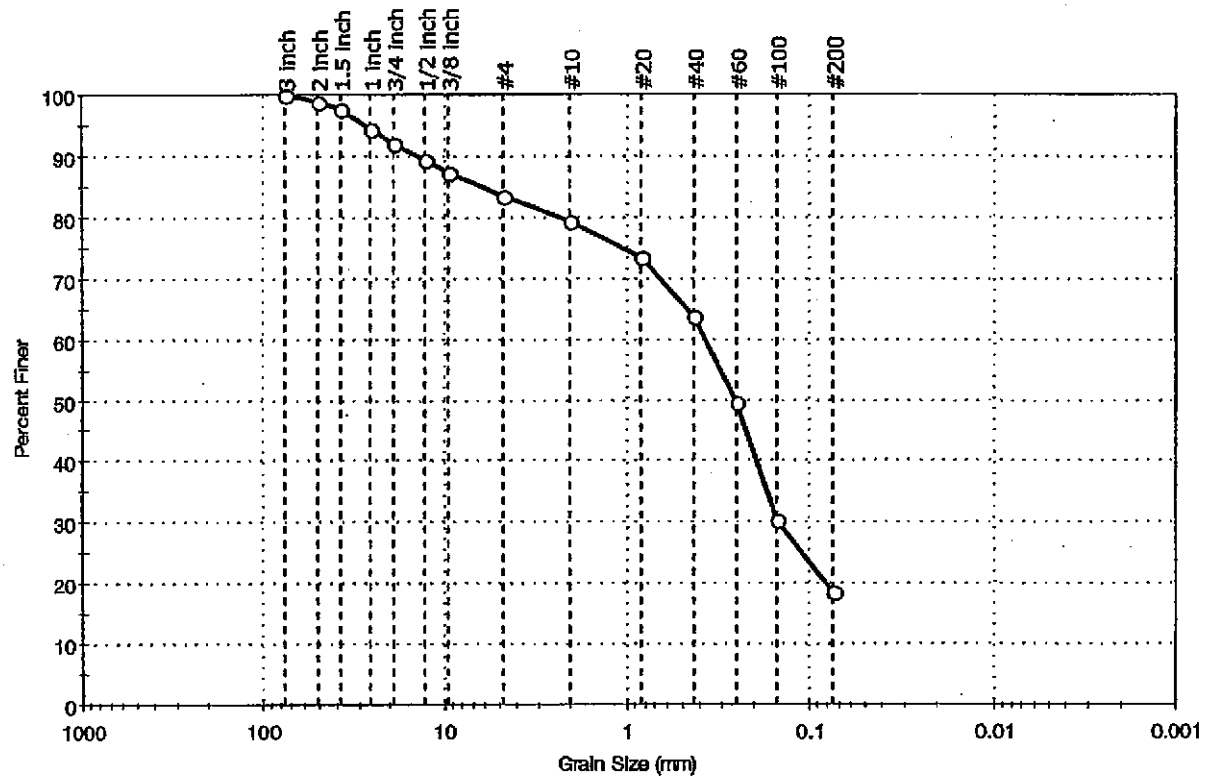
51-043-32B(2)

MT 45D

GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0812GF-1	Test Date: 08/17/04	Checked By:	jdt
Depth : ---	Test Id: 58401		
Sample Description:	Moist, dark yellowish brown silty sand with gravel		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
–	16.6	64.8	18.6

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Compliance
3 inch	76.10	100		
2 inch	50.80	99		
1.5 inch	38.10	98		
1 inch	25.70	94		
3/4 inch	19.00	92		
1/2 inch	12.70	89		
3/8 inch	9.51	87		
#4	4.75	83		
#10	2.00	79		
#20	0.84	73		
#40	0.42	64		
#60	0.25	49		
#100	0.15	30		
#200	0.075	19		

Coefficients

D_{85} = 6.2354 mm	D_{30} = 0.1455 mm
D_{60} = 0.3709 mm	D_{15} = N/A
D_{50} = 0.2549 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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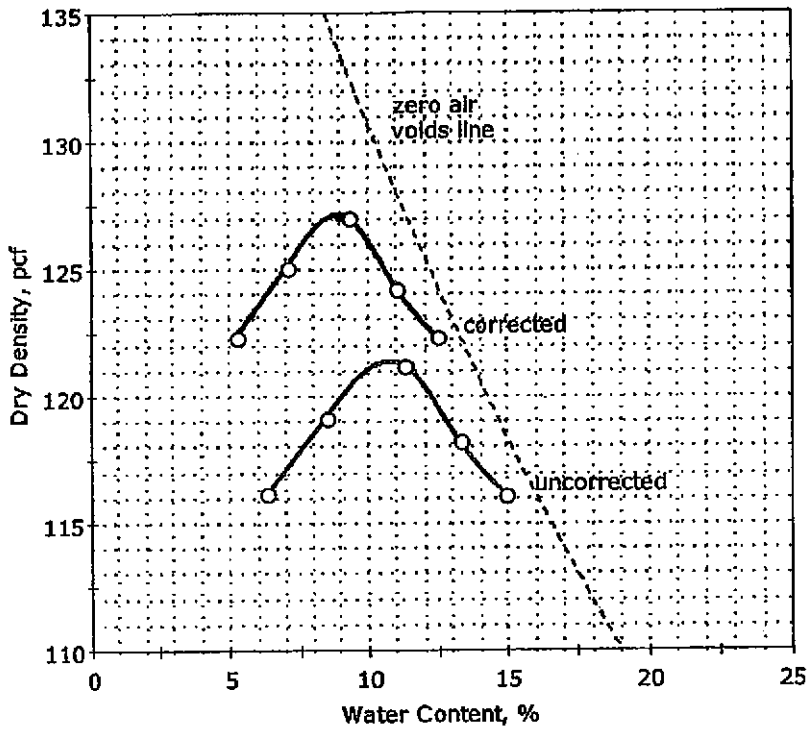
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0812GF-1	Test Date: 08/17/04	Checked By:	jdt
Depth : ---	Test Id: 58403		
Sample Description:	Moist, dark yellowish brown silty sand with gravel		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	116.2	119.2	121.2	118.2	116.1
Moisture Content, %	6.3	8.5	11.3	13.3	14.9

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 121.5 pcf
Optimum Moisture= 11.0 %

Oversize Correction (17.0% > #4 Sieve)
Corrected Maximum Dry Density= 127.0 pcf
Corrected Optimum Moisture= 9.0 %
Average Bulk Specific Gravity = 2.65

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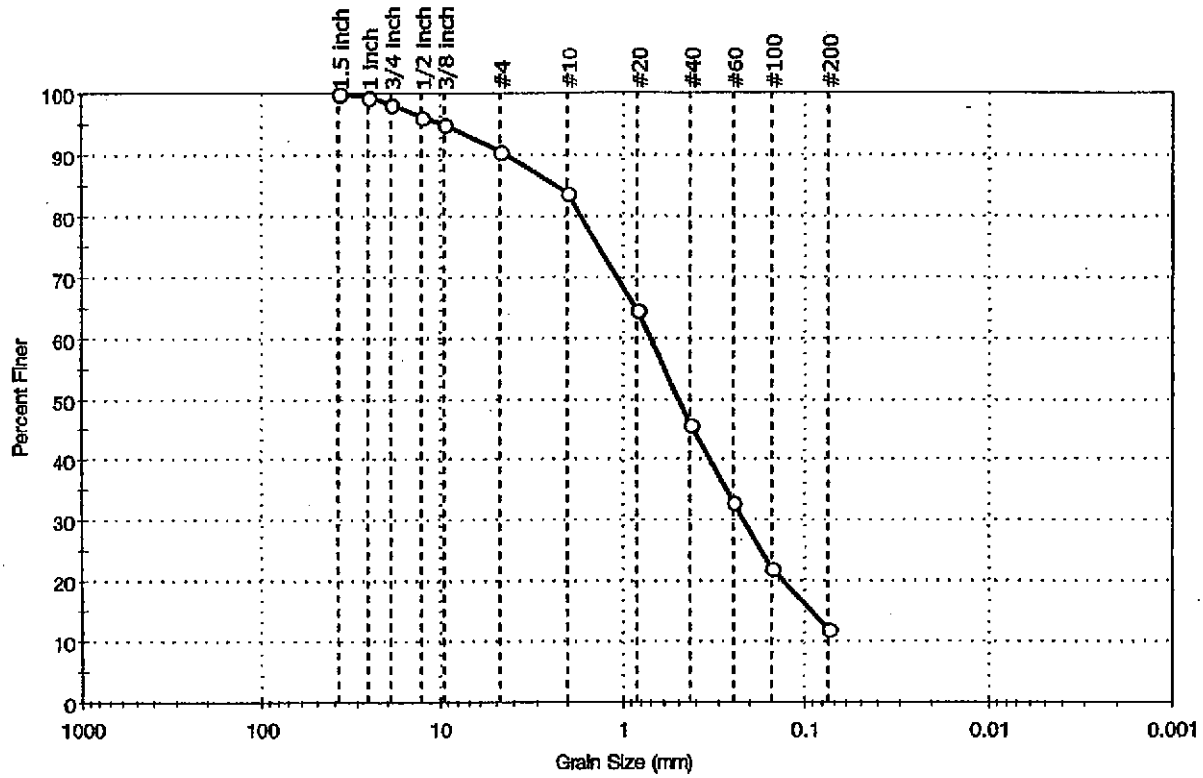
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0812GF-2	Test Date: 08/17/04	Checked By:	jdt
Depth : ---	Test Id: 58402		
Sample Description:	Moist, yellowish brown sand with silt		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	9.3	78.5	12.2

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Compliec
1.5 inch	38.10	100		
1 inch	25.70	99		
3/4 inch	19.00	98		
1/2 inch	12.70	96		
3/8 inch	9.51	95		
#4	4.75	91		
#10	2.00	84		
#20	0.84	65		
#40	0.42	46		
#60	0.25	33		
#100	0.15	22		
#200	0.075	12		

Coefficients

D_{85} =2.3465 mm D_{30} =0.2165 mm
D_{60} =0.7099 mm D_{15} =0.0908 mm
D_{50} =0.4952 mm D_{10} =0.0642 mm
C_u =11.052 C_c =0.066

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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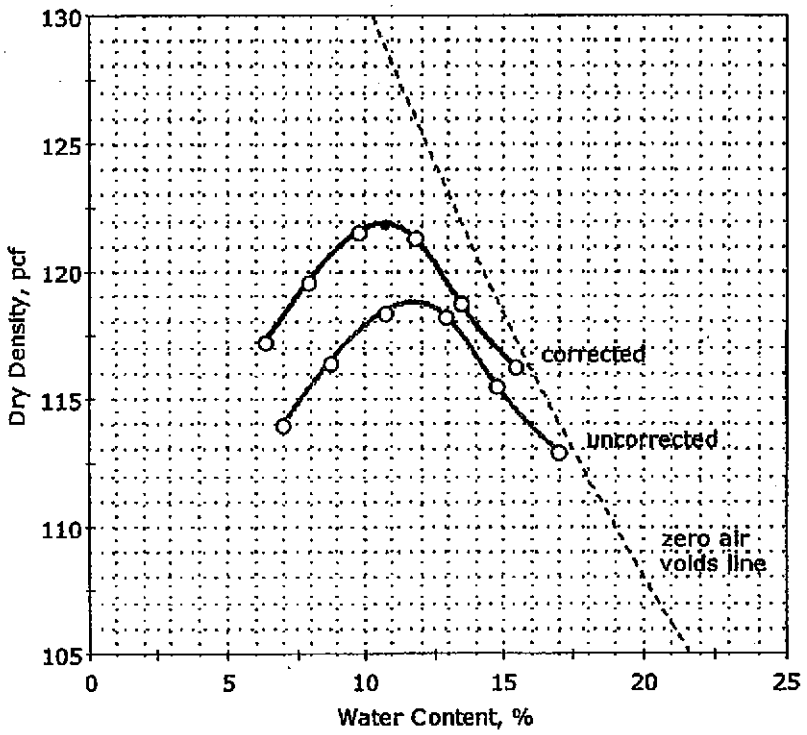
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0812GF-2	Test Date: 08/17/04	Checked By:	jdt
Depth : ---	Test Id: 58404		
Sample Description:	Moist, yellowish brown sand with silt		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
Dry density, pcf	114.0	116.4	118.4	118.3	115.5	113.0
Moisture Content, %	6.9	8.7	10.7	12.9	14.7	16.9

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 119.0 pcf

Optimum Moisture= 11.5 %

Oversize Correction (9.0% > #4 Sieve)

Corrected Maximum Dry Density= 122.0 pcf

Corrected Optimum Moisture= 10.5 %

Average Bulk Specific Gravity = 2.65

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Transmittal of Documents for Acceptance by EPA*

Date: **09/01/04**

Transmittal No. **45E**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
3.06.B	Field Quality Control - Testing of Delivered Soils	2	
	General Fill:		
	ID#0817GF - 45,000 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

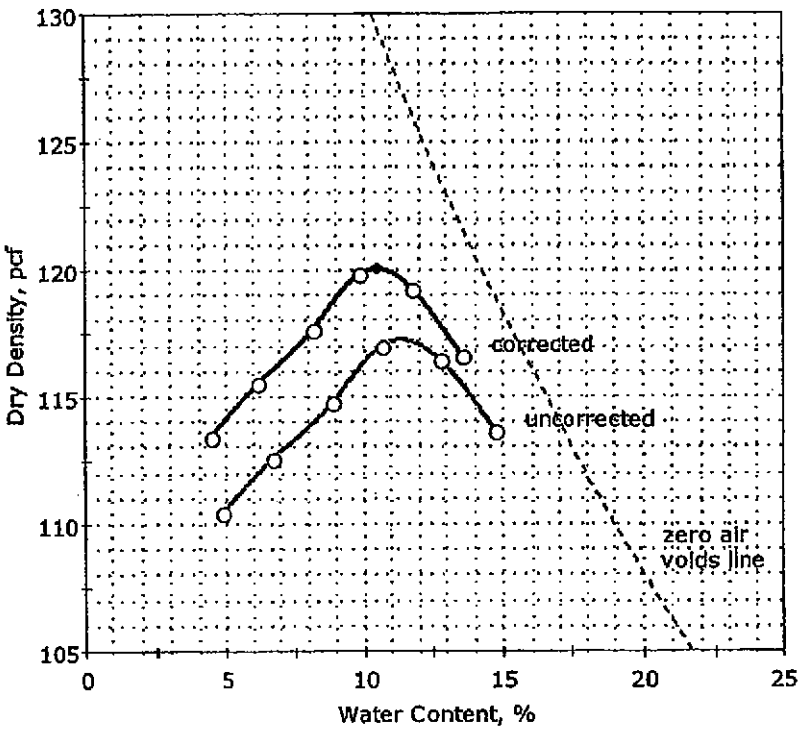
MT 45E

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0817GF	Test Date: 08/25/04	Checked By:	jdt
Depth : ---	Test Id: 58563		
Sample Description:	Moist, dark yellowish brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
Dry density, pcf	110.4	112.5	114.7	117.0	116.5	113.7
Moisture Content, %	4.8	6.7	8.8	10.6	12.8	14.7

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 117.5 pcf
Optimum Moisture= 11.5 %

Oversize Correction (8.0% > #4 Sieve)
Corrected Maximum Dry Density= 120.0 pcf
Corrected Optimum Moisture= 10.5 %
Average Bulk Specific Gravity = 2.65

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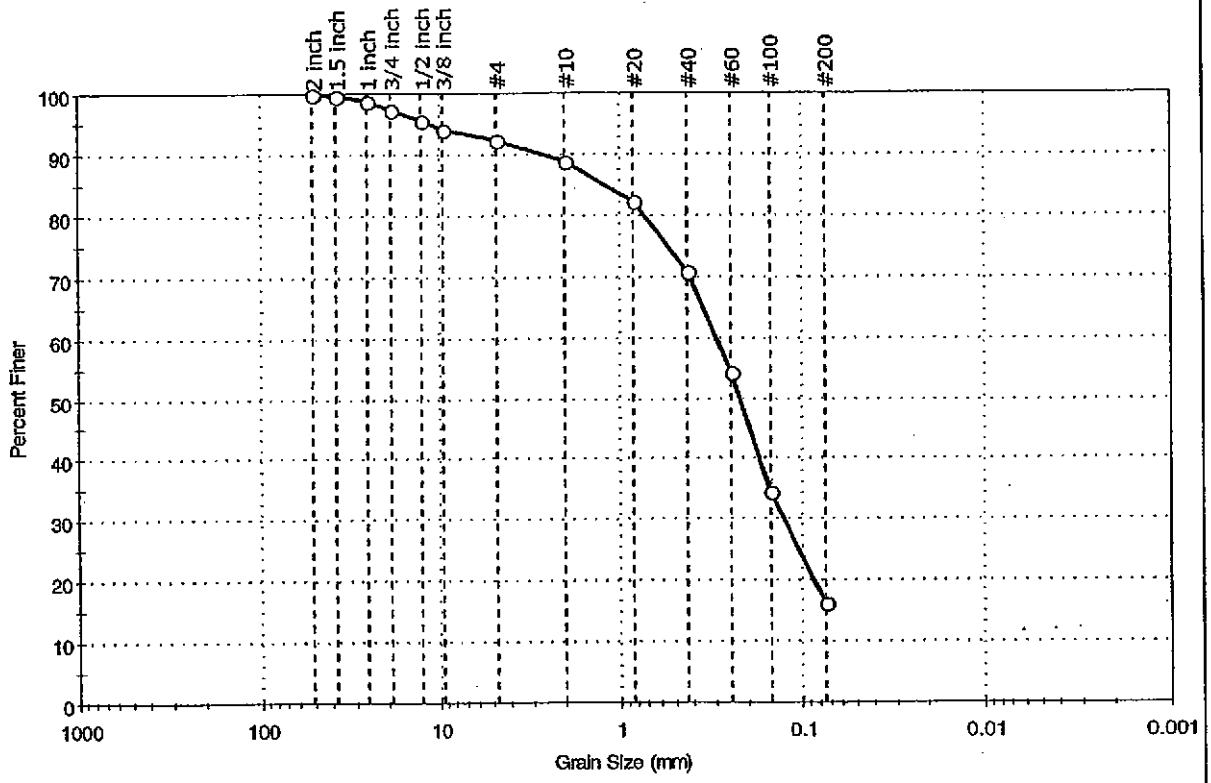
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0817GF	Test Date: 08/18/04	Checked By:	jdt
Depth : ---	Test Id: 58555		
Sample Description:	Moist, dark yellowish brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	7.7	75.9	16.4

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
2 inch	50.80	100		
1.5 inch	38.10	100		
1 inch	25.70	99		
3/4 inch	19.00	97		
1/2 inch	12.70	96		
3/8 inch	9.51	94		
#4	4.75	92		
#10	2.00	89		
#20	0.84	82		
#40	0.42	71		
#60	0.25	54		
#100	0.15	34		
#200	0.075	16		

Coefficients

D_{85} =1.2163 mm D_{30} =0.1267 mm
D_{60} =0.3002 mm D_{15} =N/A
D_{50} =0.2237 mm D_{10} =N/A
C_u =N/A C_c =N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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Transmittal of Documents for Acceptance by EPA*

Date: **09/24/04**

Transmittal No. **45F**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
3.06.B	Field Quality Control - Testing of Delivered Soils	2	
	General Fill:		
	ID#0916GF - 50,000 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

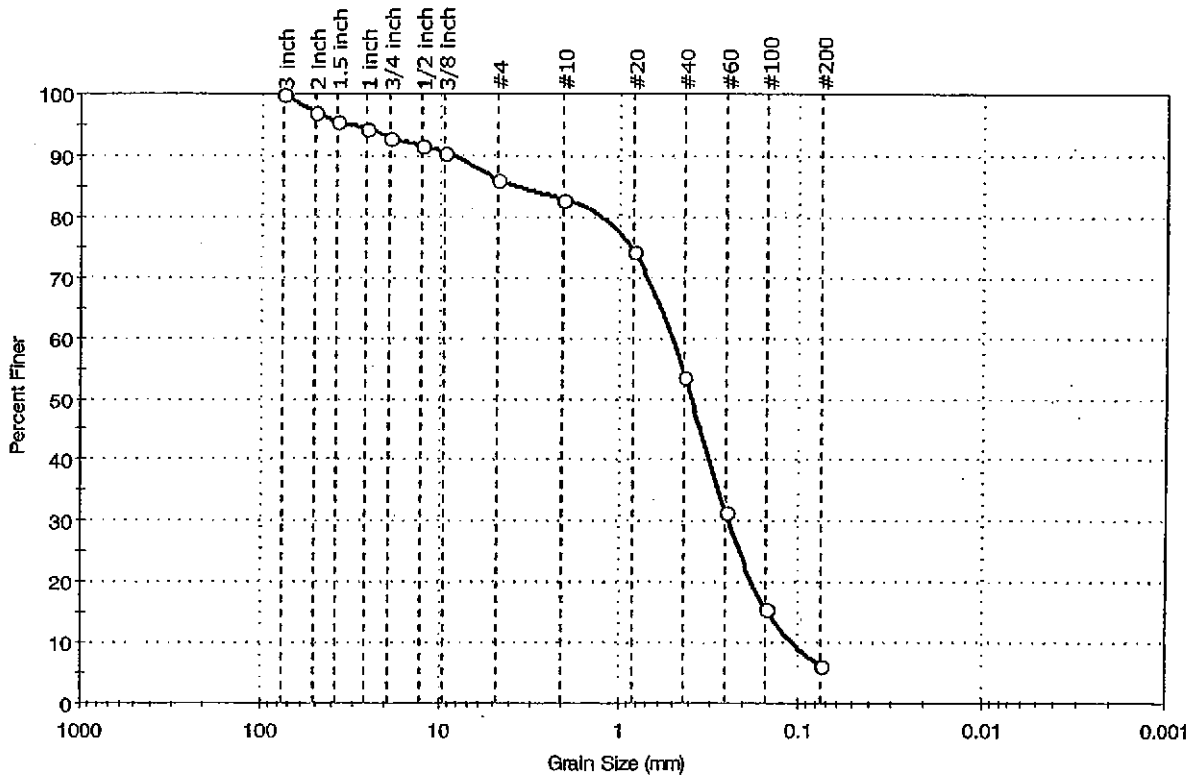
MT 45F

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0916GF	Test Date: 09/20/04	Checked By:	jdt
Depth : ---	Test Id: 60503		
Sample Description:	Moist, olive brown sand with silt		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	13.8	79.9	6.3

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
3 inch	76.10	100		
2 inch	50.80	97		
1.5 inch	38.10	96		
1 inch	25.70	94		
3/4 inch	19.00	93		
1/2 inch	12.70	92		
3/8 inch	9.51	91		
#4	4.75	86		
#10	2.00	83		
#20	0.84	74		
#40	0.42	54		
#60	0.25	31		
#100	0.15	16		
#200	0.075	6		

Coefficients

D_{85} =3.4527 mm	D_{30} =0.2385 mm
D_{60} =0.5233 mm	D_{15} =0.1436 mm
D_{50} =0.3893 mm	D_{10} =0.0990 mm
C_u =5.286	C_c =0.109

Classification

ASTM N/A

AASHTO Fine Sand (A-3 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : HARD

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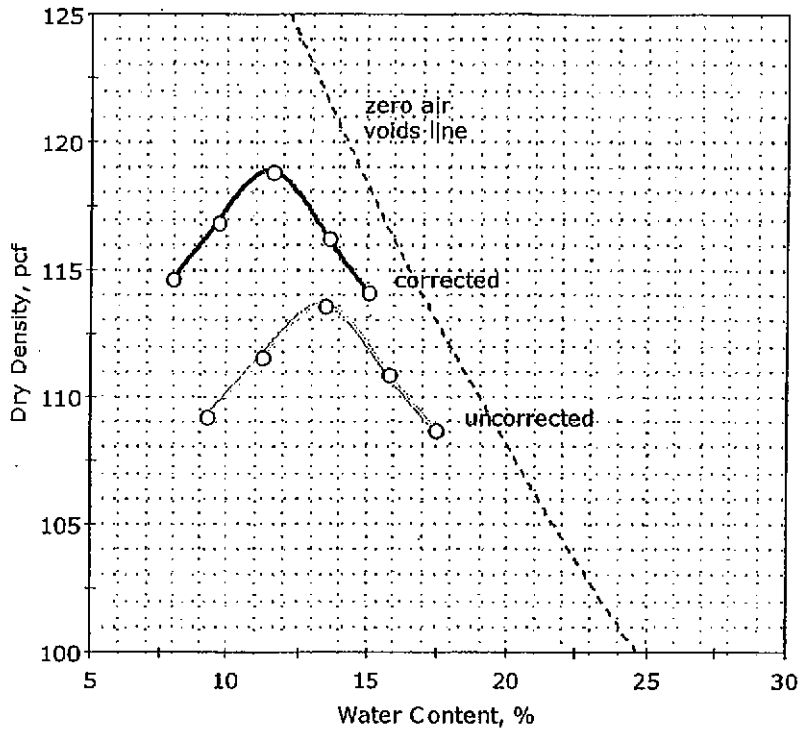
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0916GF	Test Date:	09/21/04	Checked By:	jdt
Depth :	---	Test Id:	60504		
Sample Description:	Moist, olive brown sand with silt				
Sample Comment:	--				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	109.2	111.6	113.7	110.9	108.7
Moisture Content, %	9.2	11.2	13.4	15.8	17.4

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 113.5 pcf
Optimum Moisture= 13.5 %

Oversize Correction (14.0% > #4 Sieve)
Corrected Maximum Dry Density= 119.0 pcf
Corrected Optimum Moisture= 11.5 %
Average Bulk Specific Gravity = 2.65

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ON-SITE REUSE SOILS

Transmittal of Documents for Acceptance by EPA*

Date: 04/19/04

Transmittal No. 20

Specification Section: 02316

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill	2	
2.01.B	General Fill:		
	Reuse Material		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

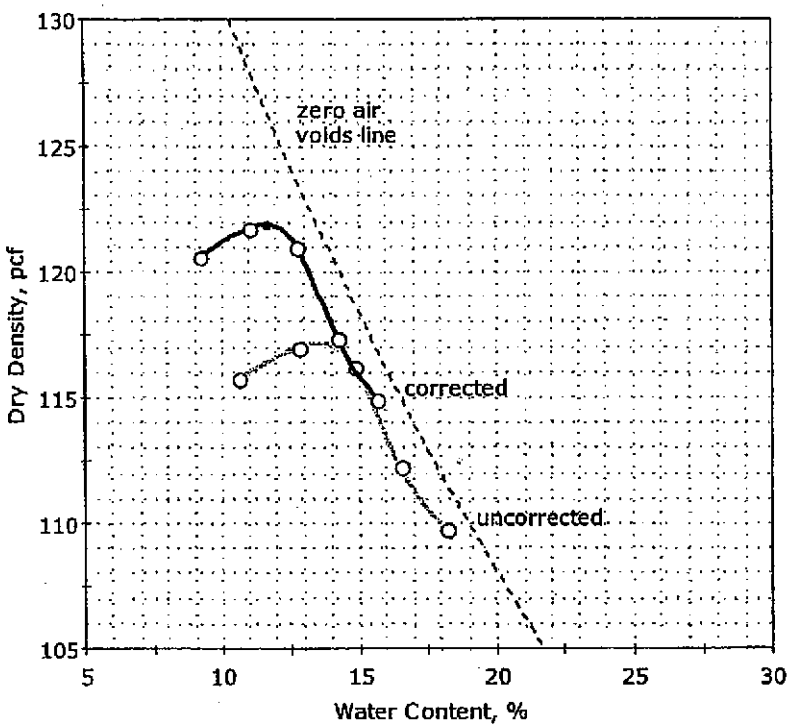
MT 20

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting Express, Inc.

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	Reuse Material	Sample Type:	bucket	Tested By:	ahp
Sample ID:	General Fill	Test Date:	04/16/04	Checked By:	fh
Depth :	---	Test Id:	50663		
Sample Description:	Moist, olive brown silty sand with gravel				
Sample Comment:	—				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	115.7	117.0	116.2	112.3	109.7
Moisture Content, %	10.6	12.8	14.8	16.5	18.2

Method : C

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 117.0 pcf
Optimum Moisture= 13.5 %

Oversize Correction (14.0% > 3/4 inch Sieve)
Corrected Maximum Dry Density= 122.0 pcf
Corrected Optimum Moisture= 11.5 %
Average Bulk Specific Gravity (assumed)= 2.6

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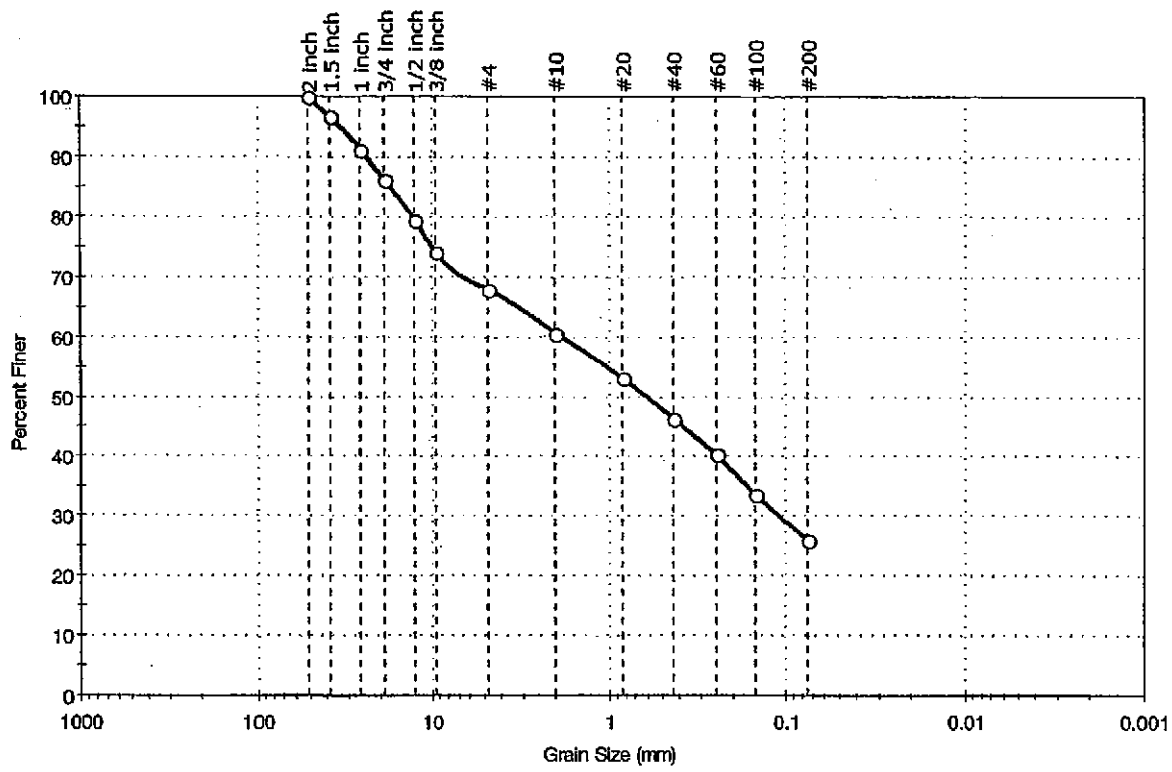
GeoTesting Express, Inc.

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	Reuse Material	Sample Type:	bucket	Tested By:	ahp
Sample ID:	General Fill	Test Date:	04/14/04	Checked By:	jdt
Depth :	---	Test Id:	50658		
Sample Description:	Moist, olive brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	32.1	41.9	26.0

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Compliac
2 inch	50.80	100		
1.5 inch	38.10	97		
1 inch	25.70	91		
3/4 inch	19.00	86		
1/2 inch	12.70	79		
3/8 inch	9.51	74		
#4	4.75	68		
#10	2.00	61		
#20	0.84	53		
#40	0.42	46		
#60	0.25	40		
#100	0.15	34		
#200	0.075	26		

Coefficients

D_{85} = 17.8411 mm D_{30} = 0.1075 mm
D_{60} = 1.8692 mm D_{15} = N/A
D_{50} = 0.6176 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM Silty sand with gravel (SM)

AASHTO Clayey Gravel and Sand (A-2-6 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---
Sand/Gravel Hardness : HARD
Dispersion Device : N/A
Dispersion Period : N/A
Specific Gravity : 2.65 assumed

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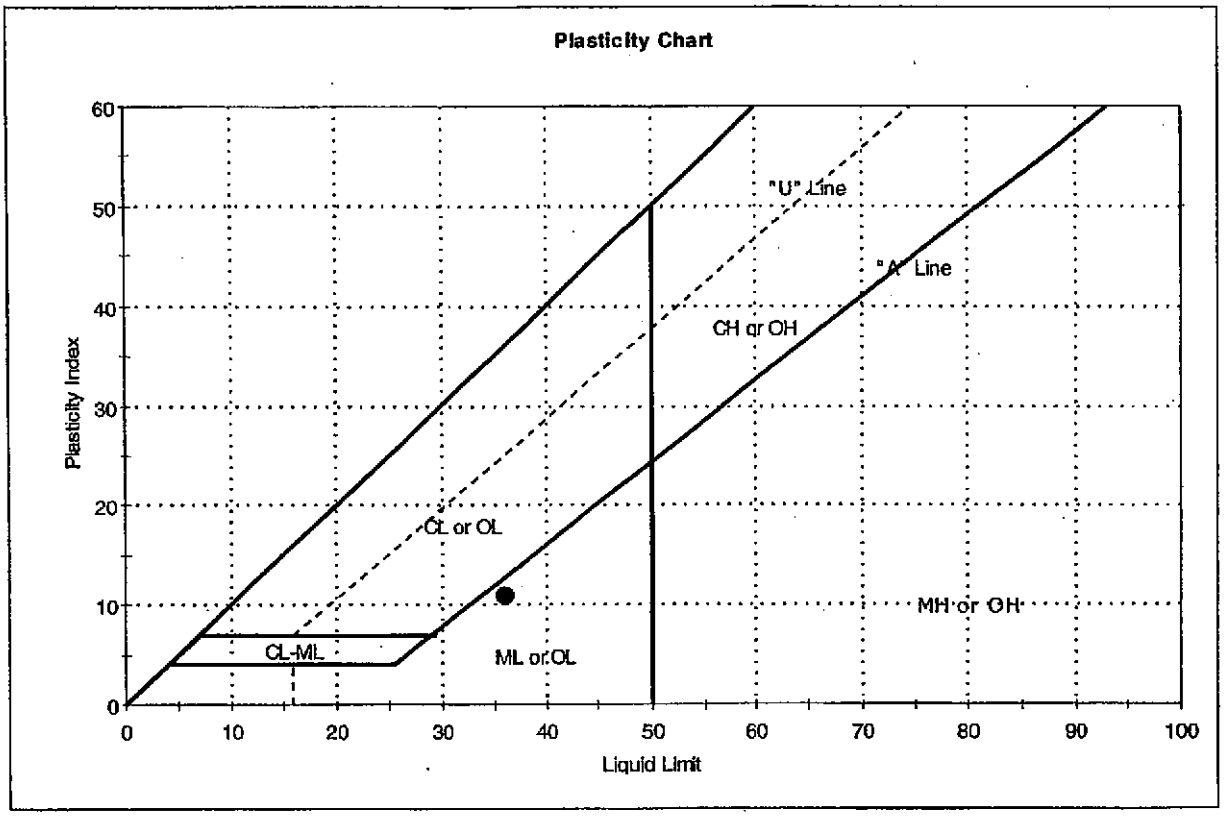
GeoTesting Express, Inc.

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	Reuse Material	Sample Type:	bucket	Tested By:	njh
Sample ID:	General Fill	Test Date:	04/15/04	Checked By:	jdt
Depth :	---	Test Id:	50666		
Sample Description:	Moist, olive brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Atterberg Limits - ASTM D 4318



Symbol	Sample ID	Boring	Depth	Natural Moisture Content, %	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
●	General Fill	Reuse Material	---	19	36	25	11	-0.52	Silty sand with gravel (SM)

Sample Prepared using the WET method
100% Retained on #40 Sieve
Dry Strength: MEDIUM
Dilentancy: SLOW
Toughness: LOW

printed 4/16/2004 10:57:35 AM

Transmittal of Documents for Acceptance by EPA*

Date: **06/24/04**

Transmittal No. **38**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
2.01.B	General Fill - Reuse Material	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

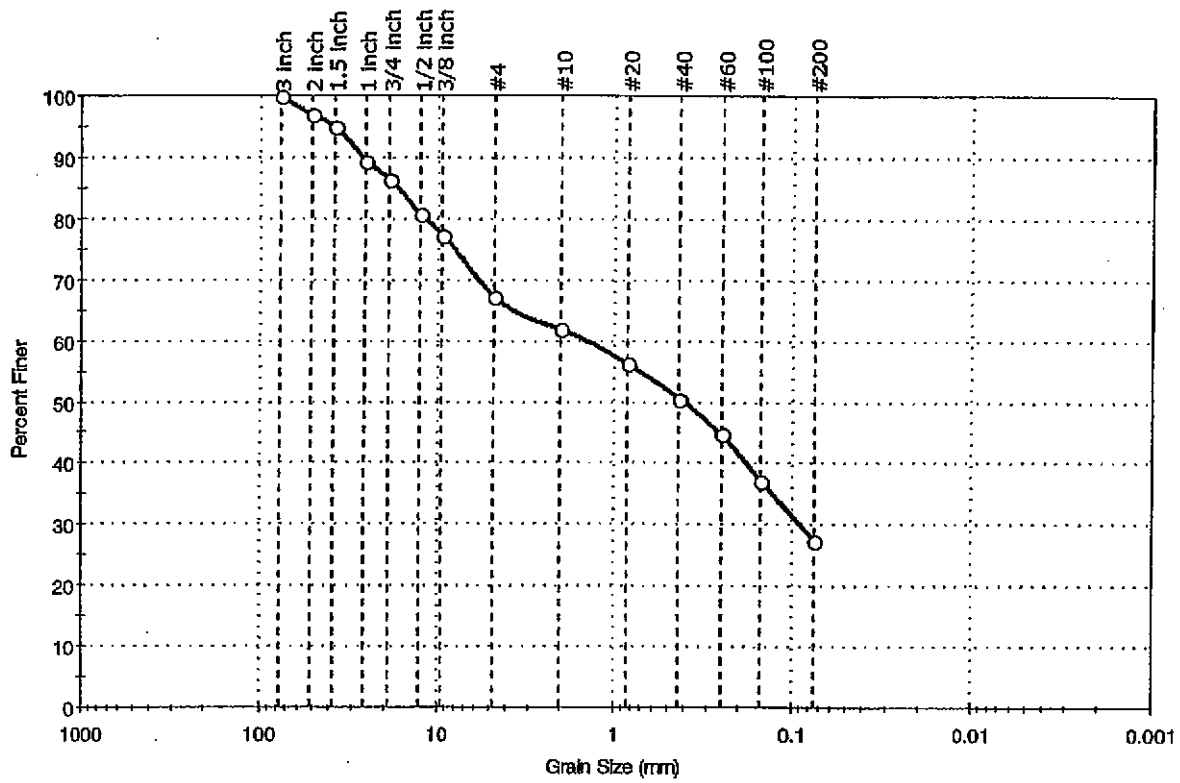
MT 38

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting Express, Inc.

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	tube	Tested By:	ahp
Sample ID:	WR #3	Test Date:	04/29/04	Checked By:	jdt
Depth :	---	Test Id:	51238		
Sample Description:	Moist, dark brown sand with silt and gravel				
Sample Comment:	---				
Test Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	32.8	39.7	27.5

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
3 inch	76.10	100		
2 inch	50.80	97		
1.5 inch	38.10	95		
1 inch	25.70	89		
3/4 inch	19.00	86		
1/2 inch	12.70	81		
3/8 inch	9.51	77		
#4	4.75	67		
#10	2.00	62		
#20	0.84	56		
#40	0.42	51		
#60	0.25	45		
#100	0.15	37		
#200	0.075	28		

Coefficients

D_{85} = 17.1420 mm D_{30} = 0.0893 mm
D_{60} = 1.4945 mm D_{15} = N/A
D_{50} = 0.4043 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD
Dispersion Device : N/A
Dispersion Period : N/A
Specific Gravity : 2.65 assumed

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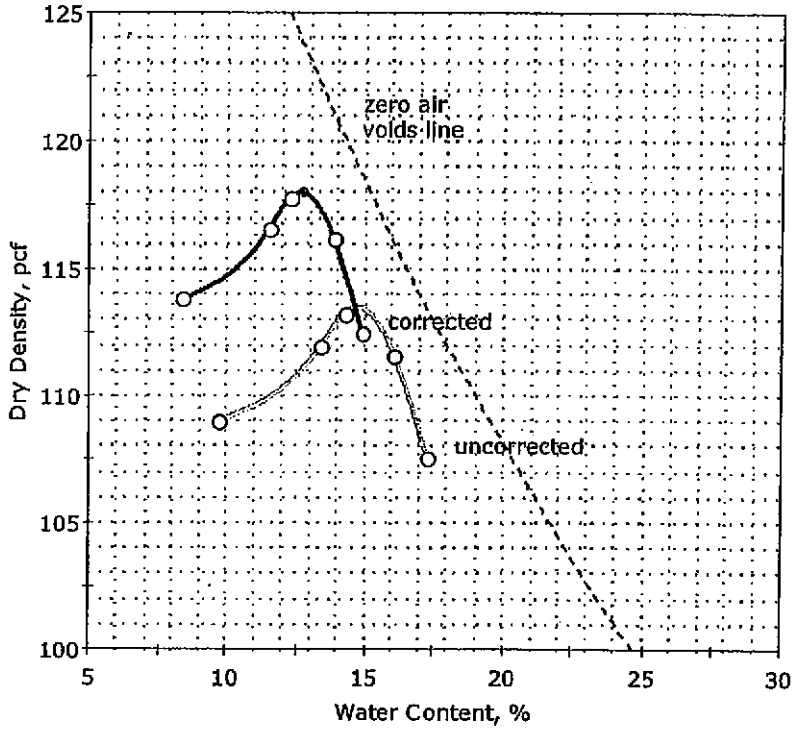
GeoTesting Express, Inc.

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: tube	Tested By:	ahp
Sample ID: WR #3	Test Date: 04/29/04	Checked By:	jdt
Depth : ---	Test Id: 51239		
Sample Description:	Moist, dark brown sand with silt and gravel		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	109.0	112.0	113.3	111.6	107.6
Moisture Content, %	9.7	13.4	14.2	16.1	17.3

Method : C

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 113.5 pcf

Optimum Moisture= 14.5 %

Oversize Correction (14.0% > 3/4 inch Sieve)

Corrected Maximum Dry Density= 118.0 pcf

Corrected Optimum Moisture= 12.5 %

Average Bulk Specific Gravity (assumed)= 2.5

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GeoTesting Express, Inc.

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: WR #3	Test Date: 06/23/04	Checked By:	jdt
Depth : ---	Test Id: 54455		
Sample Description:	Moist, dark brown silty sand with gravel		
Sample Comment:	---		
Test Comment:	---		

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
●	WR #3	---	---	11	n/a	n/a	0	n/a	Silty sand with gravel (SM)

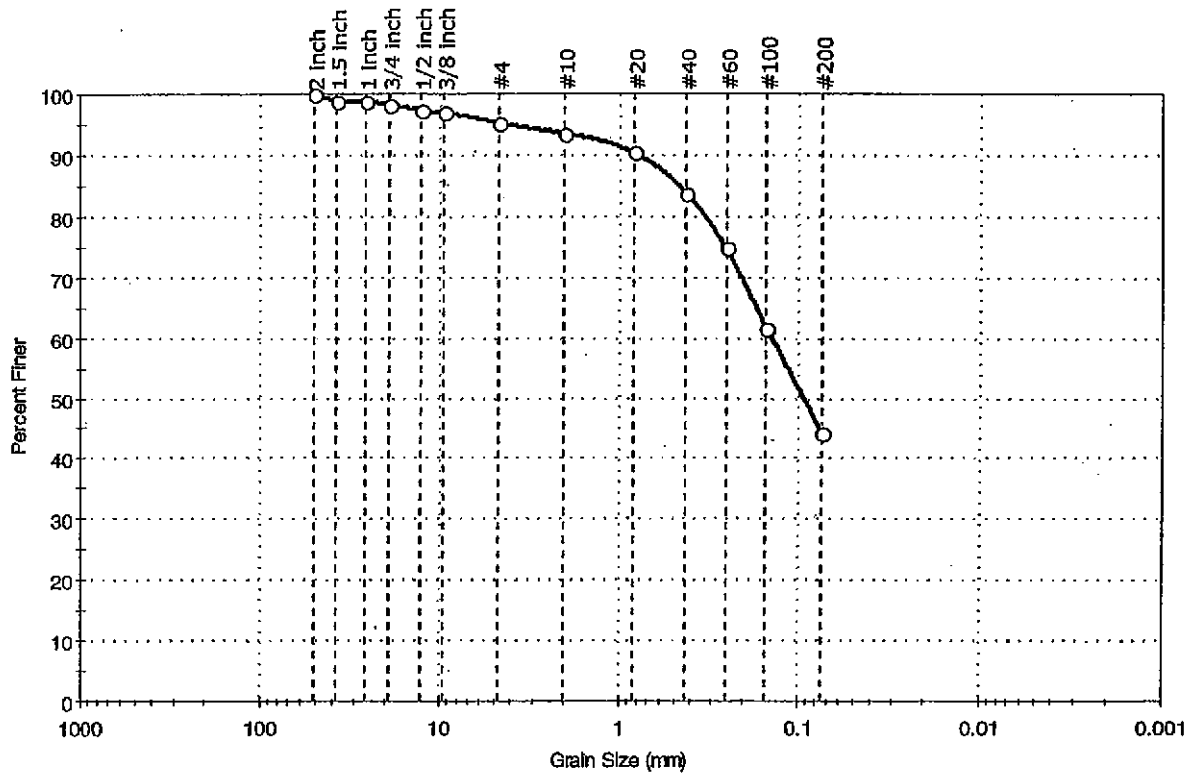
100% Retained on #40 Sieve
Dry Strength: n/a
Dilentancy: n/a
Toughness: n/a
The sample was determined to be Non-Plastic

printed 6/24/2004 7:45:25 AM

GeoTesting Express, Inc.

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	njh
Sample ID: LF#1	Test Date: 06/14/04	Checked By:	jdt
Depth : ---	Test Id: 53968		
Sample Description:	Moist, dark brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	4.7	51.0	44.3

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
2 inch	50.80	100		
1.5 inch	38.10	99		
1 inch	25.70	99		
3/4 inch	19.00	98		
1/2 inch	12.70	97		
3/8 inch	9.51	97		
#4	4.75	95		
#10	2.00	94		
#20	0.84	90		
#40	0.42	84		
#60	0.25	75		
#100	0.15	62		
#200	0.075	44		

Coefficients

D_{85} = 0.4801 mm D_{30} = N/A
D_{60} = 0.1389 mm D_{15} = N/A
D_{50} = 0.0937 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD
Dispersion Device : N/A
Dispersion Period : N/A
Specific Gravity : 2.65 assumed

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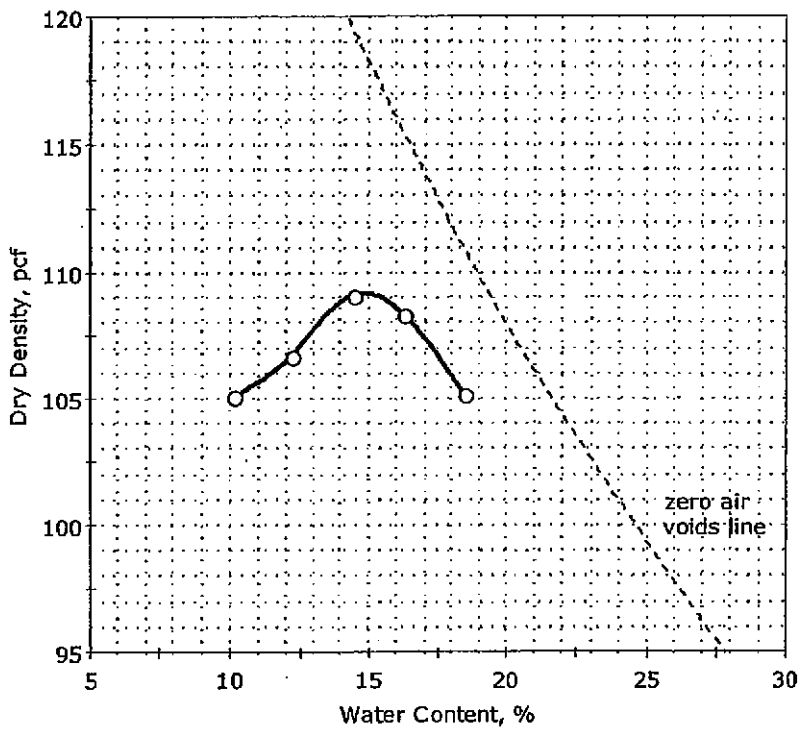
GeoTesting Express, Inc.

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	cmt
Sample ID:	LF#1	Test Date:	06/14/04	Checked By:	jdt
Depth :	---	Test Id:	53969		
Sample Description:	Moist, dark brown silty sand				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	105.1	106.7	109.1	108.3	105.2
Moisture Content, %	10.1	12.2	14.5	16.3	18.4

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 109.0 pcf

Optimum Moisture= 15.0 %

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GeoTesting Express, Inc.

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: LF#1	Test Date: 06/23/04	Checked By:	jdt
Depth : ---	Test Id: 54456		
Sample Description:	Moist, dark brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
●	LF#1	---	---	19	n/a	n/a	0	n/a	Silty sand (SM)

100% Retained on #40 Sieve
Dry Strength: n/a
Dilentancy: n/a
Toughness: n/a
The sample was determined to be Non-Plastic

printed 6/24/2004 7:45:45 AM

Transmittal of Documents for Acceptance by EPA*

Date: 07/12/04

Transmittal No. 44

Specification Section: 02316

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
2.01.B	General Fill - Reuse Material [Windrow 5, 4, & 6]	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

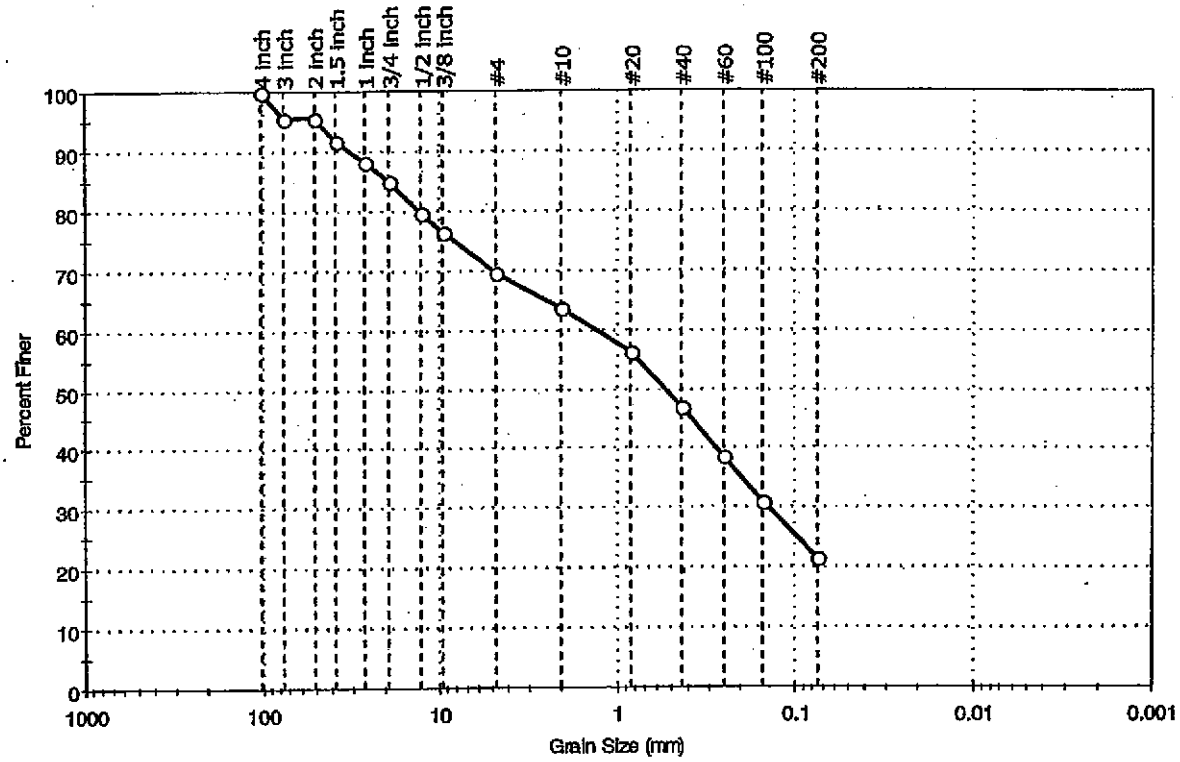
MT 44

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: WR #4	Test Date: 06/23/04	Checked By:	fh
Depth : ---	Test Id: 54663		
Sample Description:	Moist, dark olive brown silty sand with gravel		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	30.5	47.9	21.6

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Compliec
4 inch	101.60	100		
3 inch	76.10	95		
2 inch	50.80	95		
1.5 inch	38.10	92		
1 inch	25.70	88		
3/4 inch	19.00	85		
1/2 inch	12.70	80		
3/8 inch	9.51	76		
#4	4.75	69		
#10	2.00	64		
#20	0.84	56		
#40	0.42	47		
#60	0.25	39		
#100	0.15	31		
#200	0.075	22		

Coefficients

D_{85} = 19.0803 mm D_{30} = 0.1401 mm
D_{60} = 1.2945 mm D_{15} = N/A
D_{50} = 0.5334 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM Silty sand with gravel (SM)

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD
Dispersion Device : N/A
Dispersion Period : N/A
Specific Gravity : 2.65 assumed

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GeoTesting express

Client:	N.L. Construction, Inc.				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	WR #4	Test Date:	06/24/04	Checked By:	fh
Depth :	---	Test Id:	54669		
Sample Description:	Moist, dark olive brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
●	WR #4	---	---	5	n/a	n/a	0	n/a	Silty sand with gravel (SM)

53% Retained on #40 Sieve

Dry Strength: n/a

Dilentancy: n/a

Toughness: n/a

The sample was determined to be Non-Plastic

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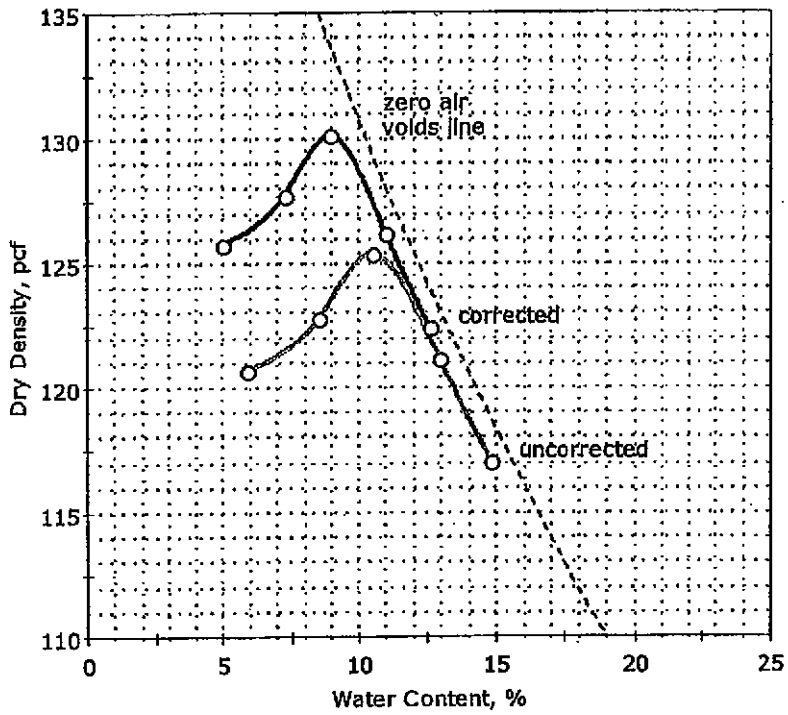
GeoTesting express

Client:	N.L. Construction, Inc.				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	mch
Sample ID:	WR #4	Test Date:	06/24/04	Checked By:	fh
Depth :	---	Test Id:	54666		
Sample Description:	Moist, dark olive brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	120.7	122.8	125.4	121.2	117.0
Moisture Content, %	5.8	8.5	10.5	12.9	14.8

Method : C

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 125.5 pcf
Optimum Moisture= 10.5 %

Oversize Correction (15.0% > 3/4 inch Sieve)
Corrected Maximum Dry Density= 130.0 pcf
Corrected Optimum Moisture= 9.0 %
Average Bulk Specific Gravity (assumed)= 2.65

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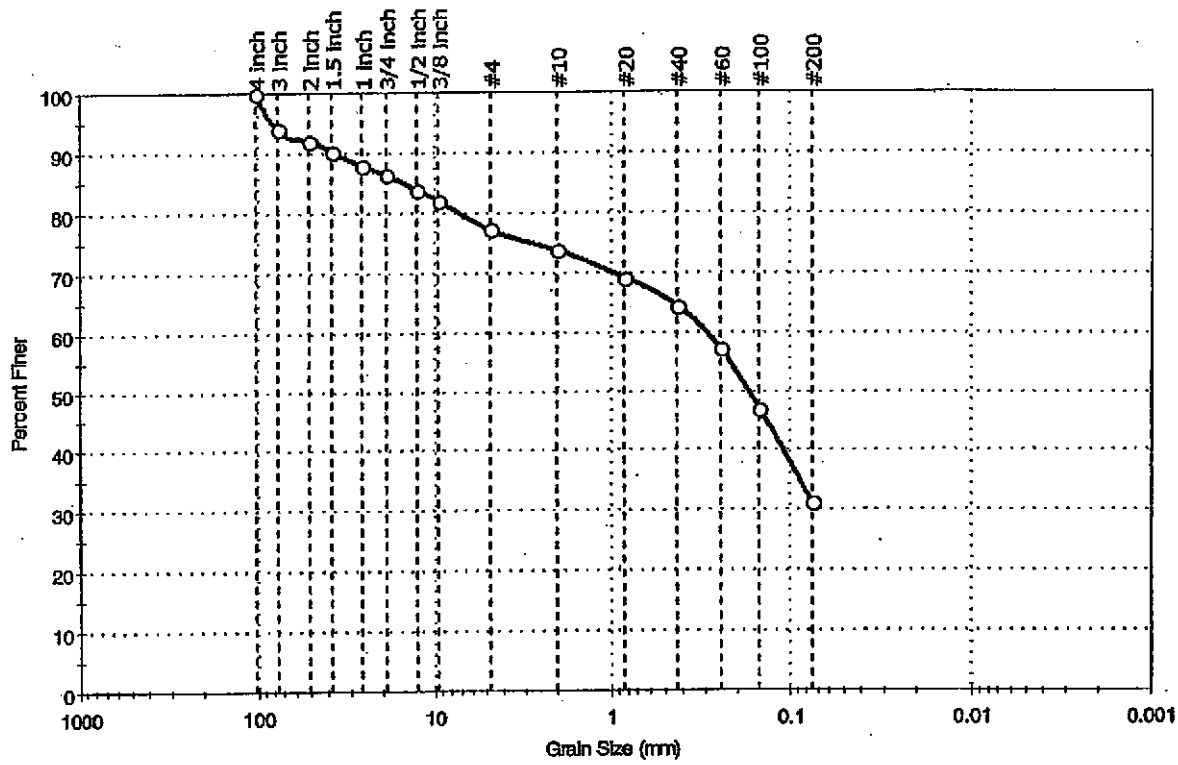
GeoTesting express

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: WR #5	Test Date: 06/24/04	Checked By:	fh
Depth : ---	Test Id: 54664		
Sample Description:	Moist, olive brown silty sand with gravel		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	22.8	45.9	31.3

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Compliant
4 inch	101.60	100		
3 inch	76.10	94		
2 inch	50.80	92		
1.5 inch	38.10	90		
1 inch	25.70	88		
3/4 inch	19.00	86		
1/2 inch	12.70	84		
3/8 inch	9.51	82		
#4	4.75	77		
#10	2.00	74		
#20	0.84	69		
#40	0.42	64		
#60	0.25	57		
#100	0.15	47		
#200	0.075	31		

Coefficients

D_{85} = 15.3034 mm	D_{30} = N/A
D_{60} = 0.3050 mm	D_{15} = N/A
D_{50} = 0.1732 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM Silty sand with gravel (SM)

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65 assumed

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GeoTesting express

Client:	N.L. Construction, Inc.				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	WR #5	Test Date:	06/25/04	Checked By:	fh
Depth :	---	Test Id:	54670		
Sample Description:	Moist, olive brown silty sand with gravel				
Sample Comment:	—				
Test Comment:	---				

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

Symbol	Sample ID	Boring	Depth	Natural Moisture Content %	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
●	WR #5	---	---	11	n/a	n/a	0	n/a	Silty sand with gravel (SM)

35% Retained on #40 Sieve

Dry Strength: n/a

Dilentancy: n/a

Toughness: n/a

The sample was determined to be Non-Plastic

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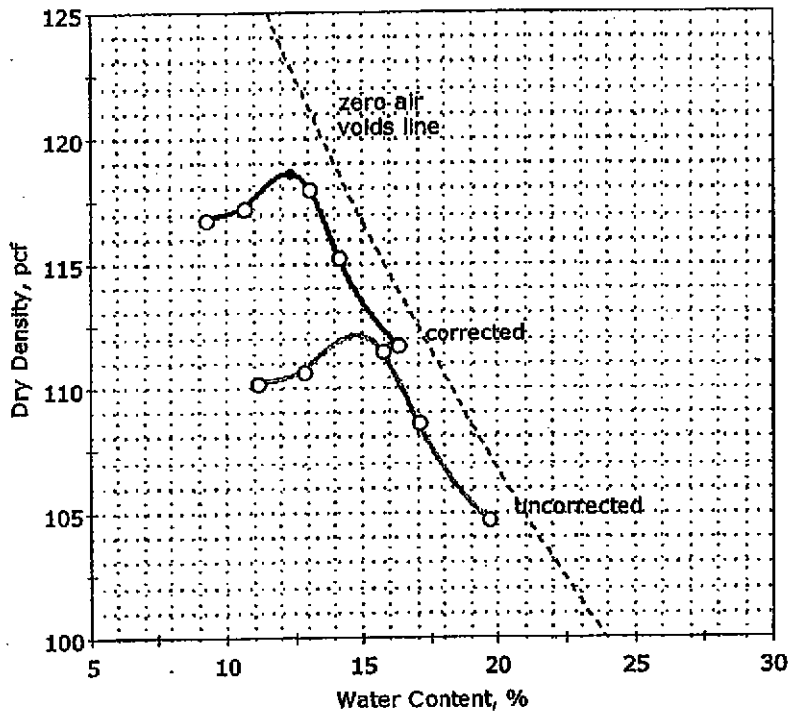
GeoTesting express

Client:	N.L. Construction, Inc.				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	mch
Sample ID:	WR #5	Test Date:	06/24/04	Checked By:	fh
Depth :	---	Test Id:	54667		
Sample Description:	Moist, olive brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	110.2	110.7	111.5	108.6	104.7
Moisture Content, %	11.1	12.8	15.7	17.0	19.6

Method : B

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.6

Maximum Dry Density=	112.0 pcf
Optimum Moisture=	15.0 %
Oversize Correction	(17.0% > 3/8 inch Sieve)
Corrected Maximum Dry Density=	118.5 pcf
Corrected Optimum Moisture=	12.5 %
Average Bulk Specific Gravity (assumed)=	2.65

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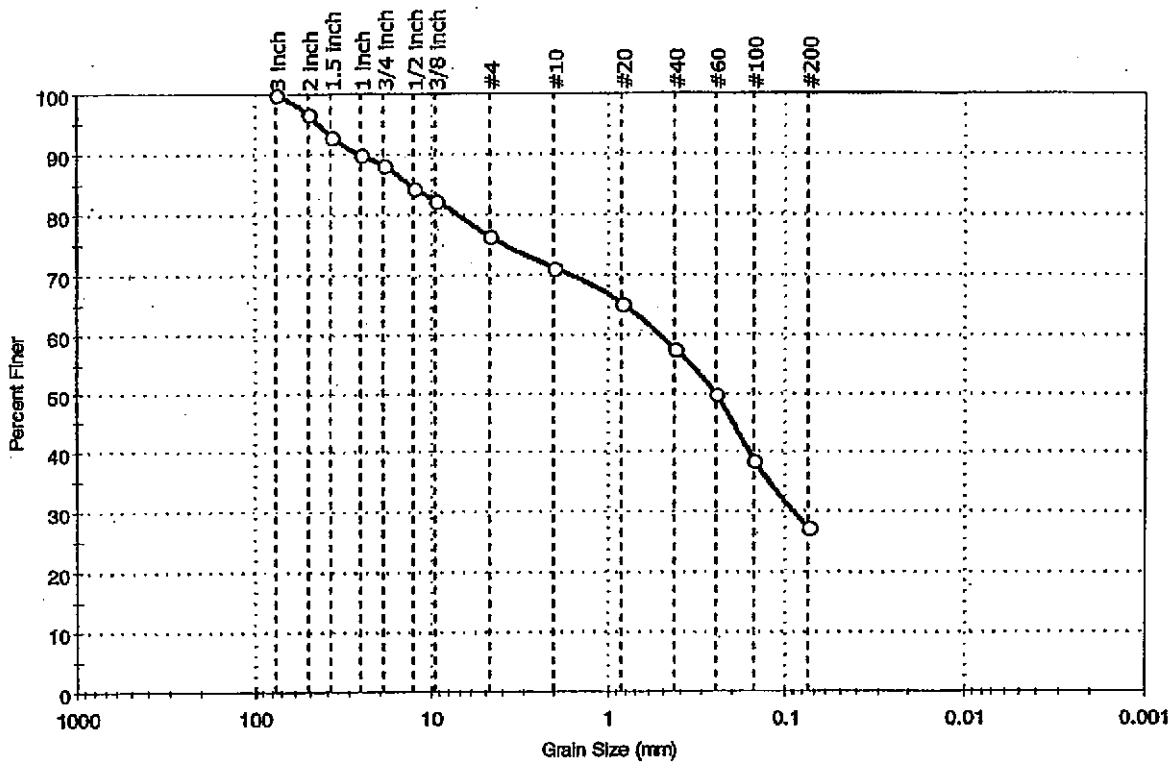
GeoTesting express

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: WR #6	Test Date: 06/23/04	Checked By:	fh
Depth : ---	Test Id: 54665		
Sample Description:	Moist, dark yellowish brown silty sand with gravel		
Sample Comment:			
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	23.7	48.9	27.3

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
3 inch	76.10	100		
2 inch	50.80	97		
1.5 inch	38.10	93		
1 inch	25.70	90		
3/4 inch	19.00	88		
1/2 inch	12.70	85		
3/8 inch	9.51	82		
#4	4.75	76		
#10	2.00	71		
#20	0.84	65		
#40	0.42	57		
#60	0.25	50		
#100	0.15	39		
#200	0.075	27		

Coefficients

D_{85} = 13.4232 mm	D_{30} = 0.0881 mm
D_{60} = 0.5315 mm	D_{15} = N/A
D_{50} = 0.2508 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM Silty sand with gravel (SM)

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65 assumed

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GeoTesting express

Client:	N.L. Construction, Inc.				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	WR #6	Test Date:	06/25/04	Checked By:	fh
Depth :	---	Test Id:	54671		
Sample Description:	Moist, Dark yellowish brown silty sand with gravel				
Sample Comment:					
Test Comment:	---				

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

Symbol	Sample ID	Boring	Depth	Natural Moisture Content %	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
●	WR #6	---	---	8	n/a	n/a	0	n/a	Silty sand with gravel (SM)

42% Retained on #40 Sieve

Dry Strength: n/a

Dilentancy: n/a

Toughness: n/a

The sample was determined to be Non-Plastic

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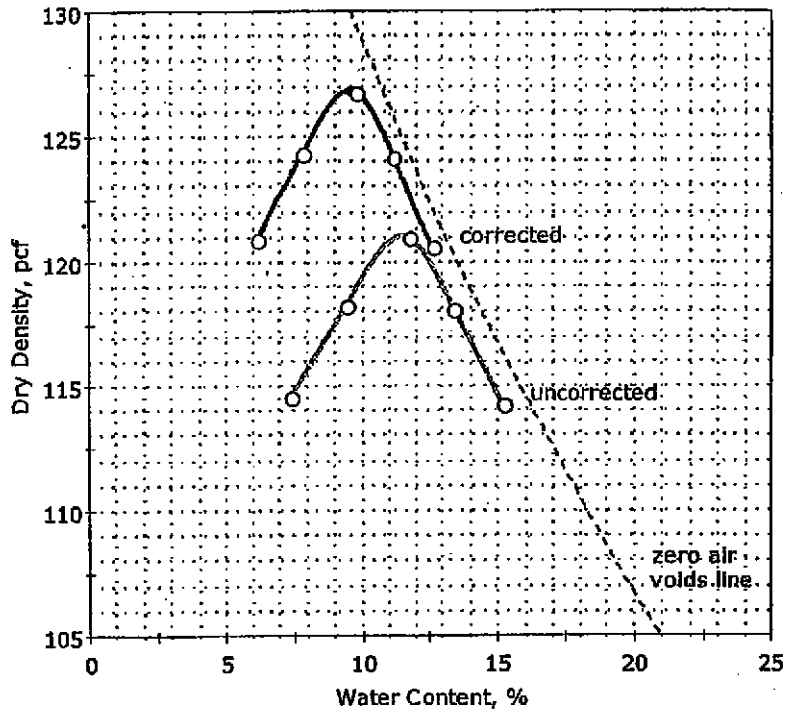
GeoTesting express

Client:	N.L. Construction, Inc.				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	mch
Sample ID:	WR #6	Test Date:	06/24/04	Checked By:	fh
Depth :	---	Test Id:	54668		
Sample Description:	Moist, dark yellowish brown silty sand with gravel				
Sample Comment:					
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	114.6	118.3	121.0	118.1	114.2
Moisture Content, %	7.4	9.4	11.7	13.4	15.2

Method : B

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.6

Maximum Dry Density= 121.0 pcf
Optimum Moisture= 11.5 %

Oversize Correction (17.0% > 3/8 inch Sieve)
Corrected Maximum Dry Density= 127.0 pcf
Corrected Optimum Moisture= 9.5 %
Average Bulk Specific Gravity (assumed)= 2.65

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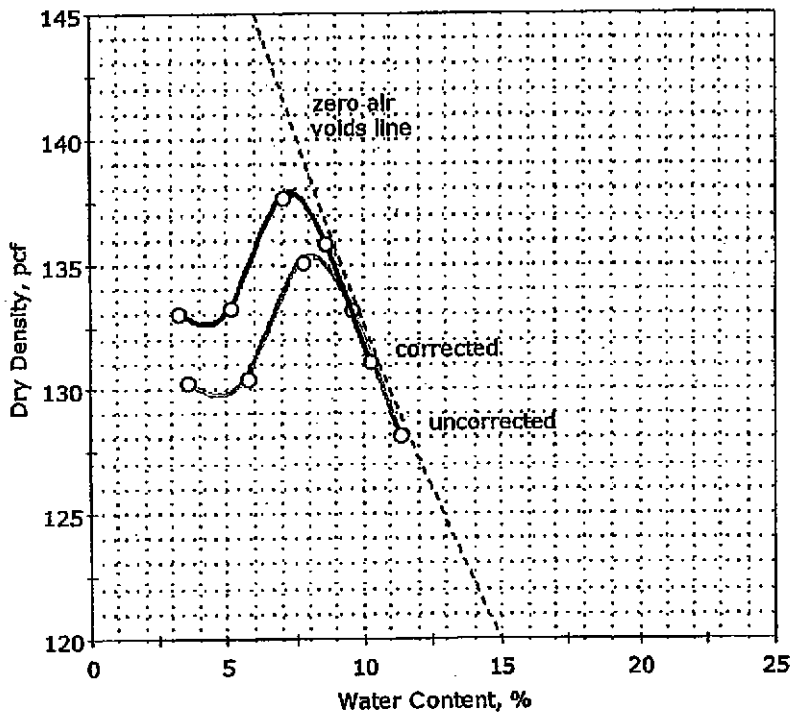
GeoTesting express

Client:	N.L. Construction, Inc.				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	cmt
Sample ID:	0611GF	Test Date:	06/15/04	Checked By:	fh
Depth :	---	Test Id:	53974		
Sample Description:	Moist, dark olive brown sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	130.3	130.5	135.2	133.3	128.2
Moisture Content, %	3.5	5.7	7.7	9.5	11.3

Method : C

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.7

Maximum Dry Density=	135.5 pcf
Optimum Moisture=	8.0 %
Oversize Correction	(10.0% > 3/4 inch Sieve)
Corrected Maximum Dry Density=	138.0 pcf
Corrected Optimum Moisture=	7.5 %
Average Bulk Specific Gravity (assumed)=	2.65

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Transmittal of Documents for Acceptance by EPA*

Date: **08/20/04**

Transmittal No. **75**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
2.01.B	General Fill - Reuse Material [Windrow 8]	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

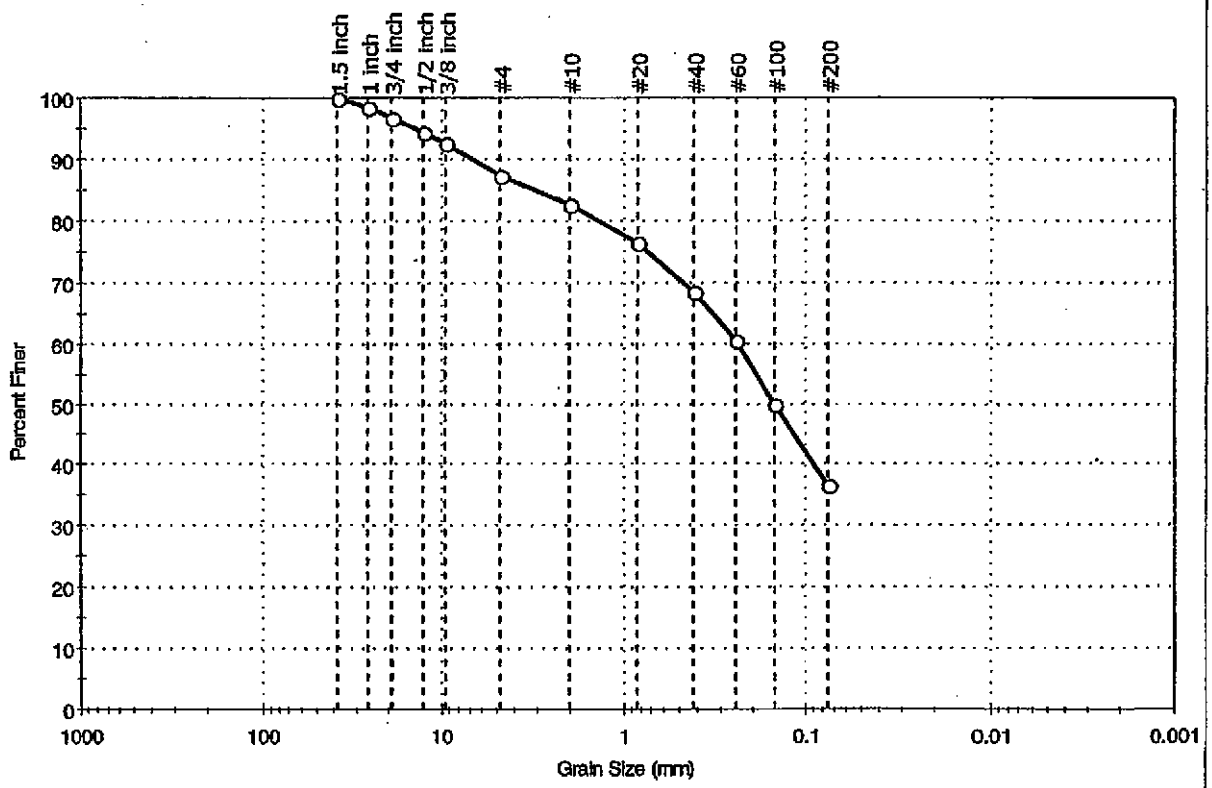
MT 75

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: WR#8	Test Date: 08/10/04	Checked By:	jdt
Depth : ---	Test Id: 57936		
Sample Description:	Moist, dark yellowish brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	12.6	50.9	36.5

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Compliance
1.5 inch	38.10	100		
1 inch	25.70	98		
3/4 inch	19.00	97		
1/2 inch	12.70	94		
3/8 inch	9.51	93		
#4	4.75	87		
#10	2.00	83		
#20	0.84	76		
#40	0.42	68		
#60	0.25	61		
#100	0.15	50		
#200	0.075	37		

Coefficients

D_{85} =3.0500 mm	D_{30} =N/A
D_{60} =0.2439 mm	D_{15} =N/A
D_{50} =0.1501 mm	D_{10} =N/A
C_u =N/A	C_c =N/A

Classification

ASTM Silty sand (SM)

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 0

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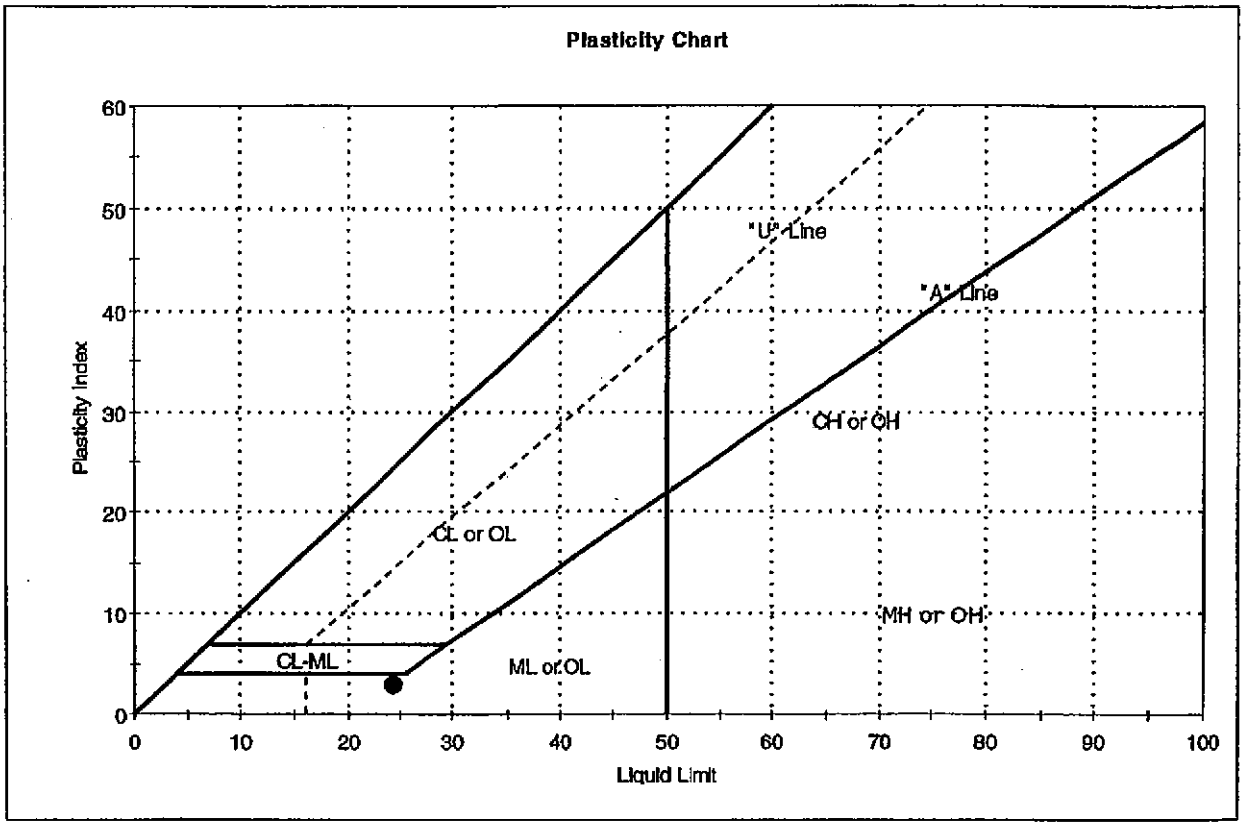
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	WR#8	Test Date:	08/13/04	Checked By:	jdt
Depth :	---	Test Id:	57938		
Sample Description:	Moist, dark yellowish brown silty sand				
Sample Comment:	---				
Test Comment:	---				

Atterberg Limits - ASTM D 4318



Symbol	Sample ID	Boring	Depth	Natural Moisture Content %	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
●	WR#8	---	---	11	24	21	3	-3.41	Silty sand (SM)

Sample Prepared using the WET method
32% Retained on #40 Sieve
Dry Strength: MEDIUM
Dilentancy: RAPID
Toughness: LOW

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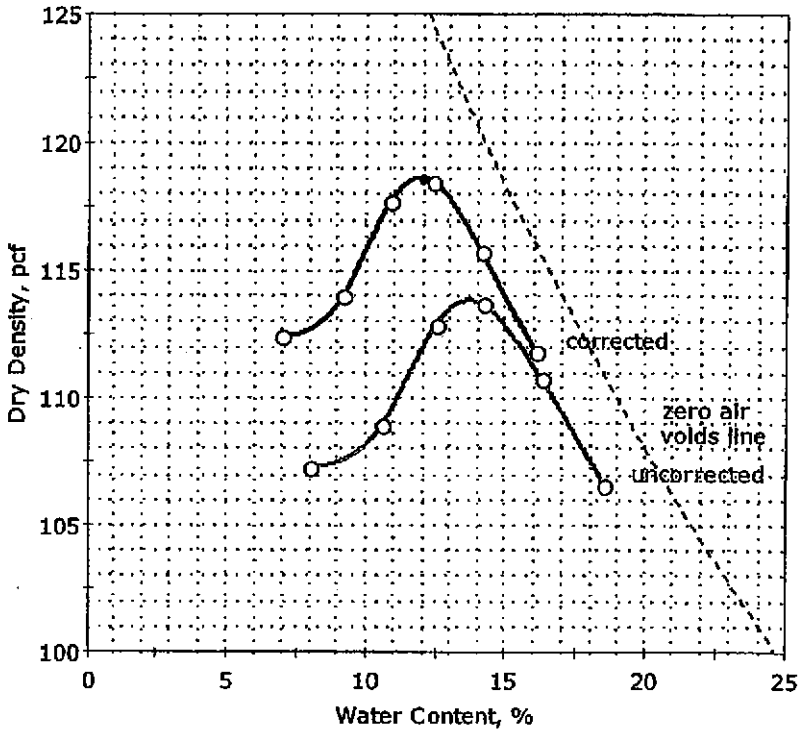
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	WR#8	Test Date:	08/10/04	Checked By:	jdt
Depth :	---	Test Id:	57937		
Sample Description:	Moist, dark yellowish brown silty sand				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
Dry density, pcf	107.3	109.0	112.9	113.7	110.8	106.6
Moisture Content, %	8.0	10.6	12.5	14.2	16.3	18.5

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 114.0 pcf
Optimum Moisture= 13.5 %

Oversize Correction (13.0% > #4 Sieve)
Corrected Maximum Dry Density= 118.5 pcf
Corrected Optimum Moisture= 12.0 %
Average Bulk Specific Gravity = 2.65

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SCREENED GRAVEL

Transmittal of Documents for Acceptance by EPA*

Date: **05/13/04**

Transmittal No. **27**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
2.01.E	Screened Gravel		
	Sieve Analysis	2	none

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

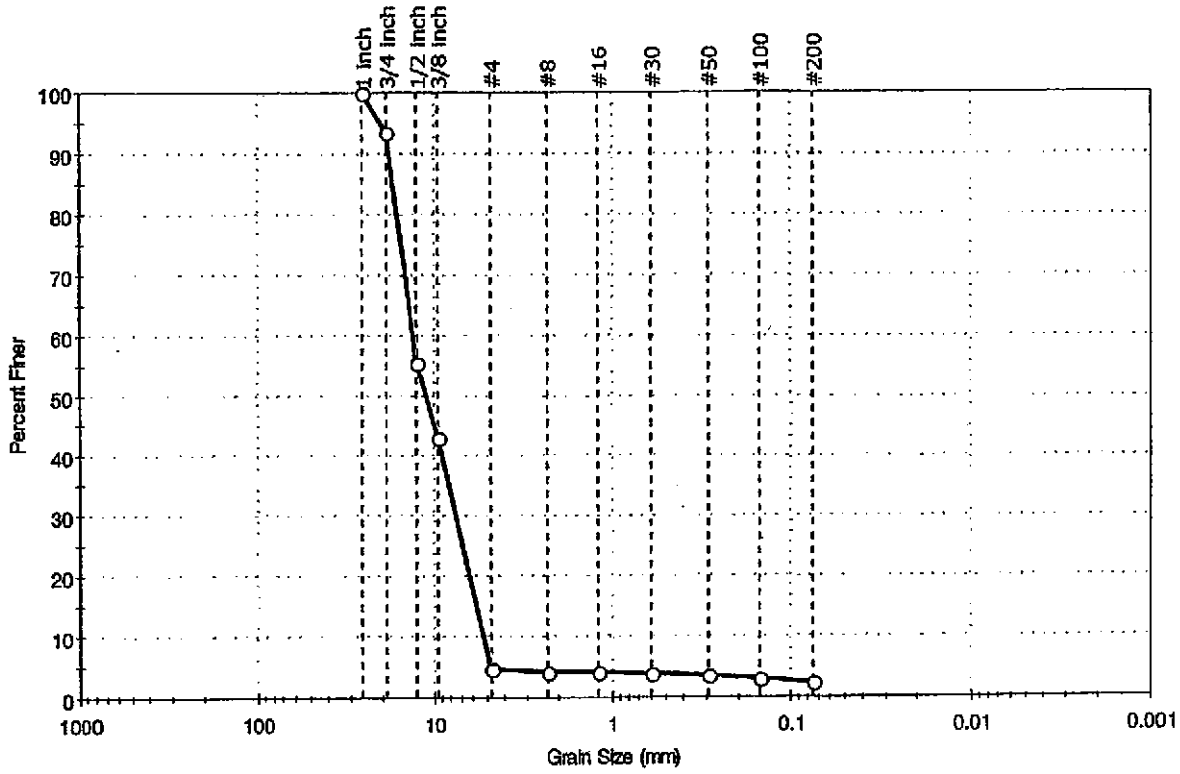
MT 27

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting Express, Inc.

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 3/4" Stone	Test Date: 05/12/04	Checked By:	fh
Depth : ---	Test Id: 52109		
Sample Description:	Moist, olive gray gravel (stone)		
Sample Comment:			
Test Comment:	---		

Particle Size Analysis - ASTM C 136



%Cobble	%Gravel	%Sand	%Silt & Clay Size
–	95.3	2.3	2.4

Sieve Name	Sieve Size (Mm)	Percent Finer	Spec. Percent	Compliant
1 inch	25.70	100		
3/4 inch	19.00	93		
1/2 inch	12.70	55		
3/8 inch	9.51	43		
#4	4.75	5		
#8	2.36	4		
#16	1.19	4		
#30	0.60	4		
#50	0.30	4		
#100	0.15	3		
#200	0.075	2		

Coefficients

D_{85} = 17.3800 mm D_{30} = 7.5104 mm
D_{60} = 13.3316 mm D_{15} = 5.7235 mm
D_{50} = 11.1896 mm D_{10} = 5.2279 mm
C_u = 2.550 C_c = 4.231

Classification

ASTM Poorly graded gravel (GP)

AASHTO Stone Fragments, Gravel and Sand (A-1-a (0))

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR
Sand/Gravel Hardness : HARD
Dispersion Device : N/A
Dispersion Period : N/A
Specific Gravity : 2.65 assumed

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Transmittal of Documents for Acceptance by EPA*

Date: 07/12/04

Transmittal No. 46

Specification Section: 02316

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
3.06.E	Field Quality Control - Testing of Delivered Soils	2	
	Screened Gravel; 5,000 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

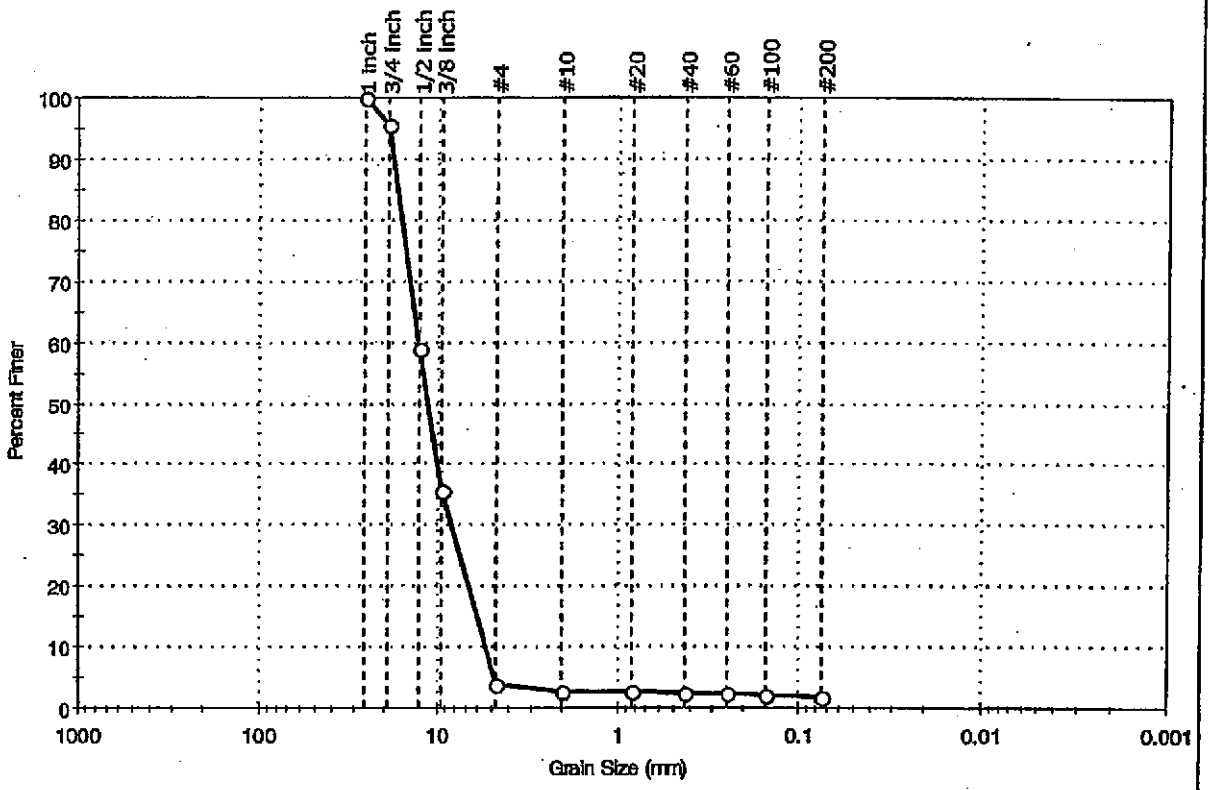
MT 46

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0628S9	Test Date:	07/06/04	Checked By:	fh
Depth :	---	Test Id:	55274		
Sample Description:	Moist, light olive brown gravel				
Sample Comment:	---				
Test Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	96.1	2.0	1.9

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Compliac
1 inch	25.70	100		
3/4 inch	19.00	96		
1/2 inch	12.70	59		
3/8 inch	9.51	36		
#4	4.75	4		
#10	2.00	3		
#20	0.84	3		
#40	0.42	2		
#60	0.25	2		
#100	0.15	2		
#200	0.075	2		

Coefficients

D_{85} = 16.9122 mm	D_{30} = 8.3852 mm
D_{60} = 12.8414 mm	D_{15} = 6.0517 mm
D_{50} = 11.3530 mm	D_{10} = 5.4283 mm
C_u = 2.366	C_c = 5.475

Classification

ASTM Poorly graded gravel (GP)

AASHTO Stone Fragments, Gravel and Sand (A-1-a (0))

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65 assumed

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Transmittal of Documents for Acceptance by EPA*

Date: 07/27/04

Transmittal No. 46A

Specification Section: 02316

CC: Letter of Tranmsittal only
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710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
3.06.E	Field Quality Control - Testing of Delivered Soils	2	
	Screened Gravel; 10,000 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

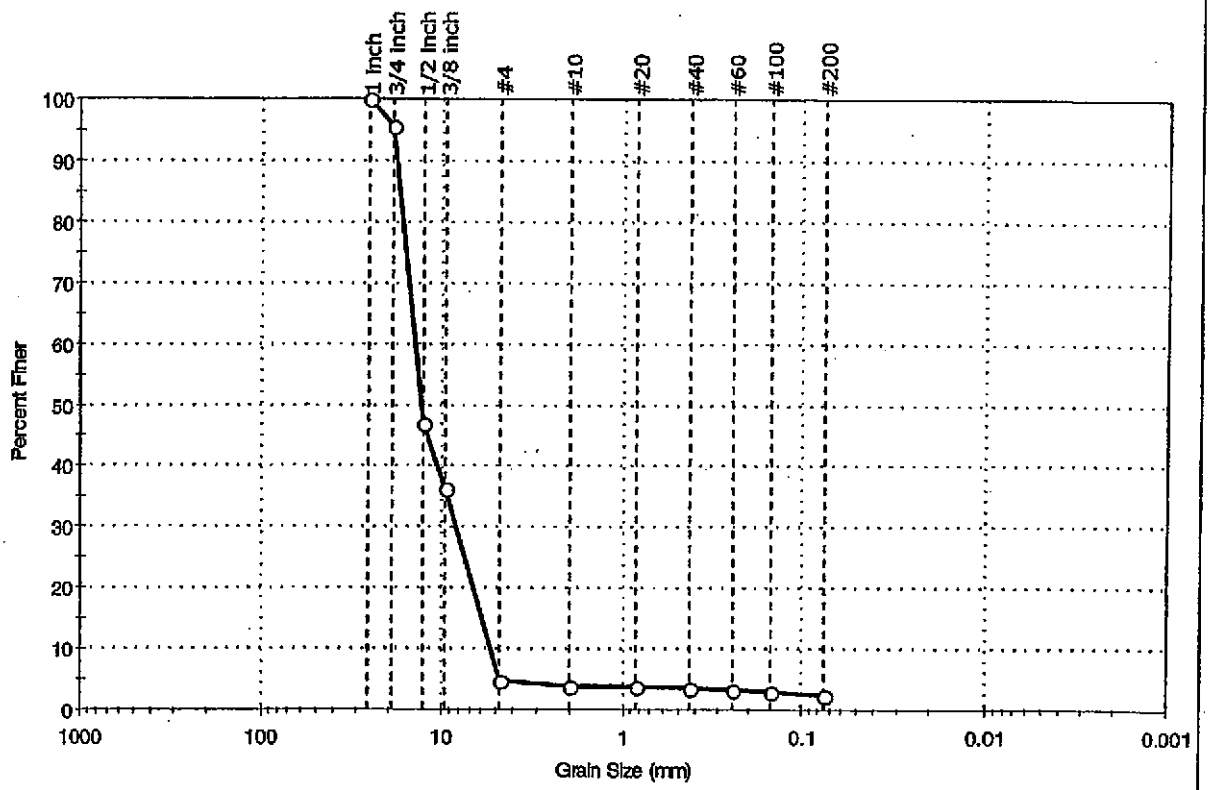
MT 46A

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	SG0714	Test Date:	07/22/04	Checked By:	jdt
Depth :	---	Test Id:	56440		
Sample Description:	Moist, olive brown gravel				
Sample Comment:	---				
Test Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	95.2	2.4	2.4

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Compliac
1 inch	25.70	100		
3/4 inch	19.00	96		
1/2 inch	12.70	47		
3/8 inch	9.51	36		
#4	4.75	5		
#10	2.00	4		
#20	0.84	4		
#40	0.42	4		
#60	0.25	3		
#100	0.15	3		
#200	0.075	2		

Coefficients

D_{85} =17.4022 mm	D_{30} =8.2716 mm
D_{60} =14.1590 mm	D_{15} =5.9468 mm
D_{50} =13.0378 mm	D_{10} =5.3274 mm
C_u =2.658	C_c =4.832

Classification

ASTM Poorly graded gravel (GP)

AASHTO Stone Fragments, Gravel and Sand (A-1-a (0))

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65

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Transmittal of Documents for Acceptance by EPA*

Date: **09/09/04**

Transmittal No. **46B**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
3.06.E	Field Quality Control - Testing of Delivered Soils	2	
	Screened Gravel; 15,000 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

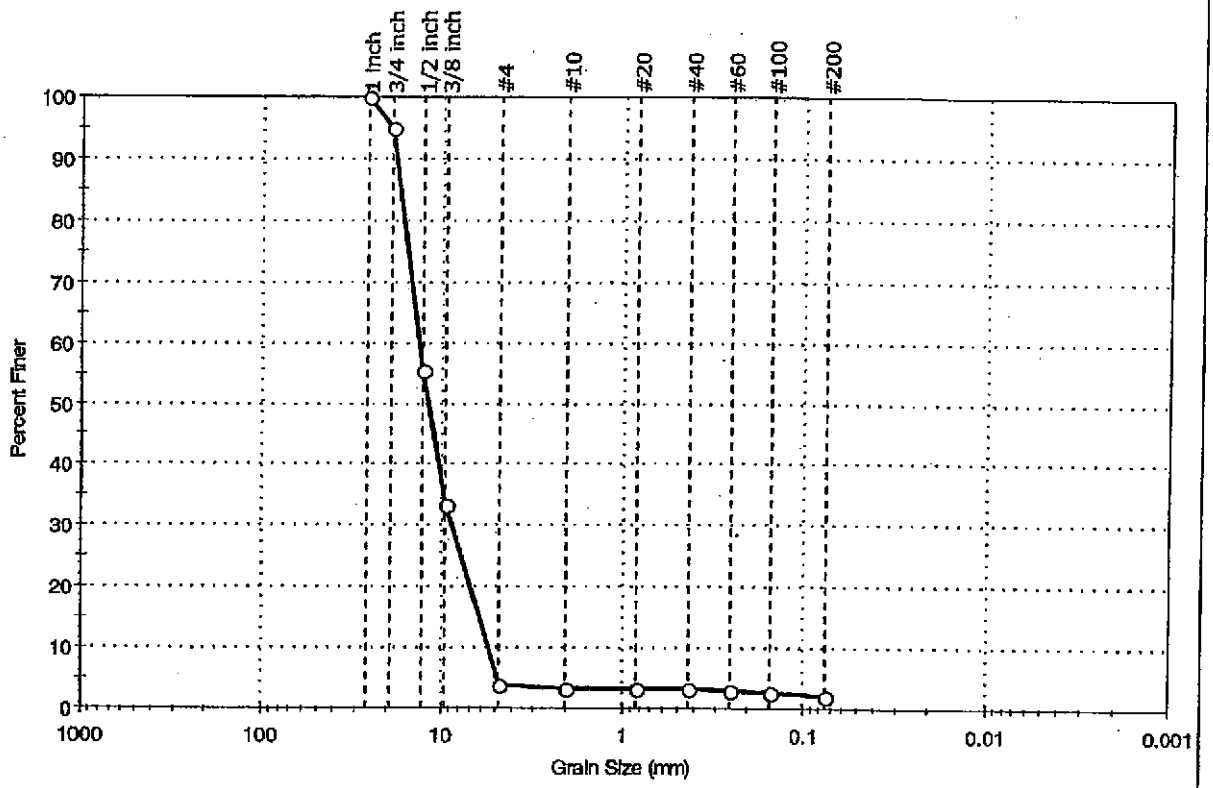
MT 46B

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	SG0715	Test Date:	07/22/04	Checked By:	jdt
Depth :	---	Test Id:	56441		
Sample Description:	Moist, olive brown gravel				
Sample Comment:	---				
Test Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
–	96.1	1.7	2.2

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
1 inch	25.70	100		
3/4 inch	19.00	95		
1/2 inch	12.70	55		
3/8 inch	9.51	33		
#4	4.75	4		
#10	2.00	3		
#20	0.84	3		
#40	0.42	3		
#60	0.25	3		
#100	0.15	3		
#200	0.075	2		

Coefficients

D_{85} = 17.1773 mm	D_{30} = 8.7849 mm
D_{60} = 13.3192 mm	D_{15} = 6.1702 mm
D_{50} = 11.8400 mm	D_{10} = 5.4847 mm
C_u = 2.428	C_c = 5.794

Classification

ASTM: Poorly graded gravel (GP)

AASHTO: Stone Fragments, Gravel and Sand (A-1-a (0))

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65

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LANDFILL GAS VENT SAND

Transmittal of Documents for Acceptance by EPA*

Date: **06/15/04**

Transmittal No. **31**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
2.01.C	Gas Vent Sand	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

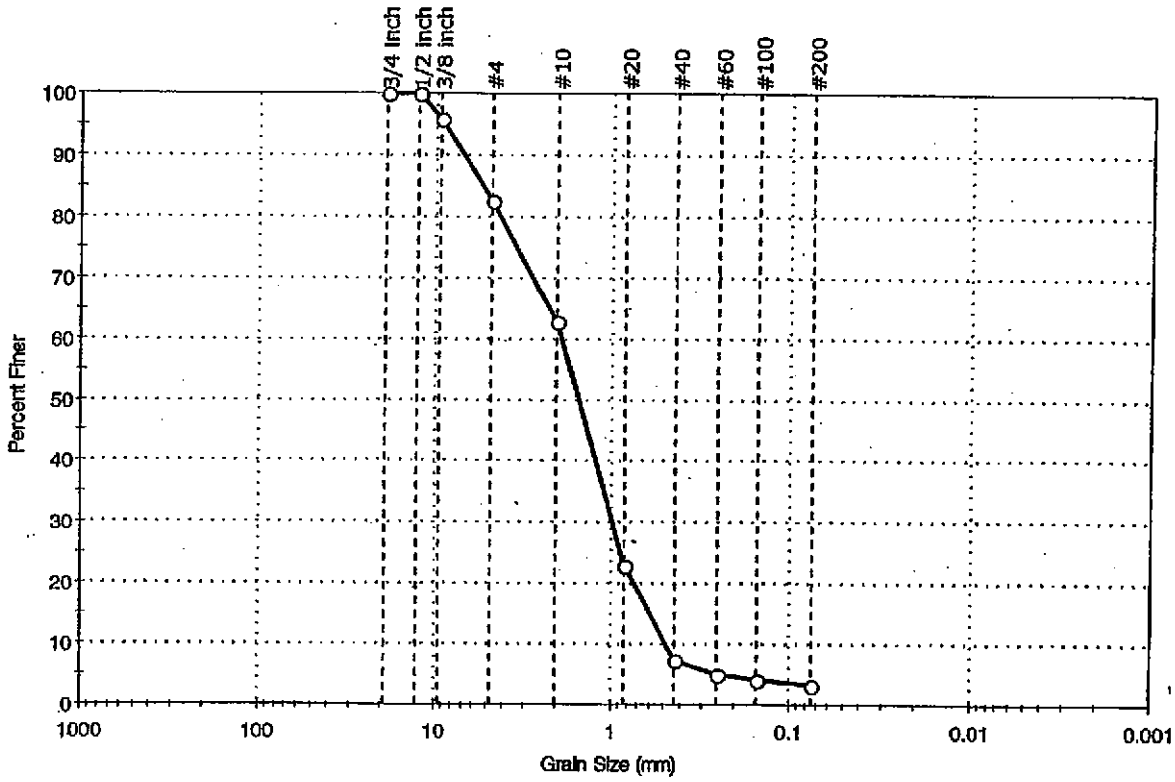
MT 31

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting Express, Inc.

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	njh
Sample ID:	Gas Vent Sand 06/02/04	Test Date:	06/07/04	Checked By:	fh
Depth :	---	Test Id:	53404		
Sample Description:	Moist, dark olive gray sand with gravel				
Sample Comment:					
Test Comment:	---				

Particle Size Analysis - ASTM D 422



%Cobble	%Gravel	%Sand	%Silt & Clay Size
–	17.3	79.8	3.0

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
3/4 inch	19.00	100		
1/2 inch	12.70	100		
3/8 inch	9.51	96		
#4	4.75	83		
#10	2.00	63		
#20	0.84	23		
#40	0.42	7		
#60	0.25	5		
#100	0.15	4		
#200	0.075	3		

Coefficients

D_{85} = 5.3461 mm	D_{30} = 0.9821 mm
D_{60} = 1.8865 mm	D_{15} = 0.5965 mm
D_{50} = 1.5176 mm	D_{10} = 0.4796 mm
C_u = 3.933	C_c = 0.511

Classification

ASTM Poorly graded sand with gravel (SP)

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape :

Sand/Gravel Hardness :

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65 assumed

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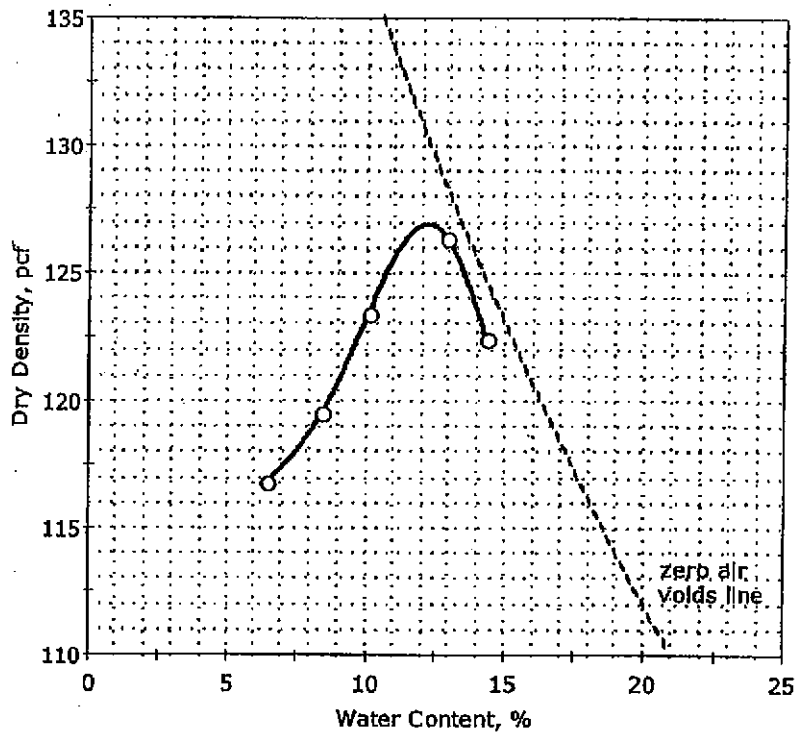
GeoTesting Express, Inc.

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	Gas Vent Sand 06/02/04	Test Date:	06/09/04	Checked By:	fh
Depth :	---	Test Id:	53402		
Sample Description:	Moist, dark olive gray sand with gravel				
Sample Comment:					
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	116.8	119.6	123.4	126.4	122.4
Moisture Content, %	6.5	8.4	10.1	12.9	14.4

Method : B

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.8

Maximum Dry Density= 127.0 pcf

Optimum Moisture= 12.0 %

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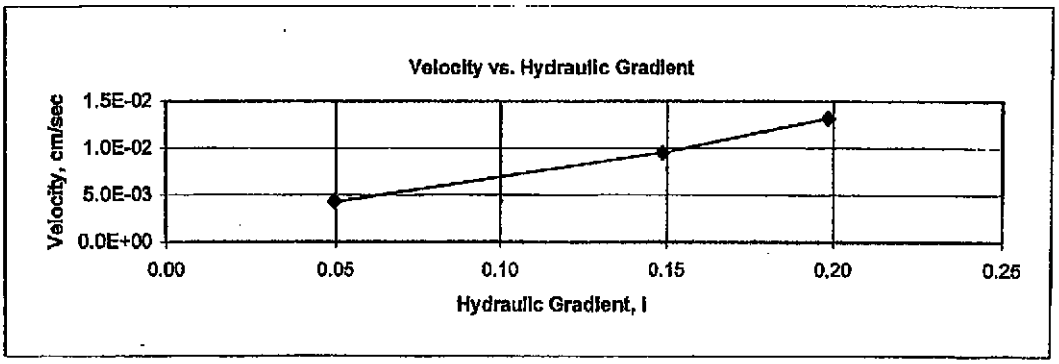
Permeability of Granular Soils (Constant Head) by ASTM D 2434

Client:	Maxymillian Technologies	**Start Date:**	06/09/04
Project Name:	Phase II Remediation - Pownal Tannery Super	**End Date:**	06/09/04
Project Location:	Pownal, VT	**Tested By:**	rbd
GTX #:	5150	**Checked By:**	fph
Boring #:	---	**Depth:**	---
Sample #:	Gas Vent Sand 06/02/04	**Sample Type:**	Remolded
Visual Description:	Moist, dark olive gray sand with gravel		
Sample Information:	ASTM soil classification = SP (ASTM D 2487); Maximum Dry Density = 127.0 pcf; Optimum Moisture Content =12.0%; assumed specific gravity = 2.80		
Sample Preparation/ Test Setup:	Compacted to 92% of Maximum Dry Density at air dried moisture content; >3/8 inch material screened out of sample prior to testing (4% of sample). 5.27 lb surcharge		

Parameter	Initial	Final
Height, in	4.03	4.03
Diameter, in	3.98	3.98
Area, in^2	12.4	12.4
Volume, in^3	50.1	50.1
Mass, g	1537	1794
Bulk Density, pcf	116.8	136.3
Moisture Content, %	0.22	17.0
Dry Density, pcf	116.5	116.5
Degree of Saturation, %	---	95.0
Void Ratio, e	---	0.50

Date	Reading #	Volume of Flow, cc	Time of Flow, sec	Flow Rate, cc/sec	Gradient	Permeability, cm/sec	Temperature, ° C	Correction Factor	Permeability @ 20° C, cm/sec
06/9/04	1	3.50	10	0.35	0.05	8.8E-02	15.0	1.135	1.0E-01
06/9/04	2	3.45	10	0.35	0.05	8.7E-02	15.0	1.135	9.8E-02
06/9/04	3	3.40	10	0.34	0.05	8.5E-02	15.0	1.135	9.7E-02
06/9/04	4	7.69	10	0.77	0.15	6.4E-02	15.0	1.135	7.3E-02
06/9/04	5	7.61	10	0.76	0.15	6.4E-02	15.0	1.135	7.2E-02
06/9/04	6	7.62	10	0.76	0.15	6.4E-02	15.0	1.135	7.2E-02
06/9/04	7	10.61	10	1.06	0.20	6.7E-02	15.0	1.135	7.6E-02
06/9/04	8	10.58	10	1.06	0.20	6.6E-02	15.0	1.135	7.5E-02
06/9/04	9	10.51	10	1.05	0.20	6.6E-02	15.0	1.135	7.5E-02



PERMEABILITY @ 20° C = 7.4 x 10^{-2} cm/sec

Note: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

Transmittal of Documents for Acceptance by EPA*

Date: 07/27/04

Transmittal No. 31A

Specification Section: 02316

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
3.06.C	Field Quality Control - Testing of Delivered Soils	2	
	Gas Vent Sand; 2,500 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

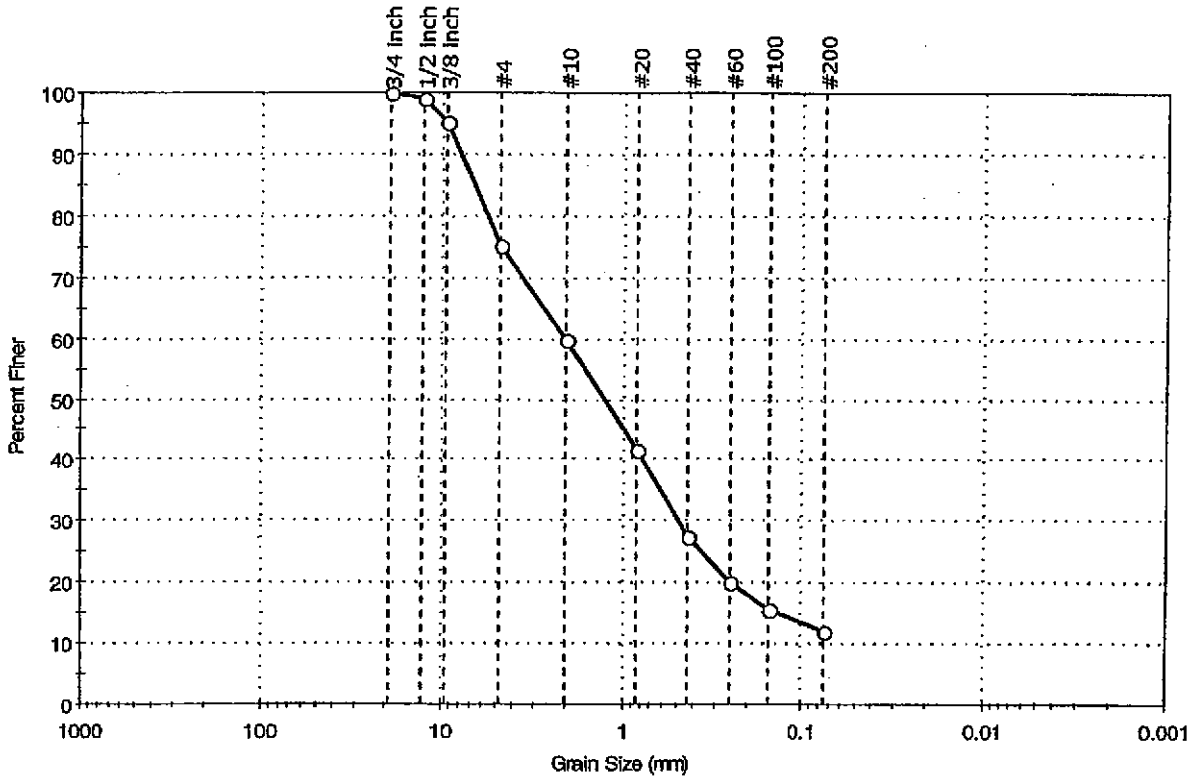
MT 31A

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0701GV BD	Test Date:	07/07/04	Checked By:	fh
Depth :	---	Test Id:	55703		
Sample Description:	Moist, dark brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	24.7	63.3	12.0

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
3/4 inch	19.00	100		
1/2 inch	12.70	99		
3/8 inch	9.51	95		
#4	4.75	75		
#10	2.00	60		
#20	0.84	42		
#40	0.42	20		
#60	0.25	20		
#100	0.15	16		
#200	0.075	12		

Coefficients

D_{85} =6.6460 mm D_{30} =0.4787 mm
D_{60} =2.0143 mm D_{15} =0.1312 mm
D_{50} =1.2494 mm D_{10} =0.0520 mm
C_u =38.706 C_c =0.114

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD
Dispersion Device : N/A
Dispersion Period : N/A
Specific Gravity : 2.65 assumed

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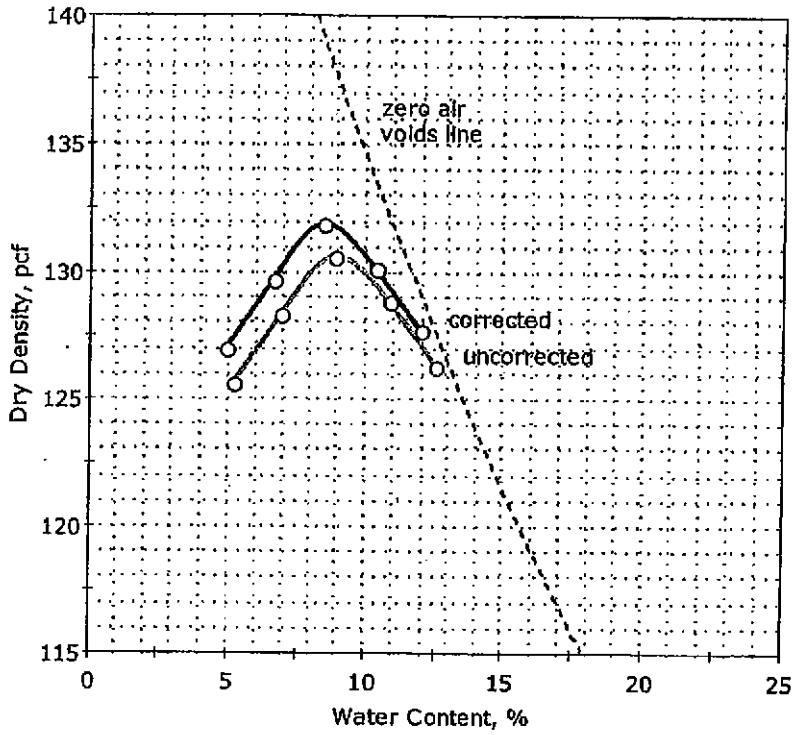
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	mch
Sample ID: 0701GV BD	Test Date: 07/07/04	Checked By:	fh
Depth : ---	Test Id: 55708		
Sample Description:	Moist, dark brown silty sand with gravel		
Sample Comment:	--		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	125.6	128.3	130.6	128.8	126.3
Moisture Content, %	5.2	6.9	8.9	10.8	12.5

Method : B

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.75

Maximum Dry Density=	130.5 pcf
Optimum Moisture=	9.0 %
Oversize Correction	(4.6% > 3/8 inch Sieve)
Corrected Maximum Dry Density=	132.0 pcf
Corrected Optimum Moisture=	8.5 %
Average Bulk Specific Gravity (assumed)=	2.65

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Transmittal of Documents for Acceptance by EPA*

Date: **08/18/04**

Transmittal No. **31B**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
3.06.C	Field Quality Control - Testing of Delivered Soils	2	
	Gas Vent Sand; 5,000 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

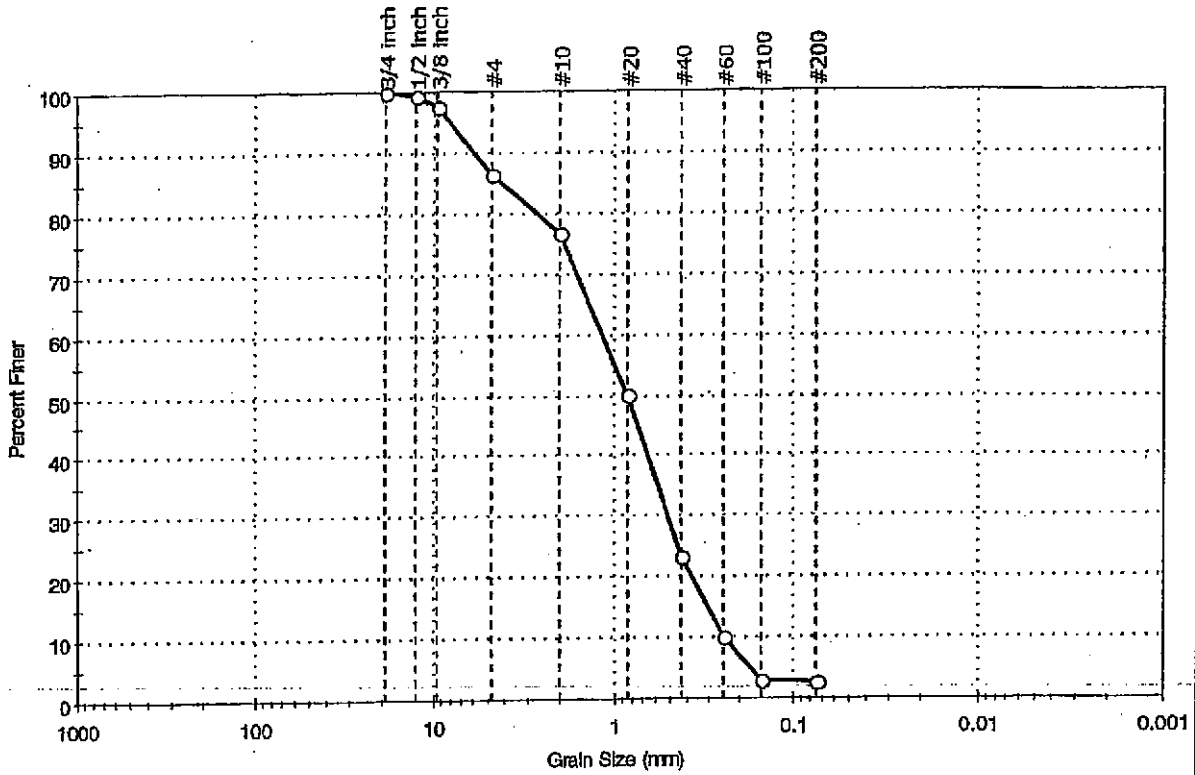
MT 31B

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: GV0709	Test Date: 07/15/04	Checked By:	jdt
Depth : ---	Test Id: 56357		
Sample Description:	Moist, reddish brown sand		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	13.5	83.7	2.8

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Compliance
3/4 inch	19.00	100		
1/2 inch	12.70	99		
3/8 inch	9.51	98		
#4	4.75	86		
#10	2.00	77		
#20	0.84	50		
#40	0.42	23		
#60	0.25	10		
#100	0.15	3		
#200	0.075	3		

Coefficients

D_{85} =4.1827 mm D_{30} =0.5032 mm

D_{60} =1.1559 mm D_{15} =0.3047 mm

D_{50} =0.8352 mm D_{10} =0.2491 mm

C_u =4.641 C_c =0.219

Classification

ASTM Poorly graded sand (SP)

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65 assumed

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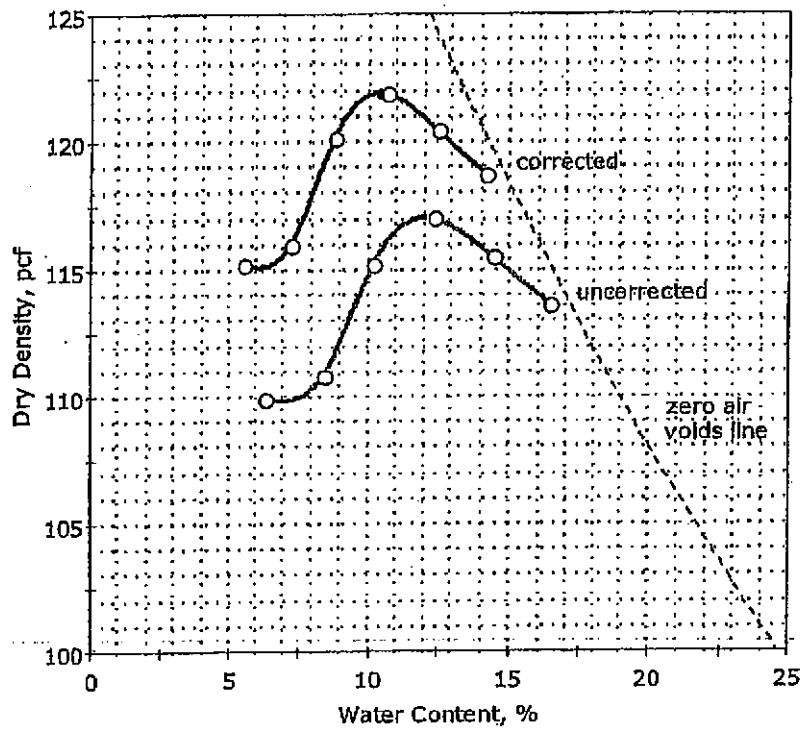
GeoTesting express

Client:	Maxymilliah Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	mch
Sample ID: GV0709	Test Date: 07/15/04	Checked By:	jdt
Depth : ---	Test Id: 56356		
Sample Description:	Moist, reddish brown sand		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
Dry density, pcf	110.0	110.8	115.2	117.0	115.5	113.6
Moisture Content, %	6.4	8.4	10.2	12.3	14.4	16.4

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density=	117.0 pcf
Optimum Moisture=	12.0 %
Oversize Correction	(13.6% > #4 Sieve)
Corrected Maximum Dry Density=	122.0 pcf
Corrected Optimum Moisture=	10.5 %
Average Bulk Specific Gravity (assumed)=	2.65

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LANDFILL COVER SOIL

Transmittal of Documents for Acceptance by EPA*

Date: **07/27/04**

Transmittal No. **62**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill	2	
2.01.D	Cover Soil		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

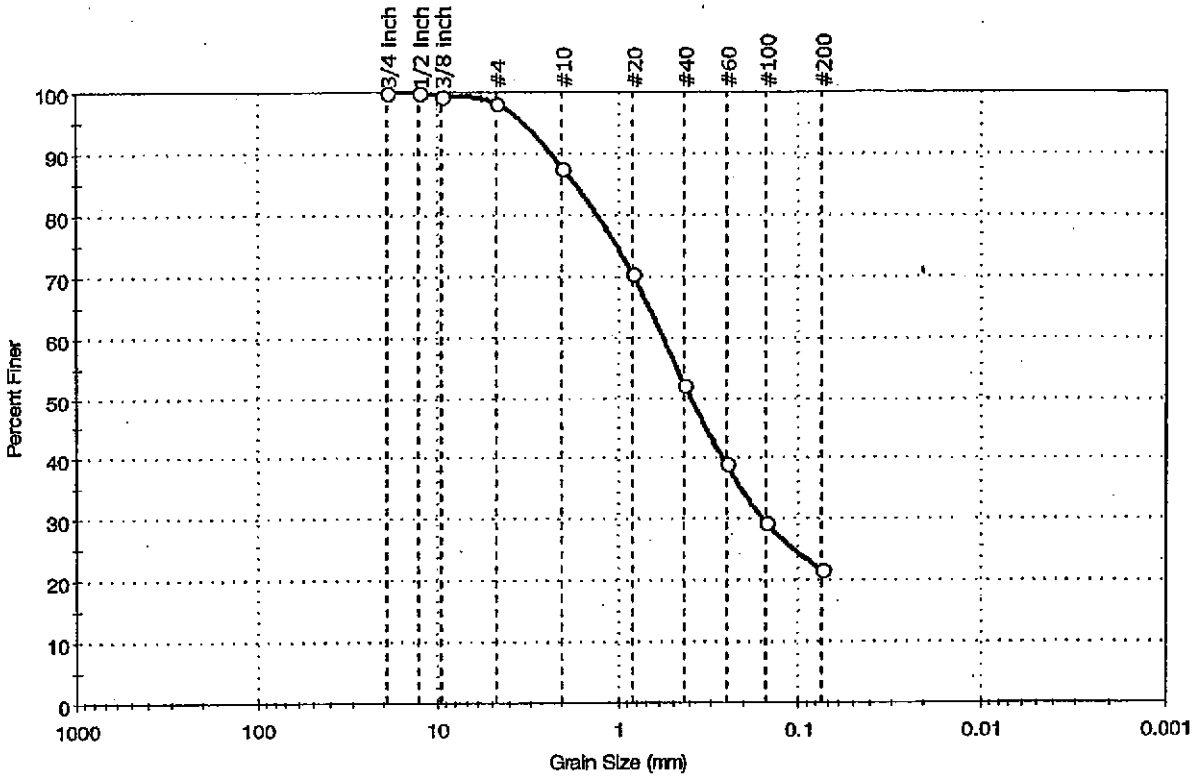
MT 62

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: tube	Tested By:	ahp
Sample ID: Cover Soil C	Test Date: 06/29/04	Checked By:	fh
Depth : ---	Test Id: 54989		
Sample Description:	Moist, olive brown silty sand		
Sample Comment:			
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	1.9	76.5	21.7

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
3/4 inch	19.00	100		
1/2 inch	12.70	100		
3/8 inch	9.51	100		
#4	4.75	98		
#10	2.00	88		
#20	0.84	71		
#40	0.42	52		
#60	0.25	39		
#100	0.15	29		
#200	0.075	22		

Coefficients

D_{85} = 1.7489 mm D_{30} = 0.1538 mm
D_{60} = 0.5686 mm D_{15} = N/A
D_{50} = 0.3889 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD
Dispersion Device : N/A
Dispersion Period : N/A
Specific Gravity : 2.65 assumed

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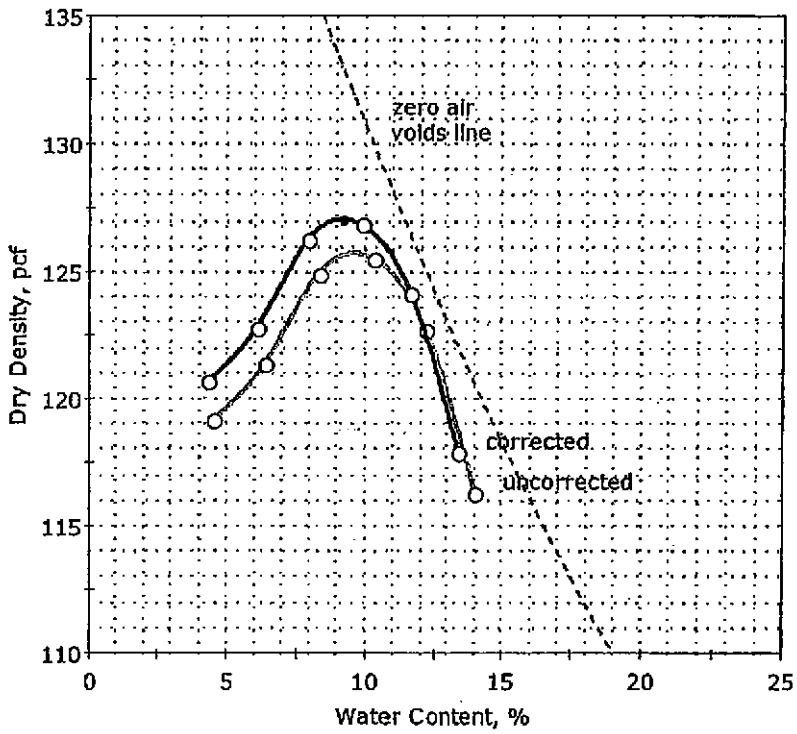
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	mch
Sample ID:	Cover Soil C	Test Date:	07/02/04	Checked By:	fh
Depth :	---	Test Id:	55339		
Sample Description:	Moist, olive brown silty sand				
Sample Comment:					
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
Dry density, pcf	119.2	121.3	125.0	125.5	122.7	116.3
Moisture Content, %	4.5	6.3	8.3	10.3	12.2	14.0

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 125.5 pcf
Optimum Moisture= 9.5 %

Oversize Correction (4.4% > #4 Sieve)
Corrected Maximum Dry Density= 127.0 pcf
Corrected Optimum Moisture= 9.0 %
Average Bulk Specific Gravity (assumed)= 2.65

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Transmittal of Documents for Acceptance by EPA*

Date: 08/11/04

Transmittal No. 73

Specification Section: 02316

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
3.06.D	Field Quality Control - Testing of Delivered Soils	2	
	Cover Soil		
	ID#0721CS-A - 2500 CY		
	ID#0721CS-B - 5000 CY		
	ID#0721CS-C - 7500 CY		
	ID#0721CS-D - 10000 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

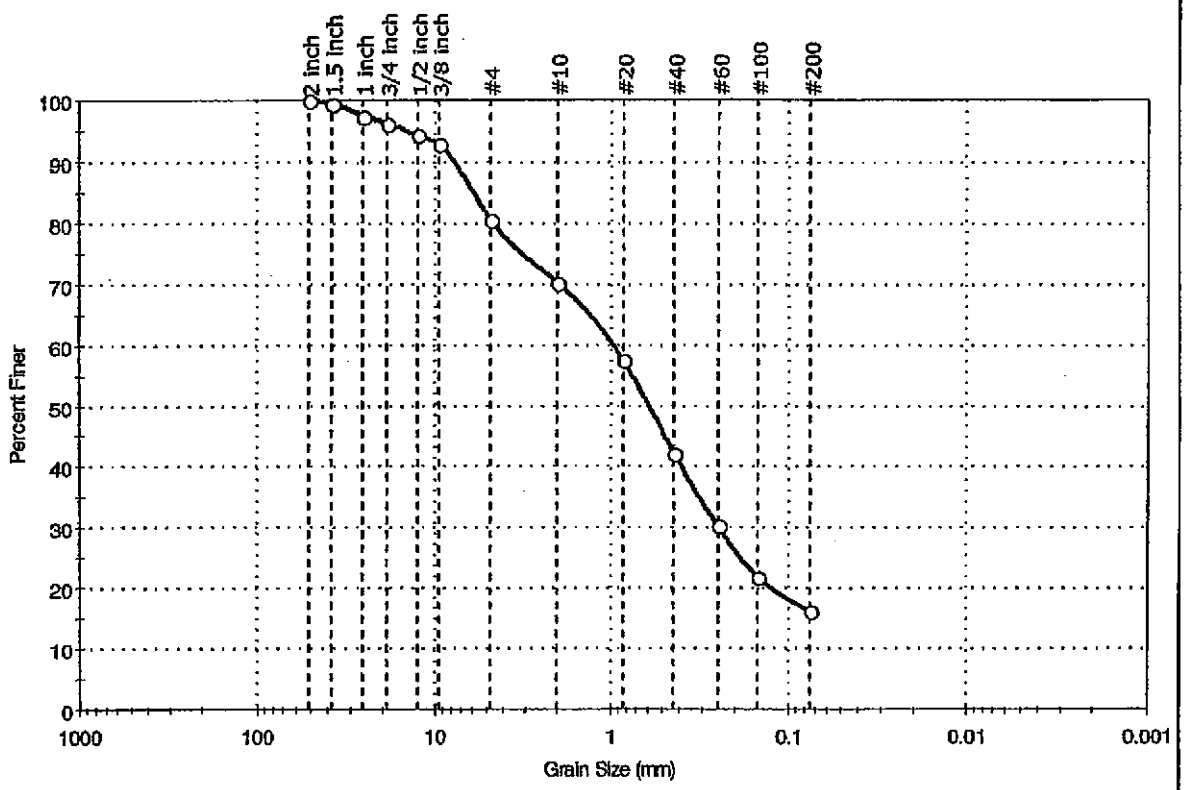
MT 73

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0721CS-A	Test Date: 07/23/04	Checked By:	fh
Depth : ---	Test Id: 56944		
Sample Description:	Moist, dark yellowish brown silty sand with gravel		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



%Cobble	%Gravel	%Sand	%Silt & Clay Size
—	19.6	64.2	16.2

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
2 inch	50.80	100		
1.5 inch	38.10	99		
1 inch	25.70	97		
3/4 inch	19.00	96		
1/2 inch	12.70	94		
3/8 inch	9.51	93		
#4	4.75	80		
#10	2.00	70		
#20	0.84	57		
#40	0.42	42		
#60	0.25	30		
#100	0.15	22		
#200	0.075	16		

Coefficients

D_{85} =6.1290 mm	D_{30} =0.2457 mm
D_{60} =0.9987 mm	D_{15} =N/A
D_{50} =0.6028 mm	D_{10} =N/A
C_u =N/A	C_c =N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65

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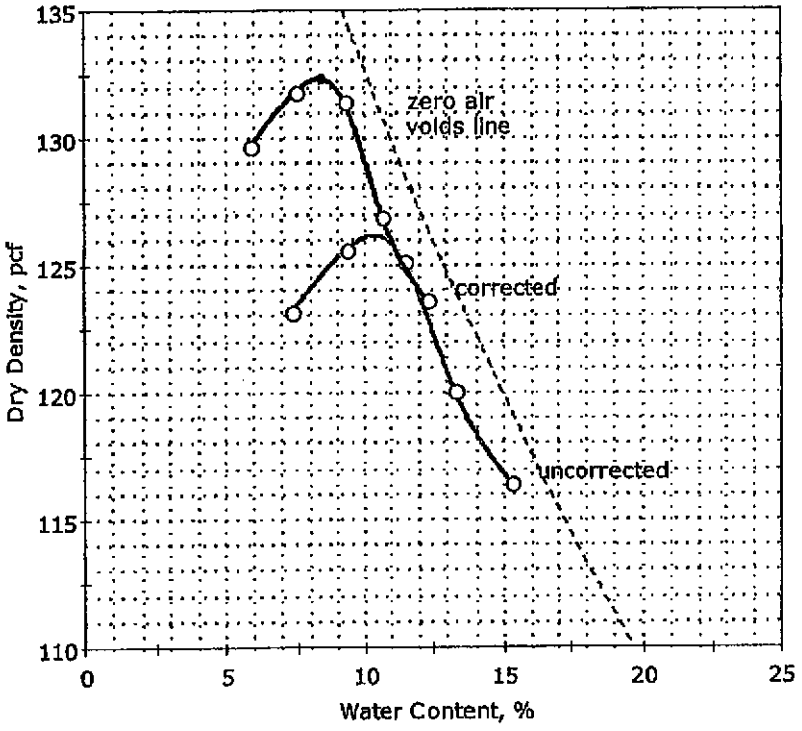
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0721CS-A	Test Date:	07/23/04	Checked By:	fh
Depth :	---	Test Id:	56948		
Sample Description:	Moist, dark yellowish brown silty sand with gravel				
Sample Comment:	--				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	123.2	125.6	125.1	120.1	116.4
Moisture Content, %	7.3	9.3	11.5	13.2	15.3

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.7

Maximum Dry Density= 126.0 pcf
Optimum Moisture= 10.5 %

Oversize Correction (19.6% > #4 Sieve)
Corrected Maximum Dry Density= 132.5 pcf
Corrected Optimum Moisture= 8.5 %
Average Bulk Specific Gravity = 2.65

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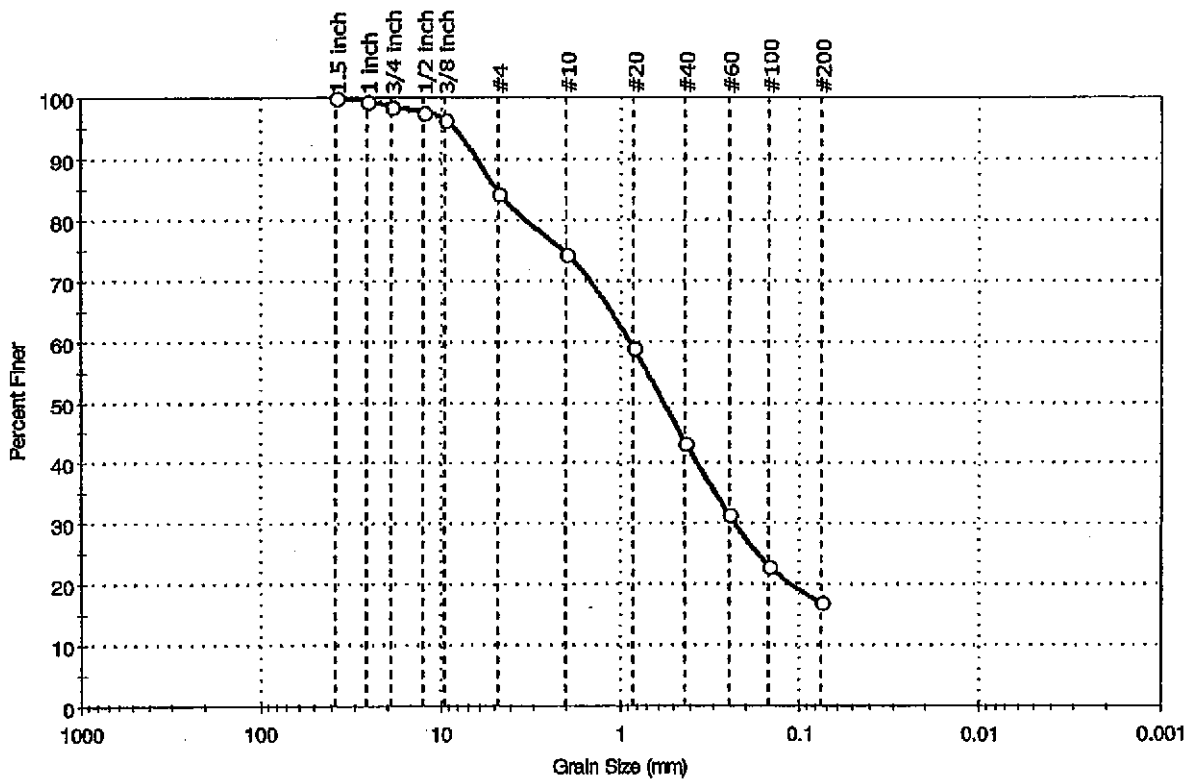
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0721CS-B	Test Date:	07/23/04	Checked By:	fh
Depth :	---	Test Id:	56945		
Sample Description:	Moist, dark yellowish brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	15.5	67.5	17.0

Sieve Name	Sieve Size (mm)	Percent Finer	Spec Percent	Complies
1.5 inch	38.10	100		
1 inch	25.70	99		
3/4 inch	19.00	99		
1/2 inch	12.70	98		
3/8 inch	9.51	96		
#4	4.75	85		
#10	2.00	74		
#20	0.84	59		
#40	0.42	43		
#60	0.25	32		
#100	0.15	23		
#200	0.075	17		

Coefficients

D_{85} = 4.8871 mm	D_{30} = 0.2264 mm
D_{60} = 0.8910 mm	D_{15} = N/A
D_{50} = 0.5664 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65

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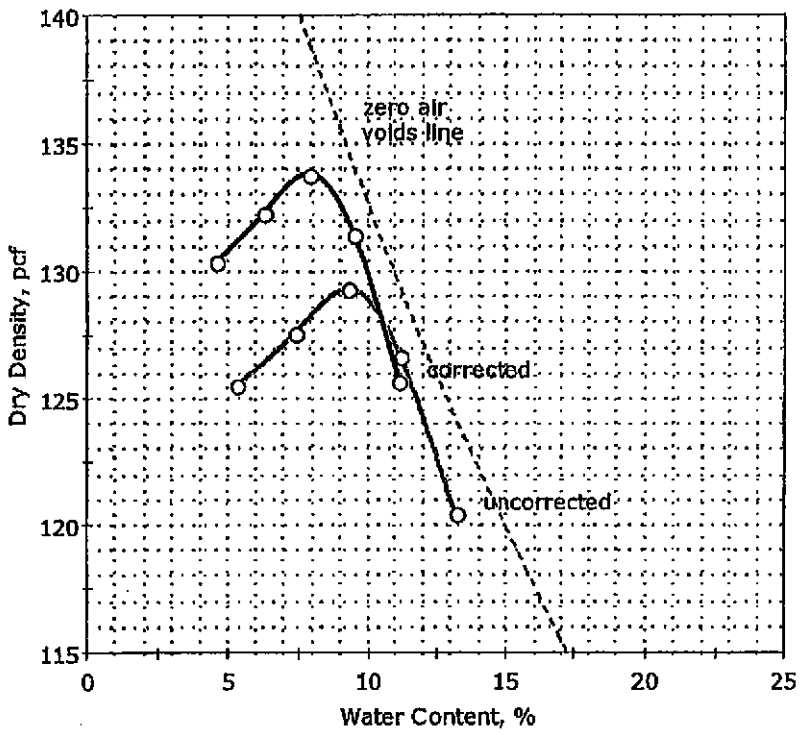
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0721CS-B	Test Date: 07/26/04	Checked By:	fh
Depth : ---	Test Id: 56949		
Sample Description:	Moist, dark yellowish brown silty sand with gravel		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	125.5	127.6	129.3	126.7	120.4
Moisture Content, %	5.4	7.4	9.3	11.2	13.2

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.7

Maximum Dry Density= 129.5 pcf
Optimum Moisture= 9.0 %

Oversize Correction (15.4% > #4 Sieve)
Corrected Maximum Dry Density= 134.0 pcf
Corrected Optimum Moisture= 8.0 %
Average Bulk Specific Gravity = 2.65

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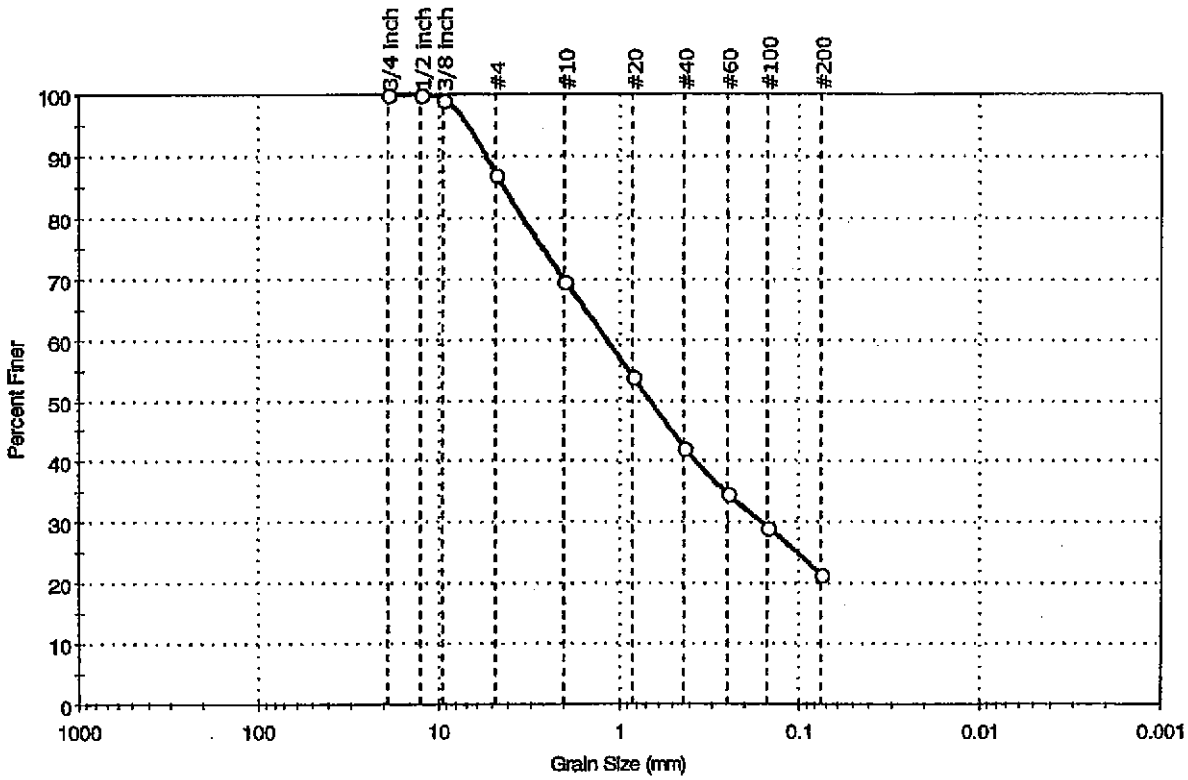
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0721CS-C	Test Date: 07/26/04	Checked By:	fh
Depth : ---	Test Id: 56946		
Sample Description:	Moist, dark yellowish brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	12.8	65.6	21.6

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Compliance
3/4 inch	19.00	100		
1/2 inch	12.70	100		
3/8 inch	9.51	99		
#4	4.75	87		
#10	2.00	70		
#20	0.84	54		
#40	0.42	42		
#60	0.25	35		
#100	0.15	29		
#200	0.075	22		

Coefficients

D_{85} =4.2665 mm	D_{30} =0.1594 mm
D_{60} =1.1670 mm	D_{15} =N/A
D_{50} =0.6644 mm	D_{10} =N/A
C_u =N/A	C_c =N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65

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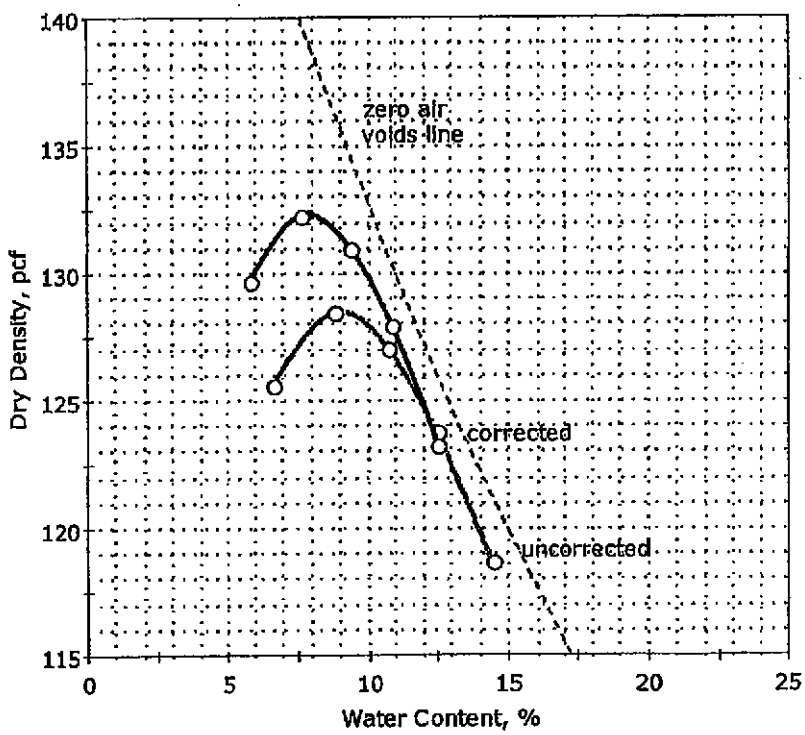
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0721CS-C	Test Date: 07/26/04	Checked By:	fh
Depth : ---	Test Id: 56950		
Sample Description:	Moist, dark yellowish brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	125.6	128.4	127.0	123.8	118.7
Moisture Content, %	6.6	8.8	10.7	12.5	14.4

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.7

Maximum Dry Density= 128.5 pcf
Optimum Moisture= 9.0 %

Oversize Correction (13.0% > #4 Sieve)
Corrected Maximum Dry Density= 132.5 pcf
Corrected Optimum Moisture= 8.0 %
Average Bulk Specific Gravity = 2.65

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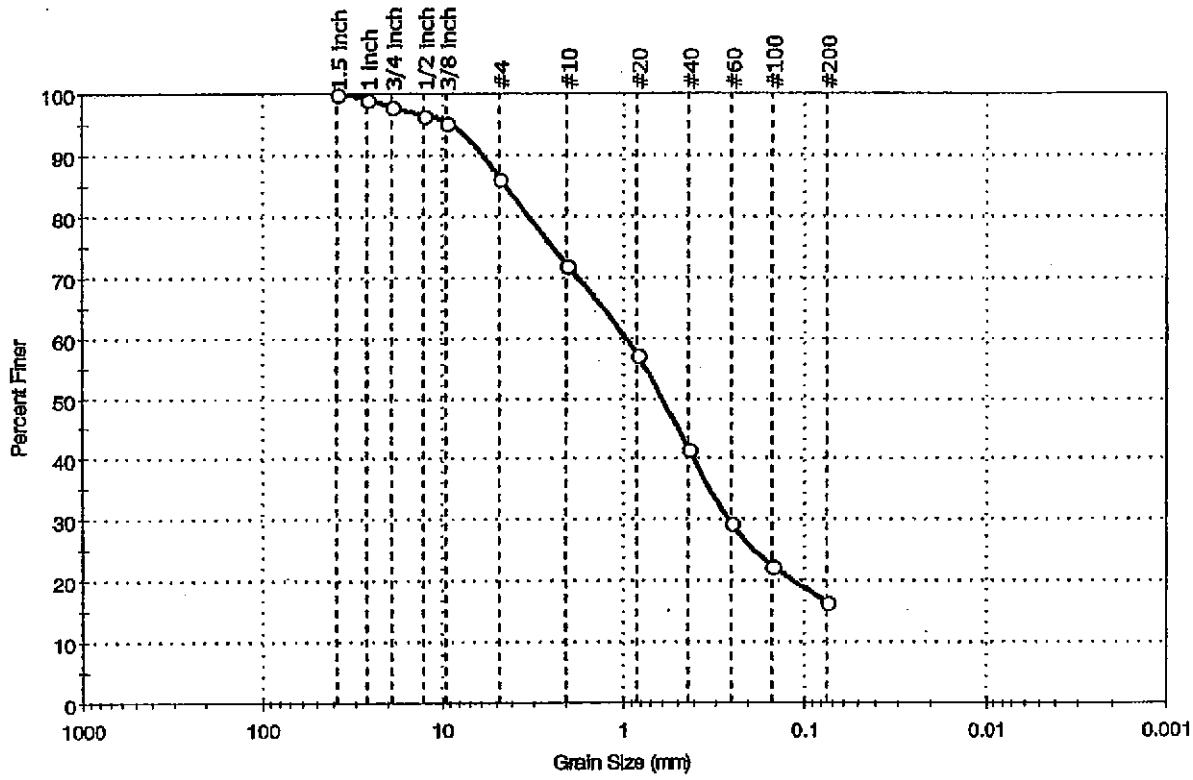
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0721CS-D	Test Date: 07/26/04	Checked By:	fh
Depth : ---	Test Id: 56947		
Sample Description:	Moist, light yellowish brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	13.8	69.6	16.6

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Compliance
1.5 inch	38.10	100		
1 inch	25.70	99		
3/4 inch	19.00	98		
1/2 inch	12.70	97		
3/8 inch	9.51	95		
#4	4.75	86		
#10	2.00	72		
#20	0.84	57		
#40	0.42	41		
#60	0.25	30		
#100	0.15	23		
#200	0.075	17		

Coefficients

D_{85} =4.4011 mm	D_{30} =0.2550 mm
D_{60} =0.9845 mm	D_{15} =N/A
D_{50} =0.6133 mm	D_{10} =N/A
C_u =N/A	C_c =N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

Dispersion Device : N/A

Dispersion Period : N/A

Specific Gravity : 2.65

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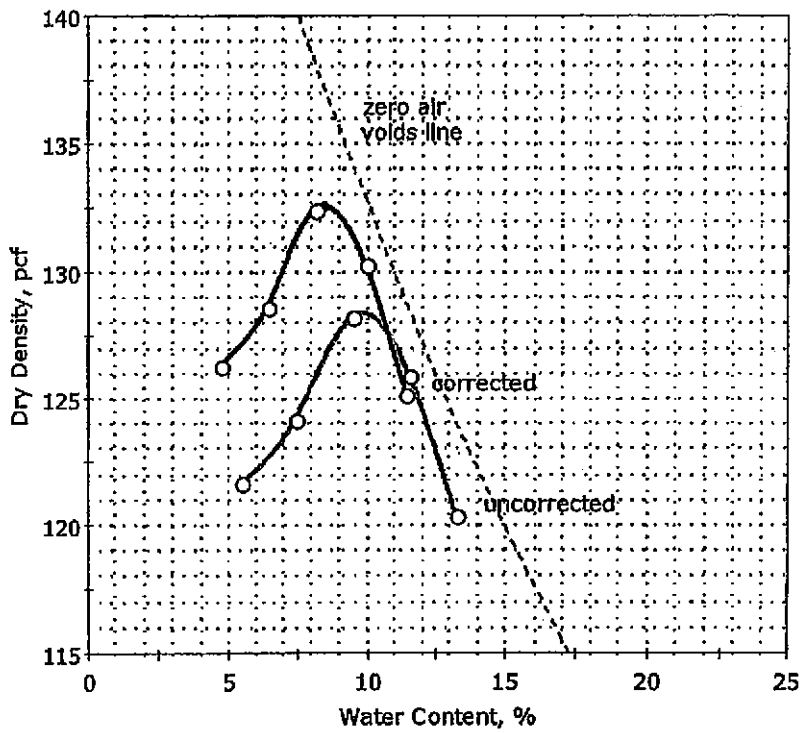
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0721CS-D	Test Date:	07/26/04	Checked By:	fh
Depth :	---	Test Id:	56951		
Sample Description:	Moist, light yellowish brown silty sand				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	121.6	124.2	128.2	125.9	120.4
Moisture Content, %	5.4	7.4	9.5	11.5	13.2

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.7

Maximum Dry Density= 128.5 pcf

Optimum Moisture= 10.0 %

Oversize Correction (14.0% > #4 Sieve)

Corrected Maximum Dry Density= 132.5 pcf

Corrected Optimum Moisture= 8.5 %

Average Bulk Specific Gravity = 2.65

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GeoTesting express

Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter by ASTM D 5084

Constant Gradient

Client:	Maxymillian Technologies	**Start Date:**	08/02/04
Project Name:	Phase II Remediation - Pownal Tannery Superfund	**End Date:**	08/03/04
Project Location:	Pownal, VT	**Tested By:**	rmt
GTX #:	5150	**Checked By:**	fph
Boring #:	---	**Sample Type:**	remolded
Sample #:	0721-CS-A	**Orientation:**	Vertical
Depth:	---	**Test #:**	k
Visual Description:	Moist, dark yellowish brown silty sand with gravel		

Sample Preparation: Compacted 92% of uncorrected maximum dry density (126.0 pcf) at the uncorrected optimum moisture content (10.5%). Material greater than 3/8 inch screened out of sample prior to testing (7% of sample). Trimmings moisture content = 10.4%.

Permeant Fluid: de-aired tap water **Cell #:** ---

Parameter	Initial	Final
Height, in	2.00	2.00
Diameter, in	2.87	2.90
Area, in^2	6.47	6.61
Volume, in^3	12.94	13.21
Mass, g	425	444
Bulk Density, pcf	124.9	127.8
Moisture Content, %	10.7	15.7
Dry Density, pcf	112.8	110.5
Degree of Saturation, %	---	95

B COEFFICIENT DETERMINATION

Cell Pressure, psi: 90 **Press. Increment, psi:** 5
Sample Pressure, psi: 85 **B Coefficient (assumed):** >0.95

FLOW DATA

Date	Elapsed Time, sec	Cell Pressure, psi	Inlet Pressure, psi	Outlet Pressure, psi	Grad-ient	Inflow V, cc	Outflow V, cc	Δ Inflow V, cc	Δ Outflow V, cc	Temp, °C	R_t	Permeability K @ 20 °C, cm/sec
8/3	---	90.0	86.0	84.0	27.7	0.70	24.90	---	---	---	---	---
8/3	66	90.0	86.0	84.0	27.7	11.00	14.55	10.30	10.35	20	1.000	1.0E-04
8/3	---	90.0	86.0	84.0	27.7	11.00	14.55	---	---	---	---	---
8/3	65	90.0	86.0	84.0	27.7	17.55	8.00	6.55	6.55	20	1.000	8.5E-05
8/3	---	90.0	86.0	84.0	27.7	17.55	8.00	---	---	---	---	---
8/3	59	90.0	86.0	84.0	27.7	22.90	2.60	5.35	5.40	20	1.000	7.7E-05
8/3	---	90.0	86.0	84.0	27.7	2.70	21.60	---	---	---	---	---
8/3	138	90.0	86.0	84.0	27.7	17.25	6.90	14.55	14.70	20	1.000	9.0E-05

PERMEABILITY AT 20 °C: 8.9 x 10^{-5} cm/sec (@ 5 psi effective stress)

Note: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

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Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter by ASTM D 5084

Constant Gradient

Client:	Maxymillian Technologies	**Start Date:**	08/02/04
Project Name:	Phase II Remediation - Pownal Tannery Superfund	**End Date:**	08/03/04
Project Location:	Pownal, VT	**Tested By:**	rmt
GTX #:	5150	**Checked By:**	fph
Boring #:	---	**Sample Type:**	remolded
Sample #:	0721-CS-B	**Orientation:**	Vertical
Depth:	---	**Test #:**	k
Visual Description:	Moist, dark yellowish brown silty sand with gravel		

Sample Preparation: Compacted 92% of uncorrected maximum dry density (129.5 pcf) at the uncorrected optimum moisture content (9.0%). Material greater than 3/8 inch screened out of sample prior to testing (4% of sample). Trimmings moisture content = 8.9%.

Permeant Fluid: de-aired tap water **Cell #:** ---

Parameter	Initial	Final
Height, in	2.00	2.05
Diameter, in	2.87	2.91
Area, in^2	6.47	6.65
Volume, in^3	12.94	13.63
Mass, g	431	458
Bulk Density, pcf	126.6	127.7
Moisture Content, %	9.1	16.0
Dry Density, pcf	116.1	110.1
Degree of Saturation, %	---	98

B COEFFICIENT DETERMINATION

Cell Pressure, psi: 90 **Press. Increment, psi:** 5
Sample Pressure, psi: 85 **B Coefficient (assumed):** >0.95

FLOW DATA

Date	Elapsed Time, sec	Cell Pressure, psi	Inlet Pressure, psi	Outlet Pressure, psi	Gradient	Inflow V, cc	Outflow V, cc	Δ Inflow V, cc	Δ Outflow V, cc	Temp, °C	R_t	Permeability K @ 20 °C, cm/sec
8/3	---	90.0	86.0	84.0	27.0	6.70	19.00	---	---	---	---	---
8/3	22	90.0	86.0	84.0	27.0	18.00	7.75	11.30	11.25	20	1.000	4.4E-04
8/3	---	90.0	86.0	84.0	27.0	1.55	24.00	---	---	---	---	---
8/3	33	90.0	86.0	84.0	27.0	17.25	8.20	15.70	15.80	20	1.000	4.1E-04
8/3	---	90.0	86.0	84.0	27.0	1.80	22.65	---	---	---	---	---
8/3	29	90.0	86.0	84.0	27.0	15.00	9.35	13.20	13.30	20	1.000	3.9E-04
8/3	---	90.0	86.0	84.0	27.0	2.30	24.55	---	---	---	---	---
8/3	45	90.0	86.0	84.0	27.0	21.70	5.05	19.40	19.50	20	1.000	3.7E-04

PERMEABILITY AT 20 °C: 4.1 x 10^{-4} cm/sec (@ 5 psi effective stress)

Note: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

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Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter by ASTM D 5084

Constant Gradient

Client:	Maxymillian Technologies	**Start Date:**	08/02/04
Project Name:	Phase II Remediation - Pownal Tannery Superfund	**End Date:**	08/03/04
Project Location:	Pownal, VT	**Tested By:**	mmt
GTX #:	5150	**Checked By:**	fph
Boring #:	---	**Sample Type:**	remolded
Sample #:	0721-CS-C	**Orientation:**	Vertical
Depth:	---	**Test #:**	k
Visual Description:	Moist, dark yellowish brown silty sand		

Sample Preparation: Compacted 92% of uncorrected maximum dry density (128.5 pcf) at the uncorrected optimum moisture content (9.0%). Material greater than 3/8 inch screened out of sample prior to testing (1% of sample). Trimmings moisture content = 9.2%.

Permeant Fluid: de-aired tap water **Cell #:** ---

Parameter	Initial	Final
Height, in	2.00	1.90
Diameter, in	2.88	2.93
Area, in^2	6.51	6.74
Volume, in^3	13.03	12.81
Mass, g	437	459
Bulk Density, pcf	127.5	136.2
Moisture Content, %	9.1	14.6
Dry Density, pcf	116.8	118.8
Degree of Saturation, %	---	99

B COEFFICIENT DETERMINATION

Cell Pressure, psi: 90 **Press. Increment, psi:** 5
Sample Pressure, psi: 85 **B Coefficient (assumed):** >0.95

FLOW DATA

Date	Elapsed Time, sec	Cell Pressure, psi	Inlet Pressure, psi	Outlet Pressure, psi	Gradient	Inflow V, cc	Outflow V, cc	Δ Inflow V, cc	Δ Outflow V, cc	Temp, °C	R_i	Permeability K @ 20 °C, cm/sec
8/3	---	90.0	86.0	84.0	29.1	1.00	22.70	---	---	---	---	---
8/3	41	90.0	86.0	84.0	29.1	4.90	18.80	3.90	3.90	20	1.000	7.5E-05
8/3	---	90.0	86.0	84.0	29.1	4.90	18.80	---	---	---	---	---
8/3	50	90.0	86.0	84.0	29.1	9.10	14.50	4.20	4.30	20	1.000	6.7E-05
8/3	---	90.0	86.0	84.0	29.1	9.10	14.50	---	---	---	---	---
8/3	50	90.0	86.0	84.0	29.1	13.15	10.45	4.05	4.05	20	1.000	6.4E-05
8/3	---	90.0	86.0	84.0	29.1	13.15	10.45	---	---	---	---	---
8/3	65	90.0	86.0	84.0	29.1	18.10	5.55	4.95	4.90	20	1.000	6.0E-05

PERMEABILITY AT 20 °C: 6.6 x 10^{-5} cm/sec (@ 5 psi effective stress)

Note: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

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Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter by ASTM D 5084

Constant Gradient

Client:	Maxymillian Technologies	**Start Date:**	08/02/04
Project Name:	Phase II Remediation - Pownal Tannery Superfund	**End Date:**	08/03/04
Project Location:	Pownal, VT	**Tested By:**	rmt
GTX #:	5150	**Checked By:**	fph
Boring #:	---	**Sample Type:**	remolded
Sample #:	0721-CS-D	**Orientation:**	Vertical
Depth:	---	**Test #:**	k
Visual Description:	Moist, light yellowish brown silty sand		

Sample Preparation: Compacted 92% of uncorrected maximum dry density (128.5 pcf) at the uncorrected optimum moisture content (10.0%). Material greater than 3/8 inch screened out of sample prior to testing (5% of sample). Trimmings moisture content = 9.7%.

Permeant Fluid: de-aired tap water **Cell #:** ---

Parameter	Initial	Final
Height, in	2.00	2.00
Diameter, in	2.88	2.89
Area, in^2	6.51	6.56
Volume, in^3	13.03	13.12
Mass, g	441	453
Bulk Density, pcf	128.7	131.3
Moisture Content, %	10.0	13.0
Dry Density, pcf	117.0	116.2
Degree of Saturation, %	---	95

B COEFFICIENT DETERMINATION

Cell Pressure, psi: 90
Sample Pressure, psi: 85
Press. Increment, psi: 5
B Coefficient (assumed): >0.95

FLOW DATA

Date	Elapsed Time, sec	Cell Pressure, psi	Inlet Pressure, psi	Outlet Pressure, psi	Gradient	Inflow V, cc	Outflow V, cc	Δ Inflow V, cc	Δ Outflow V, cc	Temp, °C	R_t	Permeability K @ 20 °C, cm/sec
8/4	---	90.0	86.0	84.0	27.7	0.80	23.30	---	---	---	---	---
8/4	85	90.0	86.0	84.0	27.7	3.50	20.65	2.70	2.65	20	1.000	2.7E-05
8/4	---	90.0	86.0	84.0	27.7	3.50	20.65	---	---	---	---	---
8/4	65	90.0	86.0	84.0	27.7	5.45	18.65	1.95	2.00	20	1.000	2.6E-05
8/4	---	90.0	86.0	84.0	27.7	5.45	18.65	---	---	---	---	---
8/4	105	90.0	86.0	84.0	27.7	8.50	15.60	3.05	3.05	20	1.000	2.5E-05
8/4	---	90.0	86.0	84.0	27.7	8.50	15.60	---	---	---	---	---
8/4	98	90.0	86.0	84.0	27.7	11.15	12.86	2.65	2.74	20	1.000	2.3E-05

PERMEABILITY AT 20 °C: 2.5 x 10^{-5} cm/sec (@ 5 psi effective stress)

Note: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

Transmittal of Documents for Acceptance by EPA* Date: **09/09/04** Transmittal No. **73A**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
3.06.D	Field Quality Control - Testing of Delivered Soils	2	
	Cover Soil		
	ID#0817CS-A - 12500 CY		
	ID#0817CS-B - 15000 CY		
	ID#0817CS-C - 17500 CY		
	ID#0817CS-D - 20000 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

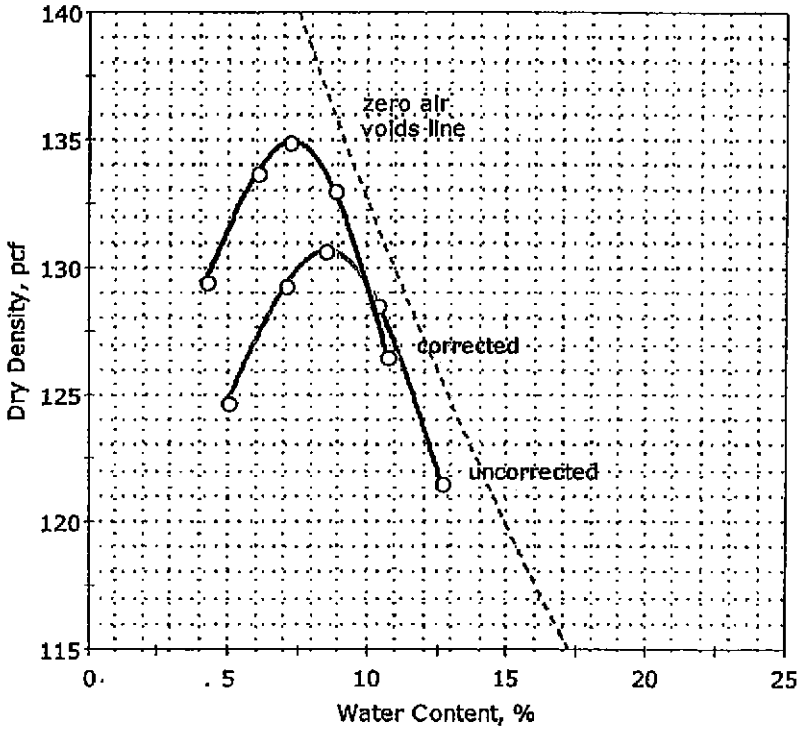
MT 73A

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0817CS-A	Test Date:	08/24/04	Checked By:	jdt
Depth :	---	Test Id:	58559		
Sample Description:	Moist, dark yellowish brown silty sand with gravel				
Sample Comment:	—				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	124.7	129.3	130.7	128.6	121.5
Moisture Content, %	4.9	7.0	8.5	10.4	12.6

Method : B

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.7

Maximum Dry Density=	130.5 pcf
Optimum Moisture=	8.5 %
Oversize Correction	(15.0% > 3/8 inch Sieve)
Corrected Maximum Dry Density=	135.0 pcf
Corrected Optimum Moisture=	7.5 %
Average Bulk Specific Gravity =	2.65

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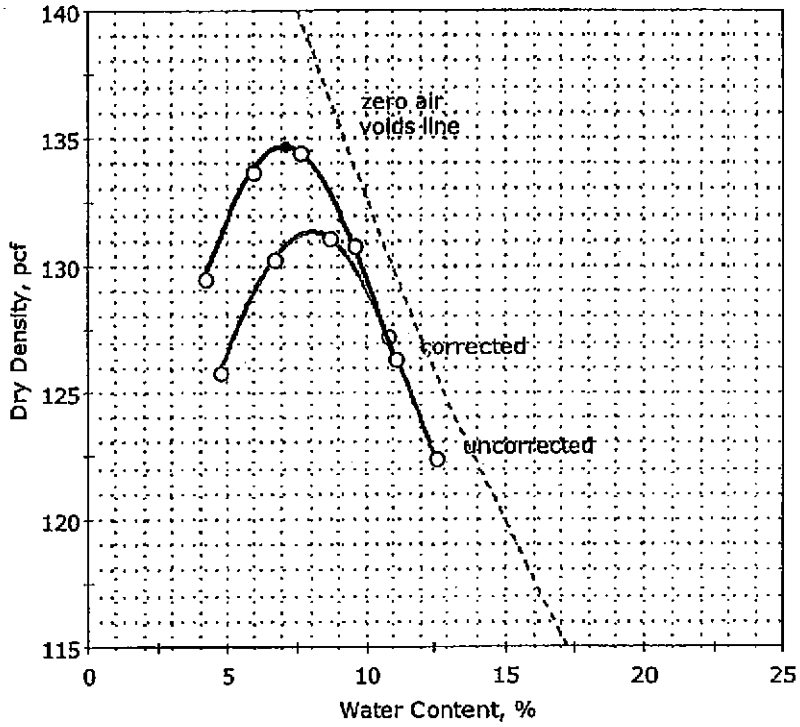
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0817CS-B	Test Date:	08/24/04	Checked By:	jdt
Depth :	---	Test Id:	58560		
Sample Description:	Moist, dark yellowish brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	125.8	130.3	131.1	127.2	122.4
Moisture Content, %	4.7	6.7	8.6	10.8	12.5

Method : B

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.7

Maximum Dry Density= 131.5 pcf
Optimum Moisture= 8.0 %

Oversize Correction (12.0% > 3/8 inch Sieve)
Corrected Maximum Dry Density= 134.5 pcf
Corrected Optimum Moisture= 7.0 %
Average Bulk Specific Gravity = 2.65

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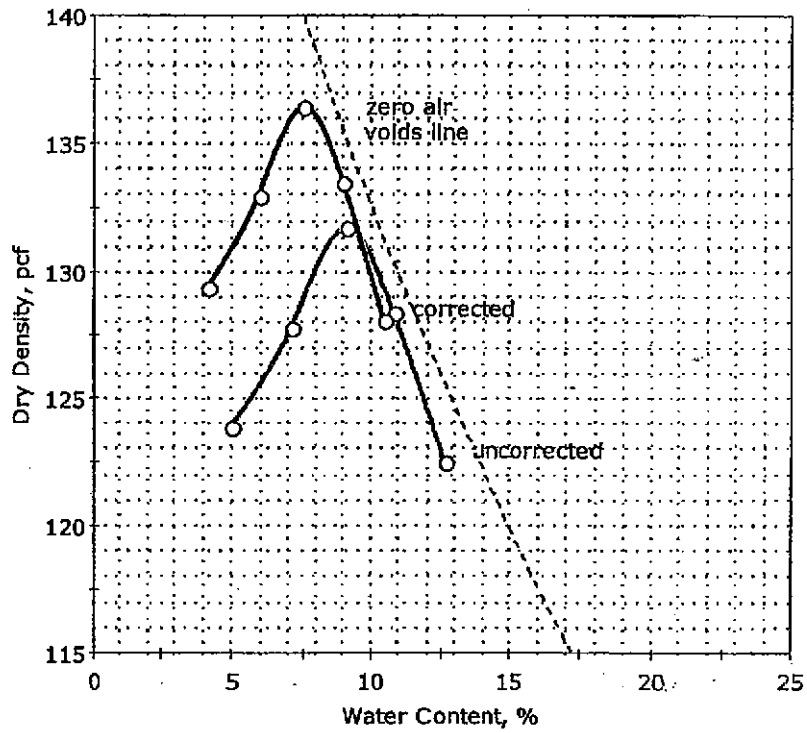
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0817CS-C	Test Date:	08/24/04	Checked By:	jdt
Depth :	---	Test Id:	58561		
Sample Description:	Moist, dark yellowish brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	123.9	127.8	131.7	128.4	122.5
Moisture Content, %	5.0	7.1	9.1	10.8	12.6

Method : B

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.7

Maximum Dry Density= 131.5 pcf

Optimum Moisture= 9.0 %

Oversize Correction (17.0% > 3/8 inch Sieve)

Corrected Maximum Dry Density= 136.5 pcf

Corrected Optimum Moisture= 7.5 %

Average Bulk Specific Gravity = 2.65

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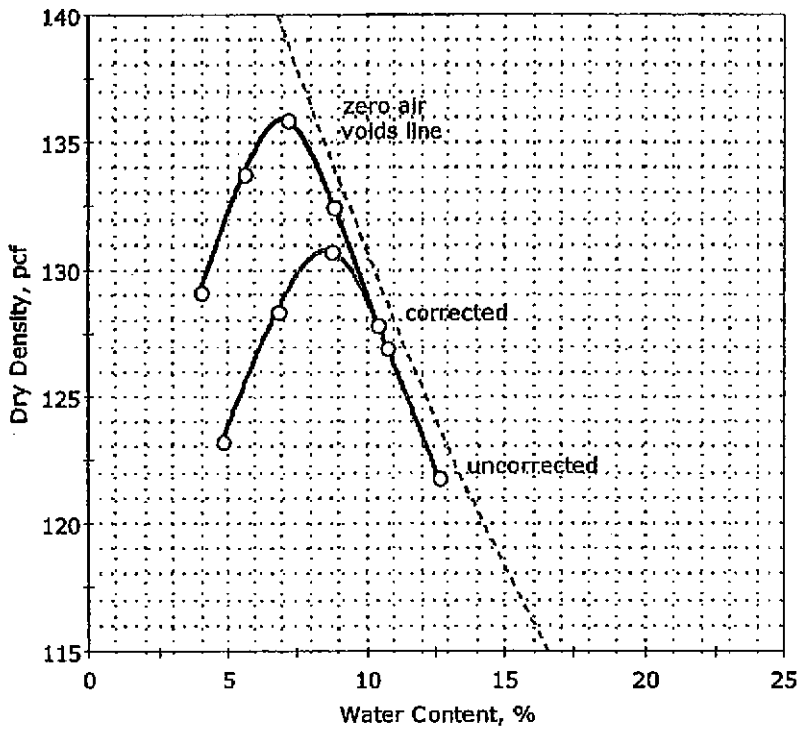
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0817CS-D	Test Date:	08/24/04	Checked By:	jdt
Depth :	---	Test Id:	58562		
Sample Description:	Moist, dark yellowish brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	123.2	128.4	130.8	127.0	121.8
Moisture Content, %	4.8	6.8	8.7	10.7	12.6

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density=	131.0 pcf
Optimum Moisture=	8.5 %
Oversize Correction	(18.0% > #4 Sieve)
Corrected Maximum Dry Density=	136.0 pcf
Corrected Optimum Moisture=	7.0 %
Average Bulk Specific Gravity =	2.65

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Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter by ASTM D 5084

Constant Gradient

Client:	Maxymillian Technologies	**Start Date:**	09/02/04
Project Name:	Phase II Remediation - Pownal Tannery Superfund	**End Date:**	09/03/04
Project Location:	Pownal, VT	**Tested By:**	rmt
GTX #:	5150	**Checked By:**	fph
Boring #:	---	**Sample Type:**	remolded
Sample #:	0817CS-A	**Orientation:**	Vertical
Depth:	---	**Test #:**	k
Visual Description:	Moist, dark yellowish brown silty sand with gravel		

Sample Preparation: Compacted 92% of uncorrected maximum dry density (130.5 pcf) at the uncorrected optimum moisture content (8.5%). Material greater than 3/8 inch screened out of sample prior to testing (15% of sample). Trimmings moisture content = 8.6%.

Permeant Fluid: de-aired tap water **Cell #:** ---

Parameter	Initial	Final
Height, in	2.00	1.90
Diameter, in	2.87	2.91
Area, in^2	6.47	6.67
Volume, in^3	12.94	12.67
Mass, g	442	460
Bulk Density, pcf	129.9	138.0
Moisture Content, %	9.0	13.5
Dry Density, pcf	119.1	121.6
Degree of Saturation, %	—	99

B COEFFICIENT DETERMINATION

Cell Pressure, psi: 90 **Press. Increment, psi:** 5
Sample Pressure, psi: 85 **B Coefficient (assumed):** >0.95

FLOW DATA

Date	Elapsed Time, sec	Cell Pressure, psi	Inlet Pressure, psi	Outlet Pressure, psi	Grad-ient	Inflow V, cc	Outflow V, cc	Δ Inflow V, cc	Δ Outflow V, cc	Temp, °C	R_i	Permeability K @ 20 °C, cm/sec
9/3	---	90.0	86.0	84.0	29.1	0.50	24.40	---	---	---	---	---
9/3	23	90.0	86.0	84.0	29.1	5.45	19.55	4.95	4.85	20	1.000	1.7E-04
9/3	---	90.0	86.0	84.0	29.1	5.45	19.55	---	---	---	---	---
9/3	61	90.0	86.0	84.0	29.1	16.90	8.05	11.45	11.50	20	1.000	1.5E-04
9/3	---	90.0	86.0	84.0	29.1	16.90	8.05	---	---	---	---	---
9/3	49	90.0	86.0	84.0	29.1	25.30	0.50	8.40	7.55	20	1.000	1.3E-04
9/3	---	90.0	86.0	84.0	29.1	1.45	24.80	---	---	---	---	---
9/3	63	90.0	86.0	84.0	29.1	13.25	12.90	11.80	11.90	20	1.000	1.5E-04

PERMEABILITY AT 20 °C: 1.5 x 10^{-4} cm/sec (@ 5 psi effective stress)

Note: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

GeoTesting
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Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter by ASTM D 5084

Constant Gradient

Client:	Maxymillian Technologies	**Start Date:**	09/02/04
Project Name:	Phase II Remediation - Pownal Tannery Superfund	**End Date:**	09/03/04
Project Location:	Pownal, VT	**Tested By:**	rmt
GTX #:	5150	**Checked By:**	fph
Boring #:	---	**Sample Type:**	remolded
Sample #:	0817CS-B	**Orientation:**	Vertical
Depth:	---	**Test #:**	k
Visual Description:	Moist, dark yellowish brown silty sand with gravel		

Sample Preparation: Compacted 92% of uncorrected maximum dry density (131.5 pcf) at the uncorrected optimum moisture content (8.0%). Material greater than 3/8 inch screened out of sample prior to testing (12% of sample). Trimmings moisture content = 8.2%.

Permeant Fluid: de-aired tap water **Cell #:** ---

Parameter	Initial	Final
Height, in	2.00	2.05
Diameter, in	2.87	2.89
Area, in^2	6.47	6.56
Volume, in^3	12.94	13.45
Mass, g	443	463
Bulk Density, pcf	130.2	130.9
Moisture Content, %	8.5	13.4
Dry Density, pcf	120.0	115.5
Degree of Saturation, %	---	95

B COEFFICIENT DETERMINATION

Cell Pressure, psi: 90 **Press. Increment, psi:** 5
Sample Pressure, psi: 85 **B Coefficient (assumed):** >0.95

FLOW DATA

Date	Elapsed Time, sec	Cell Pressure, psi	Inlet Pressure, psi	Outlet Pressure, psi	Gradient	Inflow V, cc	Outflow V, cc	Δ Inflow V, cc	Δ Outflow V, cc	Temp, °C	R_t	Permeability K @ 20 °C, cm/sec
9/3	---	90.0	86.0	84.0	27.0	4.90	20.25	---	---	---	---	---
9/3	37	90.0	86.0	84.0	27.0	8.60	16.45	3.70	3.80	20	1.000	8.9E-05
9/3	---	90.0	86.0	84.0	27.0	8.60	16.45	---	---	---	---	---
9/3	46	90.0	86.0	84.0	27.0	13.00	11.90	4.40	4.55	20	1.000	8.5E-05
9/3	---	90.0	86.0	84.0	27.0	13.00	11.90	---	---	---	---	---
9/3	93	90.0	86.0	84.0	27.0	21.05	3.85	8.05	8.05	20	1.000	7.6E-05
9/3	---	90.0	86.0	84.0	27.0	21.05	3.85	---	---	---	---	---
9/3	49	90.0	86.0	84.0	27.0	24.75	0.05	3.70	3.80	20	1.000	6.7E-05

PERMEABILITY AT 20 °C: 8.1 x 10^{-5} cm/sec (@ 5 psi effective stress)

Note: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

GeoTesting express

Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter by ASTM D 5084

Constant Volume

Client:	Maxymillian Technologies	**Start Date:**	9/2/2004
Project Name:	Phase II Remediation - Pownal Tannery Superfund	**End Date:**	9/3/2004
Project Location:	Pownal, VT	**Tested By:**	rmt
GTX #:	5150	**Checked By:**	fph
Boring #:	---	**Sample Type:**	remolded
Sample #:	0817CS-C	**Orientation:**	Vertical
Depth:	---	**Test #:**	k
Visual Description:	Moist, dark yellowish brown silty sand with gravel		

Sample Preparation: Compacted 92% of uncorrected maximum dry density (131.5 pcf) at the uncorrected optimum moisture content (9.0%). Material greater than 3/8 inch screened out of sample prior to testing (17% of sample). Trimmings moisture content = 9.0%.

Permeant Fluid: de-aired tap water **Cell #:** ---

Parameter	Initial	Final
Height, in	2.00	2.00
Diameter, in	2.87	2.90
Area, in^2	6.47	6.61
Volume, in^3	12.94	13.21
Mass, g	448	461
Bulk Density, pcf	131.6	132.7
Moisture Content, %	9.6	12.8
Dry Density, pcf	120.1	117.6
Degree of Saturation, %	---	98

B COEFFICIENT DETERMINATION

Cell Pressure, psi: 95 **Pressure Increment, psi:** 5
Sample Pressure, psi: 89.8 **B Coefficient:** 0.96

FLOW DATA

Date	Trial #	Cell Pressure, psi	Sample Pressure, psi	Manometer Readings Z_1	Z_2	Z_1-Z_2	Elapsed Time sec	Gradient	K, cm/sec	Temp, °C	R_t	Permeability K @ 20 °C, cm/sec
09/3	1	90	85	12.0	4.0	8.0	19	29.8	1.8E-05	20	1.000	1.8E-05
09/3	2	90	85	12.0	4.0	8.0	19	29.8	1.8E-05	20	1.000	1.8E-05
09/3	3	90	85	12.0	4.0	8.0	19	29.8	1.8E-05	20	1.000	1.8E-05
09/3	4	90	85	12.0	4.0	8.0	19	29.8	1.8E-05	20	1.000	1.8E-05

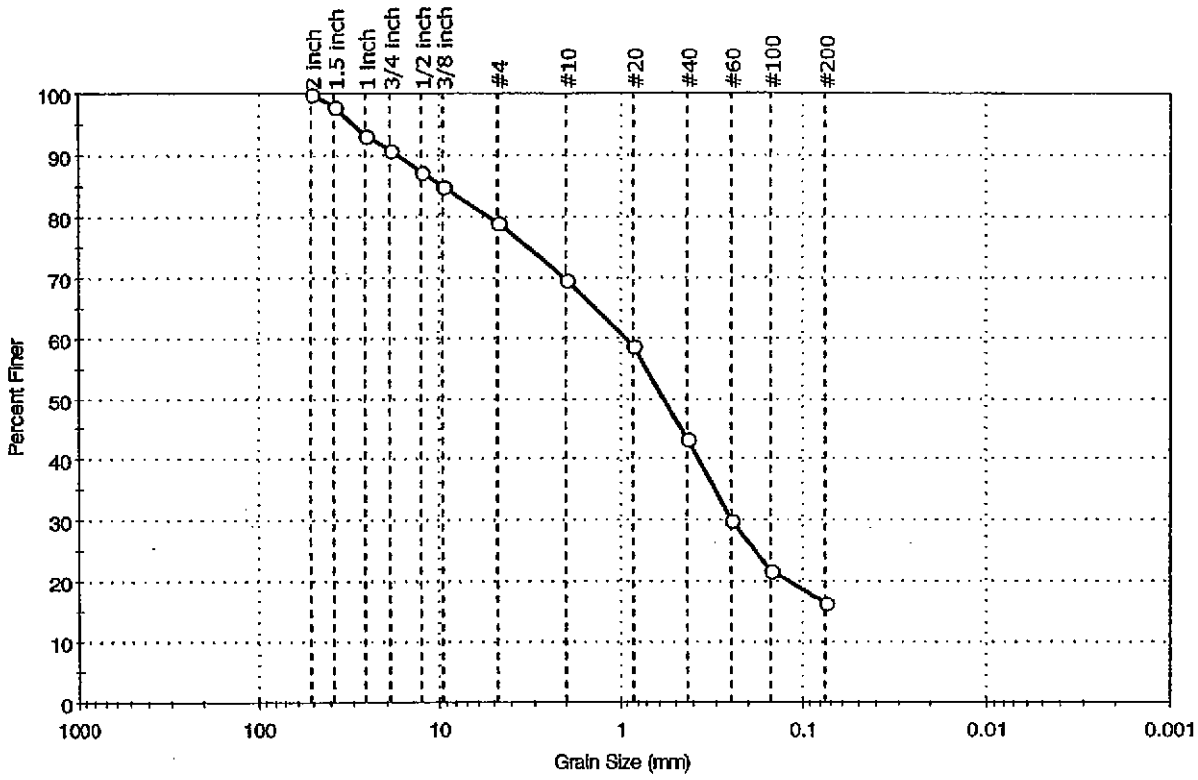
PERMEABILITY AT 20° C: 1.8 x 10^{-5} cm/sec (@ 5 psi effective stress)

Note: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0817CS-A	Test Date: 08/18/04	Checked By:	jdt
Depth : ---	Test Id: 58551		
Sample Description:	Moist, dark yellowish brown silty sand with gravel		
Sample Comment:	--		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	21.1	62.5	16.4

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
2 inch	50.80	100		
1.5 inch	38.10	98		
1 inch	25.70	93		
3/4 inch	19.00	91		
1/2 inch	12.70	87		
3/8 inch	9.51	85		
#4	4.75	79		
#10	2.00	70		
#20	0.84	59		
#40	0.42	43		
#60	0.25	30		
#100	0.15	22		
#200	0.075	16		

Coefficients

D_{85} =9.4179 mm D_{30} =0.2469 mm
D_{60} =0.9403 mm D_{15} =N/A
D_{50} =0.5709 mm D_{10} =N/A
C_u =N/A C_c =N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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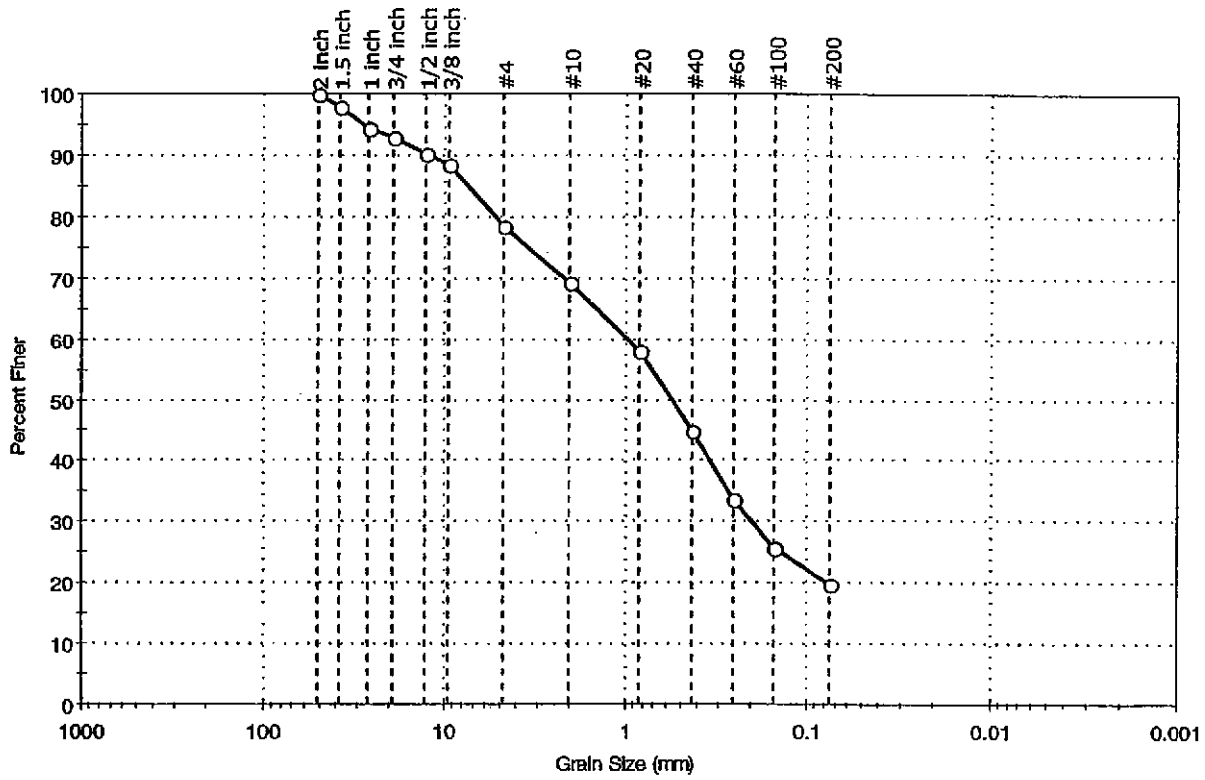
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0817CS-B	Test Date:	08/18/04	Checked By:	jdt
Depth :	---	Test Id:	58552		
Sample Description:	Moist, dark yellowish brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Particle Size Analysis - ASTM D 422



%Cobble	%Gravel	%Sand	%Silt & Clay Size
---	21.4	58.9	19.7

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
2 inch	50.80	100		
1.5 inch	38.10	98		
1 inch	25.70	94		
3/4 inch	19.00	93		
1/2 inch	12.70	90		
3/8 inch	9.51	88		
#4	4.75	79		
#10	2.00	69		
#20	0.84	58		
#40	0.42	45		
#60	0.25	34		
#100	0.15	26		
#200	0.075	20		

Coefficients

D_{85} =7.4951 mm D_{30} =0.1978 mm
D_{60} =0.9720 mm D_{15} =N/A
D_{50} =0.5531 mm D_{10} =N/A
C_u =N/A C_c =N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

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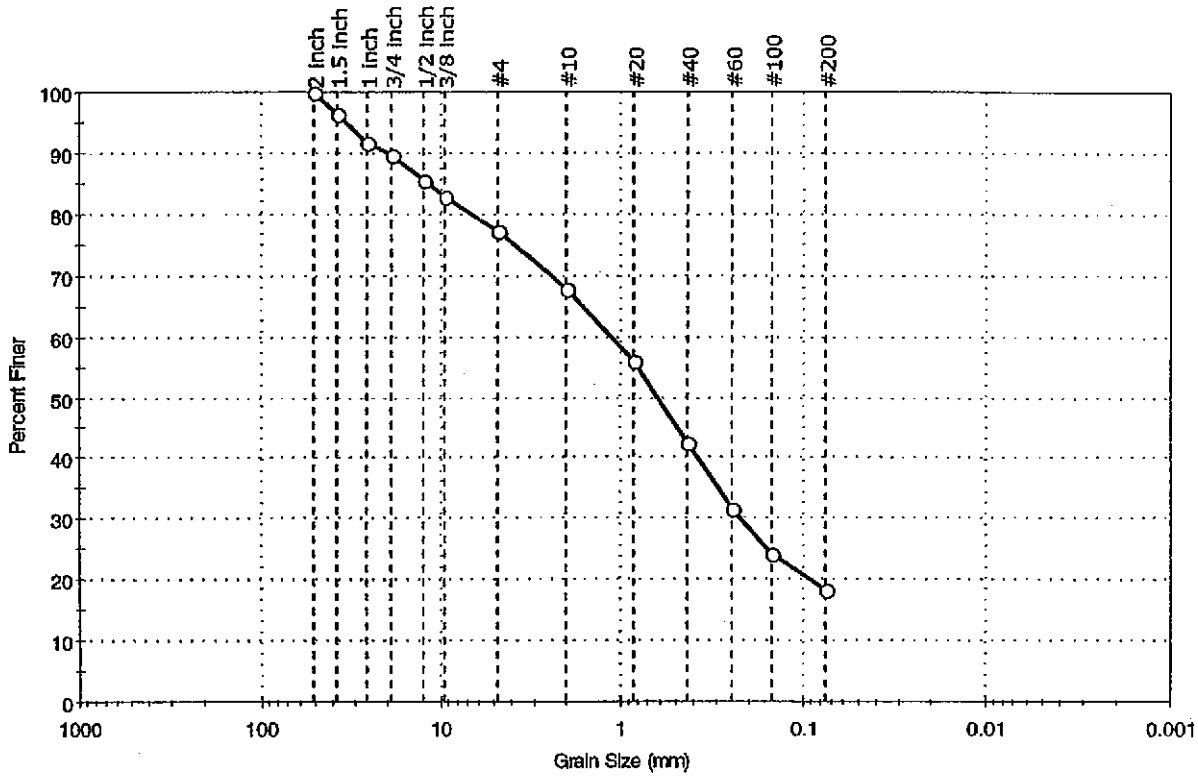
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0817CS-C	Test Date:	08/18/04	Checked By:	jdt
Depth :	---	Test Id:	58553		
Sample Description:	Moist, dark yellowish brown silty sand with gravel				
Sample Comment:	--				
Test Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	22.6	59.0	18.4

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
2 inch	50.80	100		
1.5 inch	38.10	96		
1 inch	25.70	92		
3/4 inch	19.00	90		
1/2 inch	12.70	85		
3/8 inch	9.51	83		
#4	4.75	77		
#10	2.00	68		
#20	0.84	56		
#40	0.42	42		
#60	0.25	32		
#100	0.15	24		
#200	0.075	18		

Coefficients

D_{85} =11.9907 mm D_{30} =0.2233 mm
D_{60} =1.1232 mm D_{15} =N/A
D_{50} =0.6210 mm D_{10} =N/A
C_u =N/A C_c =N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

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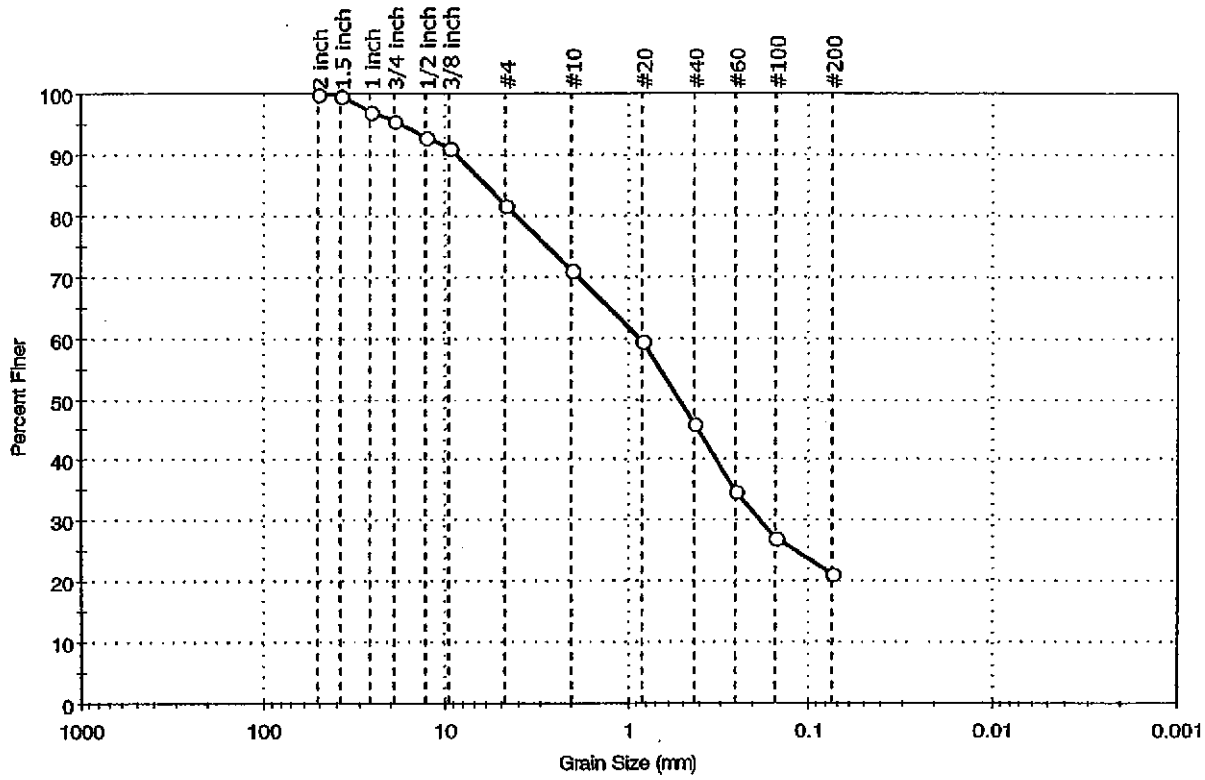
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0817CS-D	Test Date: 08/18/04	Checked By:	jdt
Depth : ---	Test Id: 58554		
Sample Description:	Moist, dark yellowish brown silty sand with gravel		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	18.4	60.3	21.3

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Complies
2 inch	50.80	100		
1.5 inch	38.10	100		
1 inch	25.70	97		
3/4 inch	19.00	96		
1/2 inch	12.70	93		
3/8 inch	9.51	91		
#4	4.75	82		
#10	2.00	71		
#20	0.84	59		
#40	0.42	46		
#60	0.25	35		
#100	0.15	27		
#200	0.075	21		

Coefficients

D_{85} =6.0939 mm D_{30} =0.1813 mm
D_{60} =0.8767 mm D_{15} =N/A
D_{50} =0.5203 mm D_{10} =N/A
C_u =N/A C_c =N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

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GeoTesting express

Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter by ASTM D 5084

Constant Gradient

Client:	Maxymillian Technologies	**Start Date:**	09/02/04
Project Name:	Phase II Remediation - Pownal Tannery Superfund	**End Date:**	09/03/04
Project Location:	Pownal, VT	**Tested By:**	rmt
GTX #:	5150	**Checked By:**	fph
Boring #:	---	**Sample Type:**	remolded
Sample #:	0817CS-D	**Orientation:**	Vertical
Depth:	---	**Test #:**	k
Visual Description:	Moist, dark yellowish brown silty sand with gravel		

Sample Preparation: Compacted 92% of uncorrected maximum dry density (131.0 pcf) at the uncorrected optimum moisture content (8.5%). Material greater than 3/8 inch screened out of sample prior to testing (9% of sample). Trimmings moisture content = 8.3%.

Permeant Fluid: de-aired tap water **Cell #:** ---

Parameter	Initial	Final
Height, in	2.00	2.00
Diameter, in	2.87	2.89
Area, in^2	6.47	6.56
Volume, in^3	12.94	13.12
Mass, g	443	462
Bulk Density, pcf	130.2	133.9
Moisture Content, %	8.9	13.5
Dry Density, pcf	119.6	117.9
Degree of Saturation, %	---	99

B COEFFICIENT DETERMINATION

Cell Pressure, psi: 90 **Press. Increment, psi:** 5
Sample Pressure, psi: 85 **B Coefficient (assumed):** >0.95

FLOW DATA

Date	Elapsed Time, sec	Cell Pressure, psi	Inlet Pressure, psi	Outlet Pressure, psi	Grad-lent	Inflow V, cc	Outflow V, cc	Δ Inflow V, cc	Δ Outflow V, cc	Temp, °C	R_t	Permeability K @ 20 °C, cm/sec
9/3	---	90.0	86.0	84.0	27.7	3.10	22.25	---	---	---	---	---
9/3	33	90.0	86.0	84.0	27.7	7.30	17.75	4.20	4.50	20	1.000	1.1E-04
9/3	---	90.0	86.0	84.0	27.7	7.30	17.75	---	---	---	---	---
9/3	49	90.0	86.0	84.0	27.7	12.45	12.35	5.15	5.40	20	1.000	9.2E-05
9/3	---	90.0	86.0	84.0	27.7	12.45	12.35	---	---	---	---	---
9/3	43	90.0	86.0	84.0	27.7	16.75	7.85	4.30	4.50	20	1.000	8.7E-05
9/3	---	90.0	86.0	84.0	27.7	16.75	7.85	---	---	---	---	---
9/3	75	90.0	86.0	84.0	27.7	23.45	1.00	6.70	6.85	20	1.000	7.7E-05

PERMEABILITY AT 20 °C: 9.2 x 10^{-5} cm/sec (@ 5 psi effective stress)

Note: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

Transmittal of Documents for Acceptance by EPA*

Date: **09/21/04**

Transmittal No. **73B**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
3.06.D	Field Quality Control - Testing of Delivered Soils	2	
	Cover Soil		
	ID#0826CS-1 - 22500 CY		
	ID#0826CS-2 - 25000 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

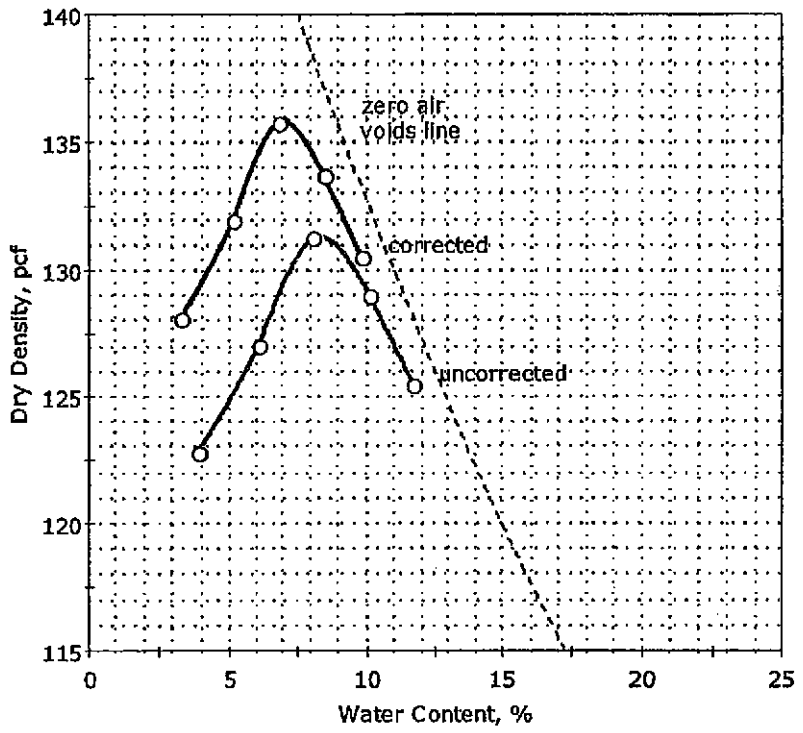
MT 73B

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0826CS-1	Test Date:	09/02/04	Checked By:	jdt
Depth :	---	Test Id:	59339		
Sample Description:	Moist, dark yellowish brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	122.8	127.0	131.3	129.0	125.5
Moisture Content, %	3.8	6.1	8.1	10.1	11.7

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.7

Maximum Dry Density= 131.5 pcf
Optimum Moisture= 8.5 %

Oversize Correction (16.0% > #4 Sieve)
Corrected Maximum Dry Density= 136.0 pcf
Corrected Optimum Moisture= 7.0 %
Average Bulk Specific Gravity = 2.65

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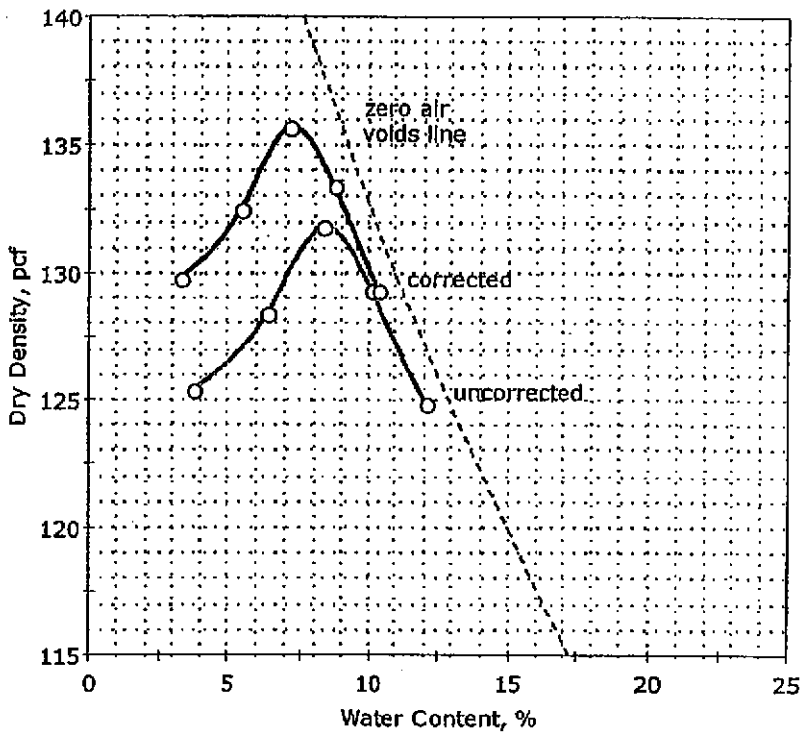
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0826CS-2	Test Date: 09/02/04	Checked By:	jdt
Depth : ---	Test Id: 59340		
Sample Description:	Moist, yellowish brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	125.4	128.4	131.8	129.3	124.9
Moisture Content, %	3.8	6.4	8.3	10.1	12.1

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.7

Maximum Dry Density= 132.0 pcf
Optimum Moisture= 8.5 %

Oversize Correction (14.0% > #4 Sieve)
Corrected Maximum Dry Density= 135.5 pcf
Corrected Optimum Moisture= 7.0 %
Average Bulk Specific Gravity = 2.65

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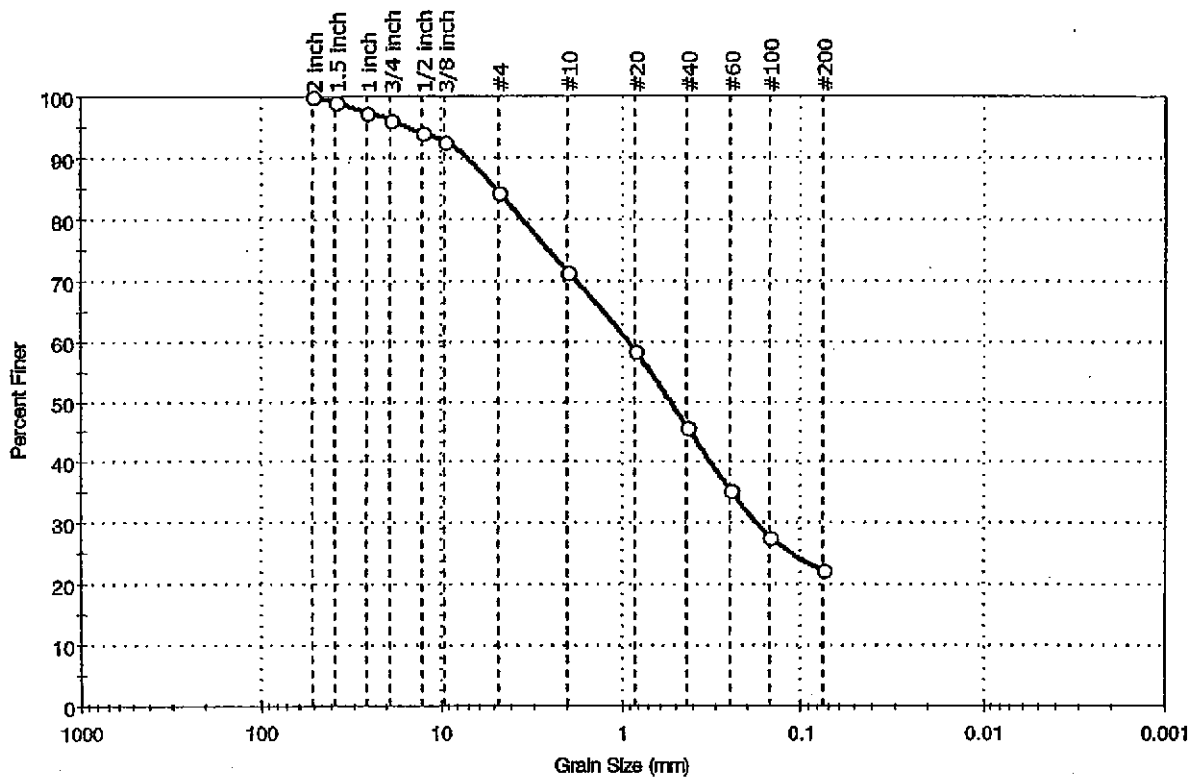
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0826CS-1	Test Date:	08/27/04	Checked By:	jdt
Depth :	---	Test Id:	59336		
Sample Description:	Moist, dark yellowish brown silty sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	15.6	62.1	22.3

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Compliance
2 inch	50.80	100		
1.5 inch	38.10	99		
1 inch	25.70	97		
3/4 inch	19.00	96		
1/2 inch	12.70	94		
3/8 inch	9.51	93		
#4	4.75	84		
#10	2.00	71		
#20	0.84	59		
#40	0.42	46		
#60	0.25	36		
#100	0.15	28		
#200	0.075	22		

Coefficients

D_{85} =4.9819 mm D_{30} =0.1723 mm
D_{60} =0.9283 mm D_{15} =N/A
D_{50} =0.5345 mm D_{10} =N/A
C_u =N/A C_c =N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

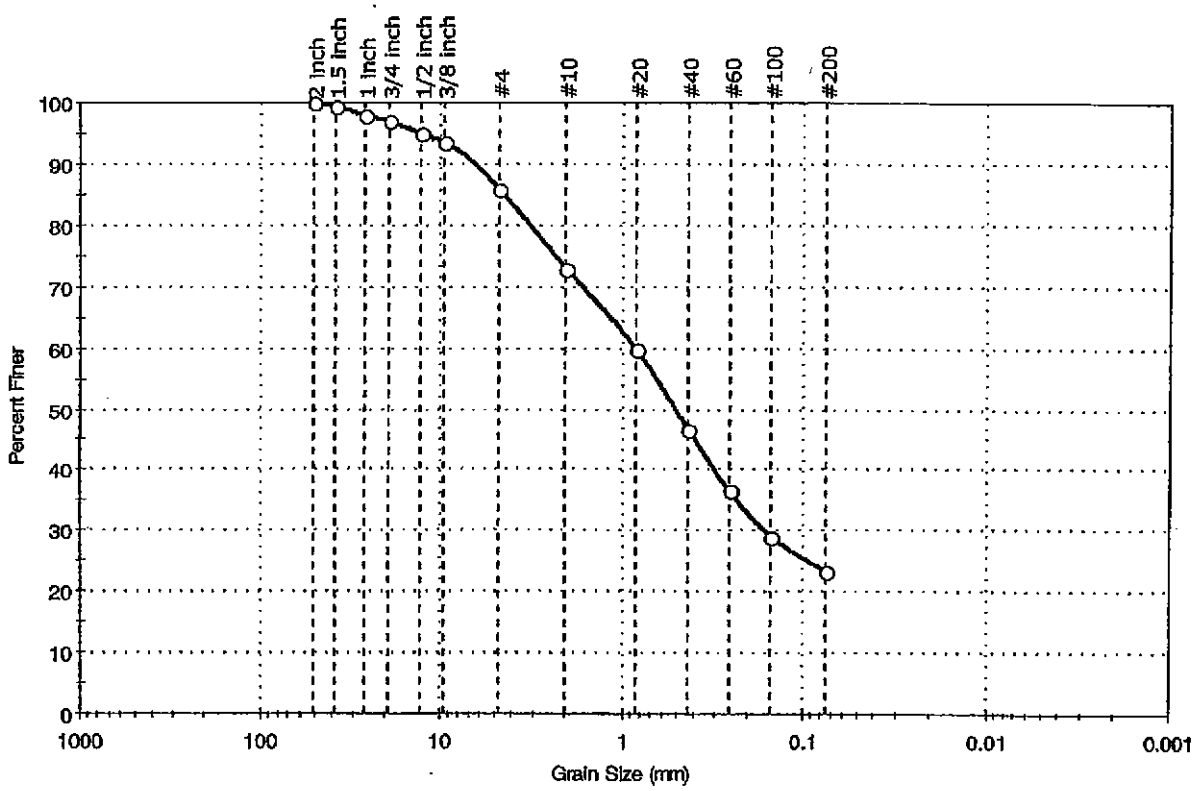
Sand/Gravel Hardness : HARD

printed 9/1/2004 8:09:47 AM

GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0826CS-2	Test Date: 08/27/04	Checked By:	jdt
Depth : ---	Test Id: 59337		
Sample Description:	Moist, yellowish brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	14.1	62.4	23.5

Sieve Name	Sieve Size (mm)	Percent Finer	Spec Percent	Complies
2 inch	50.80	100		
1.5 inch	38.10	99		
1 inch	25.70	98		
3/4 inch	19.00	97		
1/2 inch	12.70	95		
3/8 inch	9.51	93		
#4	4.75	86		
#10	2.00	73		
#20	0.84	60		
#40	0.42	47		
#60	0.25	37		
#100	0.15	29		
#200	0.075	23		

Coefficients

D_{85} =4.4889 mm	D_{30} =0.1592 mm
D_{60} =0.8442 mm	D_{15} =N/A
D_{50} =0.5037 mm	D_{10} =N/A
C_u =N/A	C_c =N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

printed 9/1/2004 8:11:33 AM

GeoTesting express

Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter by ASTM D 5084

Constant Gradient

Client:	Maxymillian Technologies	**Start Date:**	09/08/04
Project Name:	Phase II Remediation - Pownal Tannery Superfund	**End Date:**	09/15/04
Project Location:	Pownal, VT	**Tested By:**	mch
GTX #:	5150	**Checked By:**	fph
Boring #:	---	**Sample Type:**	remolded
Sample #:	0826CS-1	**Orientation:**	Vertical
Depth:	---	**Test #:**	k
Visual Description:	Moist, dark yellowish brown silty sand with gravel		

Sample Preparation: Compacted 92% of corrected maximum dry density (136.0 pcf) at the corrected optimum moisture content (7.0%). Material greater than 3/8 inch screened out of sample prior to testing (7% of sample). Trimmings moisture content = 7.0%.

Permeant Fluid: de-aired tap water **Cell #:** ---

Parameter	Initial	Final
Height, in	2.00	2.05
Diameter, in	2.87	2.92
Area, in^2	6.47	6.70
Volume, in^3	12.94	13.73
Mass, g	455	480
Bulk Density, pcf	133.7	132.9
Moisture Content, %	7.4	13.3
Dry Density, pcf	124.4	117.3
Degree of Saturation, %	---	95

B COEFFICIENT DETERMINATION

Cell Pressure, psi: 90 **Press. Increment, psi:** 5

Sample Pressure, psi: 85 **B Coefficient (assumed):** >0.95

FLOW DATA

Date	Elapsed Time, sec	Cell Pressure, psi	Inlet Pressure, psi	Outlet Pressure, psi	Gradient	Inflow V, cc	Outflow V, cc	Δ Inflow V, cc	Δ Outflow V, cc	Temp, °C	R_i	Permeability K @ 20 °C, cm/sec
9/15	---	90.0	86.0	84.0	27.0	9.00	15.00	---	---	---	---	---
9/15	42	90.0	86.0	84.0	27.0	15.00	9.00	6.00	6.00	20	1.000	1.2E-04
9/15	---	90.0	86.0	84.0	27.0	9.00	15.00	---	---	---	---	---
9/15	42	90.0	86.0	84.0	27.0	15.00	9.00	6.00	6.00	20	1.000	1.2E-04
9/15	---	90.0	86.0	84.0	27.0	9.00	15.00	---	---	---	---	---
9/15	42	90.0	86.0	84.0	27.0	15.00	9.00	6.00	6.00	20	1.000	1.2E-04
9/15	---	90.0	86.0	84.0	27.0	9.00	15.00	---	---	---	---	---
9/15	42	90.0	86.0	84.0	27.0	15.00	9.00	6.00	6.00	20	1.000	1.2E-04

PERMEABILITY AT 20 °C: 1.2 x 10^{-4} cm/sec (@ 5 psi effective stress)

Note: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

GeoTesting
express

Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter by ASTM D 5084

Constant Gradient

Client:	Maxymillian Technologies	**Start Date:**	09/08/04
Project Name:	Phase II Remediation - Pownal Tannery Superfund	**End Date:**	09/10/04
Project Location:	Pownal, VT	**Tested By:**	rmt
GTX #:	5150	**Checked By:**	fph
Boring #:	---	**Sample Type:**	remolded
Sample #:	0826CS-2	**Orientation:**	Vertical
Depth:	---	**Test #:**	k
Visual Description:	Moist, yellowish brown silty sand		

Sample Preparation: Compacted 92% of corrected maximum dry density (135.5 pcf) at the corrected optimum moisture content (7.0%). Material greater than 3/8 inch screened out of sample prior to testing (7% of sample). Trimmings moisture content = 7.1%.

Permeant Fluid: de-aired tap water **Cell #:** ---

Parameter	Initial	Final
Height, in	2.00	2.04
Diameter, in	2.87	2.88
Area, in^2	6.47	6.51
Volume, in^3	12.94	13.29
Mass, g	453	481
Bulk Density, pcf	133.1	137.6
Moisture Content, %	7.2	13.8
Dry Density, pcf	124.2	120.9
Degree of Saturation, %	---	99

B COEFFICIENT DETERMINATION

Cell Pressure, psi: 90
Sample Pressure, psi: 85
Press. Increment, psi: 5
B Coefficient (assumed): >0.95

FLOW DATA

Date	Elapsed Time, sec	Cell Pressure, psi	Inlet Pressure, psi	Outlet Pressure, psi	Gradient	Inflow V, cc	Outflow V, cc	Δ Inflow V, cc	Δ Outflow V, cc	Temp, °C	R_t	Permeability K @ 20 °C, cm/sec
9/10	---	90.0	86.0	84.0	27.1	0.15	24.80	---	---	---	---	---
9/10	60	90.0	86.0	84.0	27.1	4.90	19.65	4.75	5.15	20	1.000	7.2E-05
9/10	---	90.0	86.0	84.0	27.1	4.90	19.65	---	---	---	---	---
9/10	62	90.0	86.0	84.0	27.1	9.10	15.25	4.20	4.40	20	1.000	6.1E-05
9/10	---	90.0	86.0	84.0	27.1	9.10	15.25	---	---	---	---	---
9/10	50	90.0	86.0	84.0	27.1	12.30	11.95	3.20	3.30	20	1.000	5.7E-05
9/10	---	90.0	86.0	84.0	27.1	12.30	11.95	---	---	---	---	---
9/10	93	90.0	86.0	84.0	27.1	17.70	6.45	5.40	5.50	20	1.000	5.1E-05

PERMEABILITY AT 20 °C: 6.0 x 10^{-5} cm/sec (@ 5 psi effective stress)

Note: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

TOPSOIL AND SEED

Transmittal of Documents for Acceptance by EPA*

Date: **08/09/04**

Transmittal No. **69**

Specification Section: **02921**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Topsoil and Seeding		
2.02	Topsoil *Foxcroft Nurseries, Inc.; Buskirk NY 518-686-9647*	2	
	Analysis Report *UMass Soil Testing*		
	Gradation *Advance Testing Company, Inc.*		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 69

*For use by the contractor when submitting a deliverable to the RPM/WAM.

SOIL ANALYSIS REPORT FOR RESEARCH 08/06/04

SOIL AND PLANT TISSUE TESTING LAB
WEST EXPERIMENT STATION
UNIVERSITY OF MASSACHUSETTS
AMHERST, MA 01003

LAB NUMBER: S040804-220
BAG NUMBER: 59221

SOIL WEIGHT: 4.95 g/5cc

MAXYMILLIAN TECHNOLOGIES
1801 EAST ST
PITTSFIELD, MA 01201

CONCERNS:

ANALYSIS REPORT

SAMPLE ID: POWNAL TOPSOIL C
SOIL TYPE:

✓ SOIL PH. 6.8 ALUMINUM (AL): 6 PPM (Soil Range: 10-300) ✓
BUFFER PH 7.0 ORGANIC MATTER: 12.8 %. Desirable range 4-8%.

NUTRIENT LEVELS:		PPM	LOW MEDIUM HIGH VERY HIGH
PHOSPHORUS	(P)	249	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
POTASSIUM	(K)	382	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CALCIUM	(CA)	2278	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
MAGNESIUM	(MG)	628	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
AMMONIUM	(NH4-N)	25	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
NITRATE	(NO3-N)	110	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

✓ CATION EXCH CAP PERCENT ~~BASE SATURATION~~
17.7 MEQ/100G K= 5.6 MG=29.4 CA=65.1 94 ✓
>10

MICRONUTRIENT		PPM	SOIL RANGE	MICRONUTRIENT		PPM	SOIL RANGE
Boron	(B)	1.4	0.1-2.0	Copper	(Cu)	1.3	0.3-8.0
Manganese	(Mn)	38.2	3 - 20	Iron	(Fe)	7.1	1.0- 40
Zinc	(Zn)	10.6	0.1- 70				

EXTRACTED LEAD (PB) 1 PPM. ESTIMATED TOTAL LEAD IS 39 PPM.
EXTRACTED CADMIUM (CD) 0.3 PPM.
EXTRACTED NICKEL (NI) 0.1 PPM. EXTRACTED CHROMIUM (CR) 0.3 PPM.

COMMENTS

COMPUTER PROGRAM & RECOMMENDATIONS BY DEPT OF PLANT & SOIL SCI UMASS-AMHERST.

Advance Testing
3348 Route 208, Campbell Hall, NY 10916
Phone: 845-496-1600 Fax: 845-496-1398
42 Day Farm Road, West Stockbridge, MA 01266
Phone: 413-232-4040 Fax: 413-232-4141

Client:	J.H. Maxymillian, Inc.	**Project:**	Quality Control
Item:	Topsoil	**ATC Project #:**	040376
Source:	J.H. Maxymillian, Inc.	**ATC Lab #:**	04-0461
Date Sampled:	7/8/2004	**Sampled By:**	Client
Date Tested:	7/12-13/2004	**Tested By:**	R. Calvo

PARTICLE SIZE ANALYSIS BY SIEVE AND HYDROMETER METHOD

Test Methods: ASTM D422, AASHTO T88

Sieve Size	Particle Diameter, mm	Percent Passing	Specification
3/8"	9.50	100.0	
#4	4.75	100.0	
#10	2.00	99.4	
#40	0.425	95.5	
#200	0.075	61.2	
Hydrometer Analysis Results	0.050	52.6	
	0.020	28.5	
	0.010	19.0	
	0.005	12.2	
	0.002	6.8	

SOIL SPECIFIC GRAVITY: 2.75 (As reported separately, or estimated.)

DISPERSION METHOD: Mechanical, 1 min.

SAND & GRAVEL PARTICLES: Subangular, mostly hard, durable sand.

Notes: Additional sieve analysis results may be reported separately.

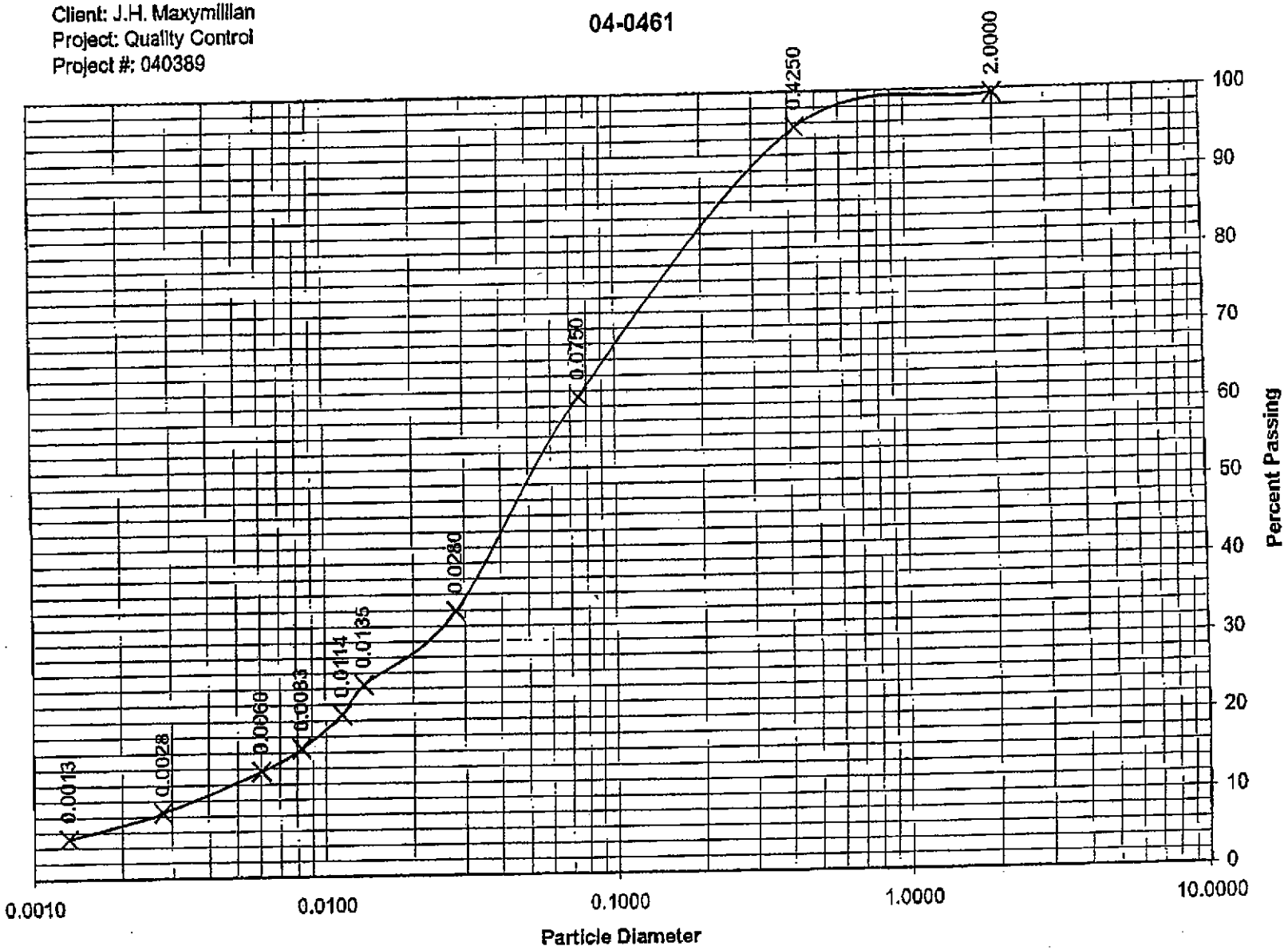
✓ Soil classifies as LOAM on the soil textural triangle.

GRAVEL CONTENT (Retained on the #10 sieve)		0.6% ✓
RELATIVE PERCENTAGES IN THE FRACTION THE #10 SIEVE:		PASSING
Sand	(#10 to 0.05 mm)	47.1%
Silt	(0.05 mm to 0.002 mm)	46.1%
Clay	(Less than 0.002 mm)	6.8%
Total		100.0%

REPORT REVIEWED BY: _____

Client: J.H. Maxymillian
Project: Quality Control
Project #: 040389

04-0461



ADVANCE TESTING COMPANY, INC.

Transmittal of Documents for Acceptance by EPA*

Date: 09/28/04

Transmittal No. 69A

Specification Section: 02921

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Field Quality Control - Testing of Delivered Soils		
2.08.B	Topsoil *Foxcroft Nurseries, Inc.; Buskirk NY 518-686-9647*	2	
	Bag # 59736 - 2,500 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 69A

*For use by the contractor when submitting a deliverable to the RPM/WAM.

SOIL ANALYSIS REPORT FOR RESEARCH 09/21/04

SOIL AND PLANT TISSUE TESTING LAB
WEST EXPERIMENT STATION
UNIVERSITY OF MASSACHUSETTS
AMHERST, MA 01003

LAB NUMBER: S040916-102
BAG NUMBER: 59736

SOIL WEIGHT: 5.13 g/5cc

MAXYMILLIAN TECH, INC
1801 EAST ST - S. EPSTEIN
PITTSFIELD, MA 01201

COMMENTS:

ANALYSIS REPORT

SAMPLE ID: SP1-2
SOIL TYPE:

SOIL PH 7.2
BUFFER PH 7.3

ALUMINUM (AL): 8 PPM (Soil Range: 10-300)
ORGANIC MATTER: 6.6 %. Desirable range 4-8%.

NUTRIENT LEVELS:	PPM	LOW	MEDIUM	HIGH	VERY HIGH
PHOSPHORUS (P)	54	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
POTASSIUM (K)	241	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
CALCIUM (CA)	1781	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
MAGNESIUM (MG)	369	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
AMMONIUM (NH4-N)	3	XXXXXX			
NITRATE (NO3-N)	65	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			

CATION EXCH CAP
12.3 MEQ/100G

PERCENT BASE SATURATION
K= 4.9 MG=24.1 CA=71.1

MICRONUTRIENT		PPM	SOIL RANGE	MICRONUTRIENT		PPM	SOIL RANGE
Boron	(B)	0.8	0.1-2.0	Copper	(Cu)	1.4	0.3-8.0
Manganese	(Mn)	20.9	3 - 20	Iron	(Fe)	6.5	1.0- 40
Zinc	(Zn)	7.4	0.1- 70				

EXTRACTED LEAD (PB) 2 PPM.
EXTRACTED CADMIUM (CD) 0.3 PPM.
EXTRACTED NICKEL (NI) 0.2 PPM.

ESTIMATED TOTAL LEAD IS 53 PPM.

EXTRACTED CHROMIUM (CR) 0.3 PPM.

COMMENTS

COMPUTER PROGRAM & RECOMMENDATIONS BY DEPT OF PLANT & SOIL SCI UMASS-AMHERST.

Transmittal of Documents for Acceptance by EPA*

Date: 10/07/04

Transmittal No. 69B

Specification Section: 02921

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Field Quality Control - Testing of Delivered Soils		
2.08.B	Topsoil *Foxcroft Nurseries, Inc.; Buskirk NY 518-686-9647*	2	
	Bag #59937 - 5,000 CY		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 69B

*For use by the contractor when submitting a deliverable to the RPM/WAM.

SOIL ANALYSIS REPORT FOR NEW LAWN 10/05/04

SOIL AND PLANT TISSUE TESTING LAB
WEST EXPERIMENT STATION
UNIVERSITY OF MASSACHUSETTS
AMHERST, MA 01003

LAB NUMBER: S041001-214
BAG NUMBER: 59937

SOIL WEIGHT: 4.86 g/5cc
CROP:

MAXYMILLIAN TECHNOLOGIES
1801 EAST ST
PITTSFIELD, MA 01201

COMMENTS:

SAMPLE ID: PT-1

LIMESTONE AND FERTILIZER RECOMMENDATIONS FOR NEW LAWN CONSTRUCTION

No limestone is required. If peat moss or similar material is to be incorporated, see enclosed fact sheet.

Fertilizer (per 1000 sq ft): 1 lbs N, 0 lbs P2O5, and 0 lbs K2O.

Many fertilizer sources and rates may combine to provide acceptable turfgrass establishment either from seed or sod. One or two options based on this soil test follow:

Incorporate a 30-3-3 lawn fertilizer at 7 lbs/1000 sq ft into the top 3 to 4 inches of soil. Retest soil one year after turf establishment.

PLEASE read the enclosed fact sheets for more specific information on fertilization and liming procedures.

SOIL pH 7.1 NITROGEN: NO3-N = 35 ppm NH4-N = 3 ppm
BUFFER pH 7.3 ORGANIC MATTER: 8.7 % (Desirable range 4-10%)

NUTRIENT LEVELS:	PPM	Low	Medium	High	Very High
Phosphorus (P)	121	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Potassium (K)	232	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Calcium (Ca)	1573	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Magnesium (Mg)	394	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			

CATION EXCH CAP
12.1 Meq/100g

PERCENT BASE SATURATION
K= 5.1 Mg=27.7 Ca=67.4

MICRONUTRIENT LEVELS
ALL NORMAL

EXTRACTABLE ALUMINUM: 12 ppm (Soil range: 10-250 ppm)

The lead level in this soil is low.

VISIT www.umass.edu/plsoils/soiltest FOR FURTHER INFORMATION ON SOIL TESTING AT UMASS.
TO CONTACT THE LAB: EMAIL soiltest@umext.umass.edu PHONE (413-545-2311).

Transmittal of Documents for Acceptance by EPA*

Date: 08/02/04

Transmittal No. 64

Specification Section: 02921

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
2.01	State Seed Mix per Specifications	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

*For use by the contractor when submitting a deliverable to the RPM/WAM.

MT 64

jodi\MT\04009\04009 TRA 51-043-32B_2 =46=

51-043-32B(2)

Charles Dooley
Bus (413)533-0776
Fax (413)533-0792

VALLEY GREEN INC.

642 S. SUMMER ST.
HOLYOKE, MA. 01040

CERTIFICATE OF MATERIALS

Date JULY 26, 2004

We hereby certify that Valley Green, Inc.

Furnished to MAXYMILLIAN TECHNOLOGIES

For use on POWNAL TANNERY SUPERFUND SITE

Federal # _____ Contract # _____

Quantity _____ Identified by POWNAL SEED MIX

Shipped via _____

Date _____ Remarks.

Pownal Seed Mixture

PER.	FINE TEXTURED GRASSES	GERM.
50%	CREEPING RED FESCUE	85%
30%	K-31 TALL FESCUE	85%
10%	DOMESTIC RYEGRASS	90%
05%	RED TOP	85%
05%	LADINO CLOVER	85%

NOXIOUS WEEDS/NONE CLAIMED
TESTED 07/04 VALLEY GREEN, INC. HOLYOKE, MA

MEETS THE REQUIREMENTS OF THE PERTINENT PROJECT PLANS, SPECIAL PROVISIONS AND SPECIFICATIONS OF THE DEPARTMENT OF TRANSPORTATION IN ALL RESPECTS. PROCESSING, TESTING, AND INSPECTION CONTROL OF RAW MATERIAL ARE IN CONFORMANCE WITH ALL ARTICLES FURNISHED.

ALL RECORDS AND DOCUMENTS PERTINENT TO THIS CERTIFICATE AND NOT SUBMITTED HEREWITH WILL BE MAINTAINED AVAILABLE FOR A PERIOD OF NOT LESS THAN THREE YEARS FROM DATE OF FINAL PAYMENT.

Signed _____ Title WAREHOUSE MNGR.

Notary Public _____ Com Expires _____

Transmittal of Documents for Acceptance by EPA*

Date: **08/02/04**

Transmittal No. **65**

Specification Section: **02950**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
2.01.A	New England Conservation / Wildlife Seed Mix Certificate	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 65

*For use by the contractor when submitting a deliverable to the RPM/WAM.

Charles Dudley Bus.(413)533-0726
Fax (413)533-0792

VALLEY GREEN INC.

642 S. SUMMER ST.
HOLYOKE, MA. 01040

CERTIFICATE OF MATERIALS

Date JULY 26, 2004

We hereby certify that **Valley Green, Inc.**

Furnished to MAXYMILLIAN TECHNOLOGIES

For use on POWNAL TANNERY SUPERFUND SITE

Federal # _____ Contract # _____

Quantity _____ Identified by New England Conservation/wildlife Seed

Shipped via _____

Date _____ Remarks.

NEW ENGLAND CONSERVATION/WILDLIFE SEED MIX

PER.	BOTANICAL NAME	COMMON NAME
20.00%	Andropogon gerardii	Roundtree Big Bluestem
19.00%	Panicum virgatum	Sunburst Switch Grass
13.0%	Andropogon scoparius	Camper Little Bluestem
13.00%	Carex vulpinoidea	Fox Sedge
13.00%	Elymus canadensis	Canada Wild Rye
06.00%	Chamaecrista fasciculata	Partridge Pea
05.00%	Bromus cillatus	Fringed Brome Grass
05.00%	Polygonum pensylvanicum	Pennsylvania Smartweed
02.00%	Asclepias syriaca	Common Milkweed
01.50%	Bidens cernua	Nodding Bur Marigold
01.00%	Desmodium canadense	Showy Tick Trefoil
01.00%	Aster novae-angliae	New England Aster
00.50%	Aster umbrellatus	Flat Topped White Aster

TESTED 07/04 VALLEY GREEN, INC. HOLYOKE, MA

MEETS THE REQUIREMENTS OF THE PERTINENT PROJECT PLANS, SPECIAL PROVISIONS AND SPECIFICATIONS OF THE DEPARTMENT OF TRANSPORTATION IN ALL RESPECTS. PROCESSING, TESTING, AND INSPECTION CONTROL OF RAW MATERIAL ARE IN CONFORMANCE WITH ALL ARTICLES FURNISHED.

ALL RECORDS AND DOCUMENTS PERTINENT TO THIS CERTIFICATE AND NOT SUBMITTED HEREWITH WILL BE MAINTAINED AVAILABLE FOR A PERIOD OF NOT LESS THAN THREE YEARS FROM DATE OF FINAL PAYMENT.

Signed _____ Title WAREHOUSE MNGR.

Notary Public _____ Com Expires _____

NEW ENGLAND ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTING SERVICES

MEMO

TO: Juraj Bajgar

FROM: Scott Fisher

FAX: (802) 823-5990

DATE: September 29, 2004 **1 PAGE**

FILE: 04-2391

RE: List of installed plant materials at the Pownal, VT Tannery Site

****

Juraj,

Below is a list of the plant materials that were installed at the Pownal, VT Tannery Superfund Site. I will also provide this list in the upcoming Post Construction report.

Common Name	*Scientific Name*	Height	Plant Size	Quantity
White Pine	*Pinus strobus*	4'	B&B 1-2" Caliper	25
Box Elder Maple	*Acer negundo*	6'	3 Gal. 1-2" Caliper	25
Red Oak	*Quercus rubra*	10-20'	B&B 2" Caliper	25
Black Chokeberry	*Aronia melanocarpa*	4-5'	5 Gallon	45
American Witch Hazel	*Hamamelis virginiana*	3-4'	1 Gallon	45
Shadblow	*Amelanchier canadensis*	3-4'	1 Gallon	45

Fax to Juraj

9 RESEARCH DRIVE • AMHERST, MA 01002 • PHONE: (413) 256-0202 • FAX: (413) 256-1092

NEW ENGLAND ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTING SERVICES

MEMO

TO: Maxymillian, Inc.

ATT: Mr. Glenn Houle

FROM: Scott Fisher

FAX: (802) 823-5518

DATE: September 30, 2004

FILE: Pownal, VT Tannery Site

RE: Cost Estimate for Additional Plantings

Glenn,

Please find a cost proposal for the additional shrub and tree plantings at the Tannery Site in Pownal, VT. If you have any further questions regarding this project and this proposal, please don't hesitate in calling. Below is a scope of work for this project:

Scope of Work:

1. Supply and install 5 White Pine (B&B 4' in height 1" caliper), 5 Box Elder Maple (3 Gallon), 10 Black Chokeberry (5 Gallon 3-4').

2. Guarantee all wetland plantings for one full growing season following the installation of the plant materials.

FEE:

The cost for the above scope of work is $3,000.00
(Three Thousand Dollars).

9 RESEARCH DRIVE • AMHERST, MA 01002 • PHONE: (413) 256-0202 • FAX: (413) 256-1092

RIPRAP AND GRAVELS

Transmittal of Documents for Acceptance by EPA*

Date: 07/15/04

Transmittal No. 53

Specification Section: 02316

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
2.01.J	Fill and Backfill		
	Rip-Rap	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

*For use by the contractor when submitting a deliverable to the RPM/WAM.

MT 53

jodhMT\04009\04009 TRA 51-043-32B_2 #46-

51-043-32B(2)

Dunn Geoscience Laboratory
12 Metro Park Road, Albany, NY 12205 (518) 458-1313

LAB NUMBER	12-92-52/0012B-00001
CLIENT	W.E. DAILEY
SAMPLE DESC.	92-3, 100-150 feet
TEST BY	REF
DATE RECEIVED	12/18/92
DATE TESTED	1/14/93
DATE REPORTED	2/3/93
TEST STANDARD	93014
REVIEWED BY	[illegible]

TEST DESCRIPTION	10-CYCLE MAGNESIUM SULFATE SOUNDNESS
TEST SPECIFICATION	NYSDOT 207
TEST SPEC. VALUE	MAXIMUM LOSS BY WEIGHT - 18%

TEST RESULTS : 1.03 PERCENT LOSS < 10%

NOTES:

est Samples are retained for 30 days after submission
nd then discarded, unless other arrangements are made.

JS

SOIL & MATERIAL TESTING, INC.
57 SOUTH MAIN STREET • CASTLETON, N.Y. 12033

Office	Telephone	Office	Telephone
Castleton	(518) 732-7205	Binghamton	(607) 722-1582
	Fax (518) 732-4516	Highland	(914) 691-4922
	WWW.SMTESTING.COM	Kingston	(914) 336-4471
		Pittsfield	(413) 499-5938

May 10, 1999

Mr. George Woodworth
Dailey Concrete
RR 1, Box 51
Rt 7A
Shaftsbury, VT 05262

Re: ***Laboratory Testing, Dailey PO # 051258*** SMT No.: **82079**

Soil & Material Testing Inc. is pleased to submit test results for the above referenced project. The samples will be stored at SMT for 30 days. Please contact us for longer storage periods.

Test Procedure: *AASHTO T 96 (ASTM C 131); Resistance to Degradtion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine 500 Revolutions Type B*

SMT Sample ID	*Quarry Stone*
Loss	*26 %*

< 40 %

If you have any questions or comments about these results or any other matter, please feel free to contact us.

Sincerely,

SOIL & MATERIAL TESTING, INC.

Jennifer A. Everleth

Jennifer A. Everleth
President

AGGREGATE PROPERTIES

01/05/04

SHAFTSBURY

	BULK SP.G.	SSD SP.G.	APP. SP.G.	ABS.	ANGULARITY	SD. EQ.	LA	T+E	#200 WASH
Quarry ASTM #5 1"	2.780	2.795	2.823	0.6	100		22	2	0.6
Quarry Hot Mix 3/4"	2.781	2.798	2.830	0.6	100		22	2	0.6
Quarry Hot Mix 1/2"	2.773	2.791	2.824	0.6	100		22	2	1.3
Quarry Hot Mix 3/8"	2.755	2.781	2.816	0.8	100		22	2	1.0
Quarry #67	2.713	2.734	2.772	0.8	100		22	1	0.7
#67	2.715	2.739	2.782	0.9	73		28	2	0.6
Concrete Sand	2.677	2.707	2.760	1.1					2.6
Coarse SS	2.716	2.754	2.823	1.4	46.3	97			0.8
Quarry Precast Sd	2.695	2.724	2.776	1.1					2.9
Violas	2.652	2.677	2.720	0.9	45.0	93			8.5
Mason Sand	2.626	2.664	2.729	1.4					

MANCHESTER

3/8"	2.667	2.694	2.742	1.0	63		34	3
#67	2.642	2.674	2.729	1.2	61		34	5
Conc. Sand	2.600	2.645	2.722	1.7				

GREENWICH

Concrete 3/4"	2.562	2.613	2.701	2.6	28			
Conc. Sand	2.649	2.680	2.733	1.2				

G_s = Specific Gravity
W_s = Weight of Solid
V_s = Volume of Solid
γ_w = Unit Weight of H_2O
= 62.4 pcf

$$\text{Density} = \frac{W}{V} = G_s \times \gamma_w$$
$$= 2.780 \times 62.4$$
$$= 173.5 \text{ pcf}$$

173.5 > 165 ?

802-823-5518

P.4

Transmittal of Documents for Acceptance by EPA*

Date: 04/29/04

Transmittal No. 24

Specification Section: 02316

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
2.01.F	Crushed Gravel	2	None

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 24

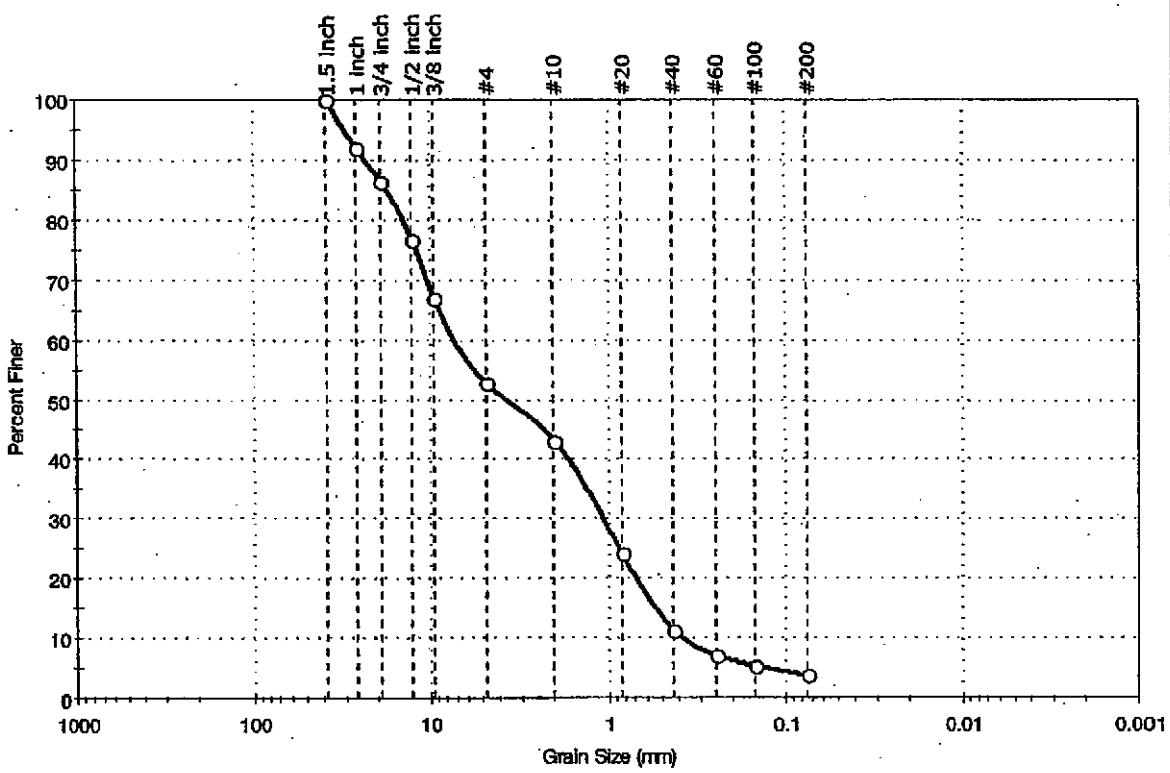
*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting Express, Inc.

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	Harts pit	Sample Type:	bucket	Tested By:	ahp
Sample ID:	2 inch Gravel - 1	Test Date:	04/14/04	Checked By:	jdt
Depth :	---	Test Id:	50659		

Sample Description: Moist, yellowish brown sand with gravel
Sample Comment: —
Test Comment: ---

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	47.2	49.1	3.7

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Compliec
1.5 inch	38.10	100		
1 inch	25.70	92		
3/4 inch	19.00	87		
1/2 inch	12.70	77		
3/8 inch	9.51	67		
#4	4.75	53		
#10	2.00	43		
#20	0.84	24		
#40	0.42	11		
#60	0.25	7		
#100	0.15	5		
#200	0.075	4		

Coefficients

D_{85} =17.8283 mm D_{30} =1.0974 mm
D_{60} =6.7310 mm D_{15} =0.5177 mm
D_{50} =3.6827 mm D_{10} =0.3604 mm
C_u =18.675 C_c =0.179

Classification

ASTM Poorly graded sand with gravel (SP)

AASHTO Stone Fragments, Gravel and Sand (A-1-a (0))

Sample/Test Description

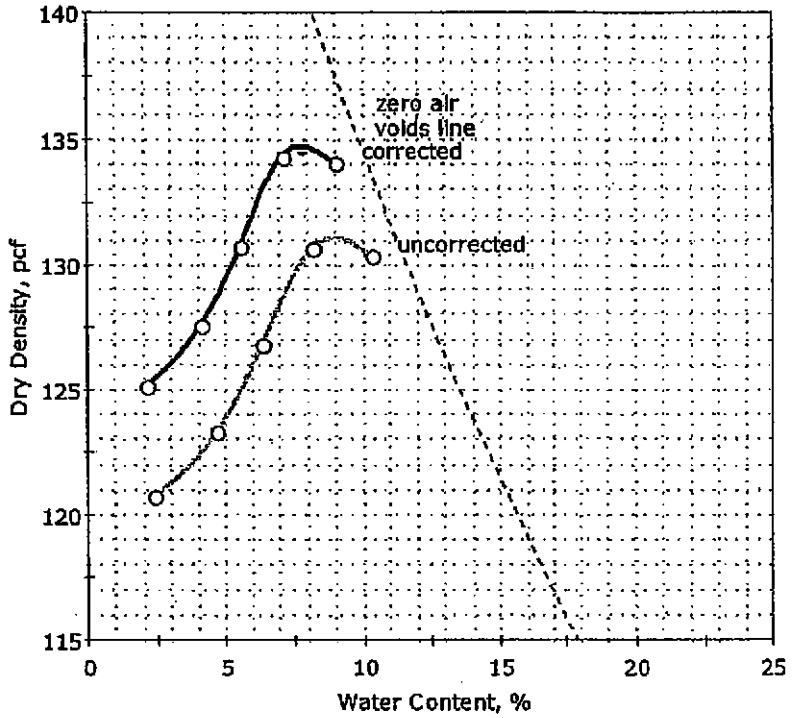
Sand/Gravel Particle Shape : ---
Sand/Gravel Hardness : HARD
Dispersion Device : N/A
Dispersion Period : N/A
Specific Gravity : 2.65 assumed

printed 4/16/2004 10:56:31 AM

GeoTesting Express, Inc.

Client:	N.L. Construction, Inc.				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	Harts pit	Sample Type:	bucket	Tested By:	ahp
Sample ID:	2 inch Gravel - 1	Test Date:	04/27/04	Checked By:	jdt
Depth :	---	Test Id:	51088		
Sample Description:	Moist, yellowish brown sand with gravel				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	120.8	123.4	126.8	130.7	130.4
Moisture Content, %	2.4	4.7	6.4	8.2	10.3

Method : C

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.75

Maximum Dry Density= 131.0 pcf
Optimum Moisture= 9.0 %

Oversize Correction (13.0% > 3/4 inch Sieve)
Corrected Maximum Dry Density= 134.5 pcf
Corrected Optimum Moisture= 8.0 %
Average Bulk Specific Gravity (assumed)= 2.65

printed 4/28/2004 2:29:07 PM

Transmittal of Documents for Acceptance by EPA*

Date: **09/09/04**

Transmittal No. **81**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
2.01.G	Fill Materials - Road Gravel	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 81

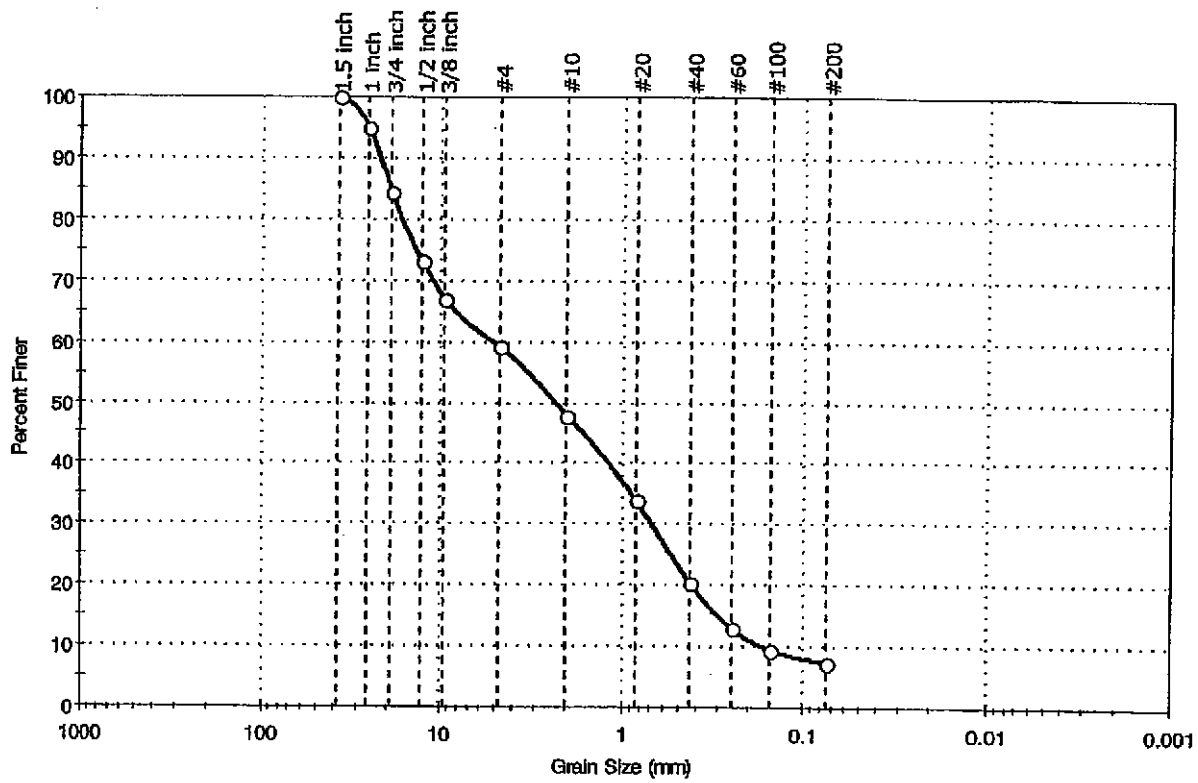
*For use by the contractor when submitting a deliverable to the RPM/WAM.

jcd\MT\04009\04009 TRA 51-043-32B_2 #46-88, 76-80

GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0825RG	Test Date: 08/27/04	Checked By:	jdt
Depth : ---	Test Id: 59334		
Sample Description:	Moist, yellowish brown sand with silt and gravel		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	40.8	51.8	7.4

Sieve Name	Sieve Size (mm)	Percent Finer	Spec. Percent	Pass/Fail
1.5 inch	38.10	100		
1 inch	25.70	95		
3/4 inch	19.00	84		
1/2 inch	12.70	73		
3/8 inch	9.51	67		
#4	4.75	59		
#10	2.00	48		
#20	0.84	34		
#40	0.42	20		
#60	0.25	13		
#100	0.15	9		
#200	0.075	7		

Coefficients

D_{85} =19.2809 mm	D_{30} =0.6921 mm
D_{60} =5.0910 mm	D_{15} =0.2895 mm
D_{50} =2.3515 mm	D_{10} =0.1621 mm
C_u =31.402	C_c =0.094

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-a (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

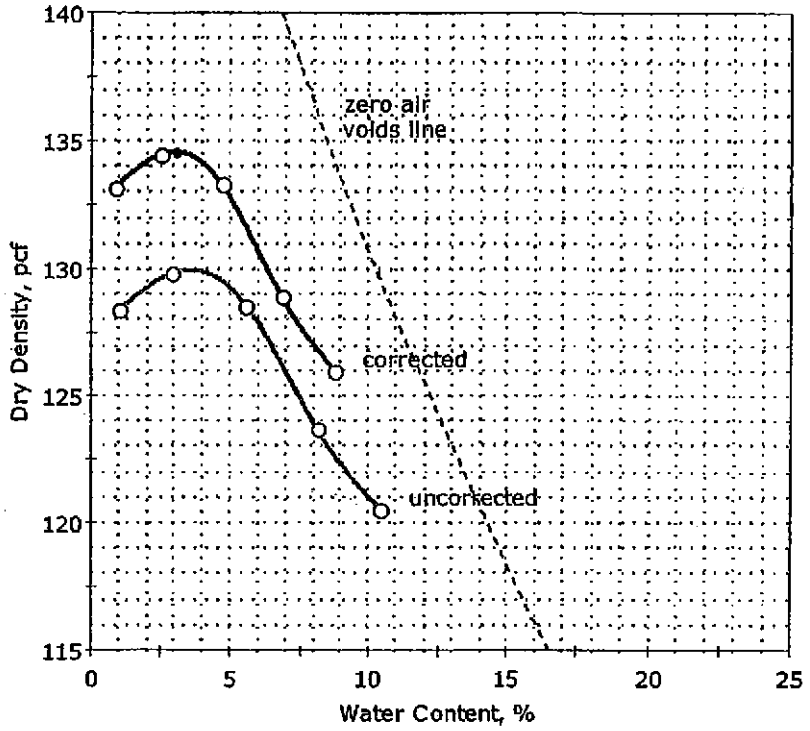
Sand/Gravel Hardness : HARD

printed 9/1/2004 8:09:01 AM

GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0825RG	Test Date:	09/02/04	Checked By:	jdt
Depth :	---	Test Id:	59338		
Sample Description:	Moist, yellowish brown sand with silt and gravel				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	128.4	129.8	128.6	123.7	120.5
Moisture Content, %	1.0	2.9	5.6	8.1	10.5

Method : C

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density=	130.0 pcf
Optimum Moisture=	3.5 %
Oversize Correction	(16.0% > 3/4 inch Sieve)
Corrected Maximum Dry Density=	134.5 pcf
Corrected Optimum Moisture=	3.0 %
Average Bulk Specific Gravity =	2.65

printed 9/7/2004 9:49:18 AM

Transmittal of Documents for Acceptance by EPA*

Date: **09/09/04**

Transmittal No. **82**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Fill and Backfill		
2.01.H	Fill Materials - 1-1/2" Crushed Stone	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 82

*For use by the contractor when submitting a deliverable to the RPM/WAM.

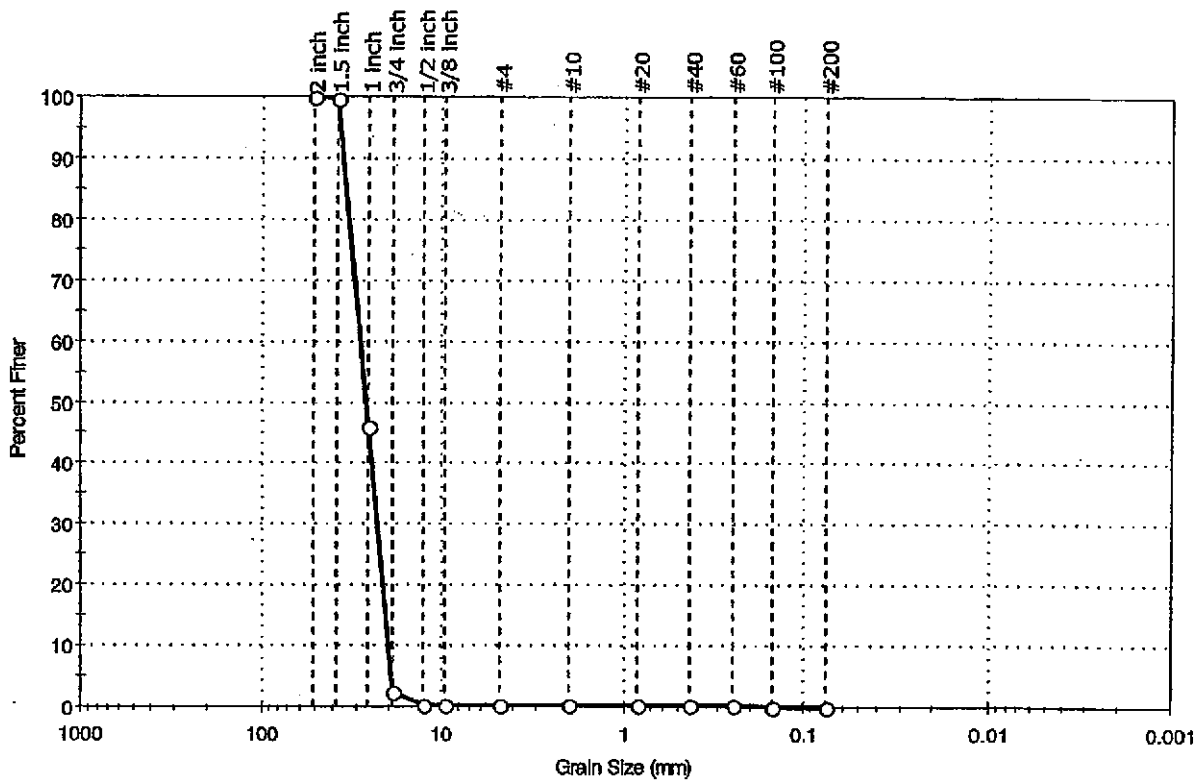
jod\MT\04009\04006 TRA 51-043-32B_2 #46-68, 76-80

51-043-32B(2)

GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0825CR	Test Date: 08/30/04	Checked By:	jdt
Depth : ---	Test Id: 59335		
Sample Description:	Moist, light gray gravel		
Sample Comment:	---		
Test Comment:	---		

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	99.7	0.2	0.1

Sieve Name	Sieve Size (mm)	Percent Finer	Spec Percent	Complies
2 inch	50.80	100		
1.5 inch	38.10	100		
1 inch	25.70	46		
3/4 inch	19.00	2		
1/2 inch	12.70	0		
3/8 inch	9.51	0		
#4	4.75	0		
#10	2.00	0		
#20	0.84	0		
#40	0.42	0		
#60	0.25	0		
#100	0.15	0		
#200	0.075	0		

Coefficients

D_{85} =34.2148 mm	D_{30} =23.0101 mm
D_{60} =28.4822 mm	D_{15} =20.7428 mm
D_{50} =26.4677 mm	D_{10} =20.0378 mm
C_u =1.421	C_c =18.589

Classification

ASTM Poorly graded gravel (GP)

AASHTO Stone Fragments, Gravel and Sand (A-1-a (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

printed 9/1/2004 8:14:33 AM

APPENDIX F (cont.)

FILL AND BACKFILL FIELD COMPACTION DATA

Transmittal of Documents for Acceptance by EPA*

Date: **04/28/04**

Transmittal No. **23**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report for Access Road		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 23

*For use by the contractor when submitting a deliverable to the RPM/WAM.

Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Roadway

Project #: GTX-5150
Date: 4/21/2004
Weather: Cloudy ~ 40 F
Page: 1 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698/1557)

Sample ID	Bank Material	Hart's Pit			
Corrected Maximum Dry Density, pcf	130.0	135			
Corrected Optimum Moisture Content, %	7.5	7.0			

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	42104	7	136.2	100.9	Hart's Pit	Lift 1
2	42104	7	135.7	100.5	Hart's Pit	Lift 1
3	42104	7	122.8	91.0	Hart's Pit	Lift 1
4	42104	4	131.2	100.9	Bank Material	Lift 2
5	42104	5	125.1	96.2	Bank Material	Lift 2
6	42104	4	129.0	99.2	Bank Material	Lift 3
7	42104	4	123.9	95.3	Bank Material	Lift 3

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seamans A270	—

Notes: 9 inch depth unless otherwise noted. High compaction numbers accepted and caused by mixing of materials
Hart's Pit sample is also referred to as General Fill 1/4".

Field Monitor: Mr. Craig Paradis

On-Site: 9:15 AM
Off-Site: 11:15 AM

Mileage: 238 miles
Travel Time: 5 hours

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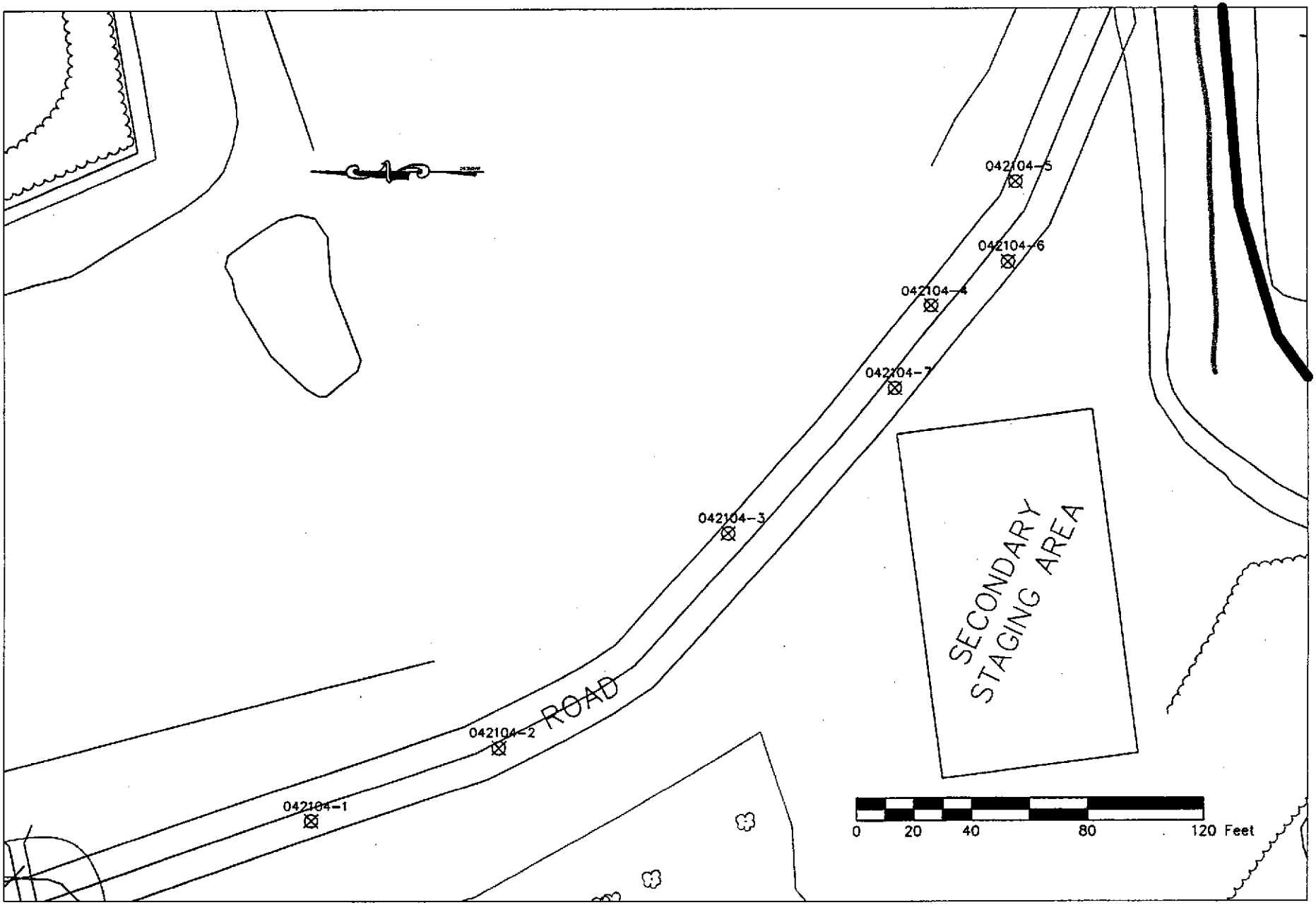

FIELD DENSITY TESTING (COMPACTION) - 04/21/04

PERIMETER ACCESS ROAD

Transmittal of Documents for Acceptance by EPA*

Date: **06/18/04**

Transmittal No. **36**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Access Road, Landfill Sludge Placement, and Lagoon#1 Backfill	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

*For use by the contractor when submitting a deliverable to the RPM/WAM.

MT 36

Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: —

Project #: GTX-5150
Date: 6/4/2004
Weather: Partly Cloudy, 70's
Page: 1 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698/1557)

Sample ID	5X Landfill	Bank Material	Harts Pit		
Corrected Maximum Dry Density, pcf	85.0	130	134.5		
Corrected Optimum Moisture Content, %	29.5	7.5	8.0		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0406-1	—	34	83.3	98.0	5X Landfill	
0406-2	—	24	99.9	117.5	5X Landfill	
0406-3	—	21	103.3	121.5	5X Landfill	
0406-4	—	23	100.2	117.9	5X Landfill	
0406-5	—	21	105.9	124.6	5X Landfill	
0406-6	—	31	88.8	104.5	5X Landfill	
0406-7	—	54	63.5	97.7	5X Landfill	65 pcf used as reference; see note.
0406-8	—	36	75.1	92.7	5X Landfill	81 pcf used as reference; see note.
0406-9	—	27	100.2	117.9	5X Landfill	
0406-10	—	22	109.1	128.4	5X Landfill	
0406-8.1	—	30	85.1	100.1	5X Landfill	retest
0406-11	—	25	96.4	113.4	5X Landfill	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3411	—

Notes: 6 inch depth unless otherwise noted.
Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor: Mr. Larry Pierce

On-Site: 10:00 AM
Off-Site: 2:00 PM

Mileage: 238 miles
Travel Time: 6 hours

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Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: —

Project #: GTX-5150
Date: 6/4/2004
Weather: Partly Cloudy, 70's
Page: 2 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698/1557)

Sample ID	5X Landfill	Bank Material	Harts Pit		
Corrected Maximum Dry Density, pcf	85.0	130	134.5		
Corrected Optimum Moisture Content, %	29.5	7.5	8.0		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0406-12	Lagoon #1	5	119.7	92.1	Bank Material	
0406-13	Lagoon #1	4	120.2	92.5	Bank Material	
0406-14	Lagoon #1	4	122.7	94.4	Bank Material	
0406-15	Lagoon #1	4	125.5	96.5	Bank Material	
0406-16	Lagoon #1	5	131.7	101.3	Bank Material	
0406-17	Perimeter Access Road	4	142.4	105.9	Harts Pit	
0406-18	Perimeter Access Road	4	141	104.8	Harts Pit	
0406-19	Perimeter Access Road	5	138.6	103.0	Harts Pit	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3411	—

Notes: 6 inch depth unless otherwise noted.

Field Monitor: Mr. Larry Pierce

On-Site: 10:00 AM
Off-Site: 2:00 PM

Mileage: 238 miles
Travel Time: 6 hours

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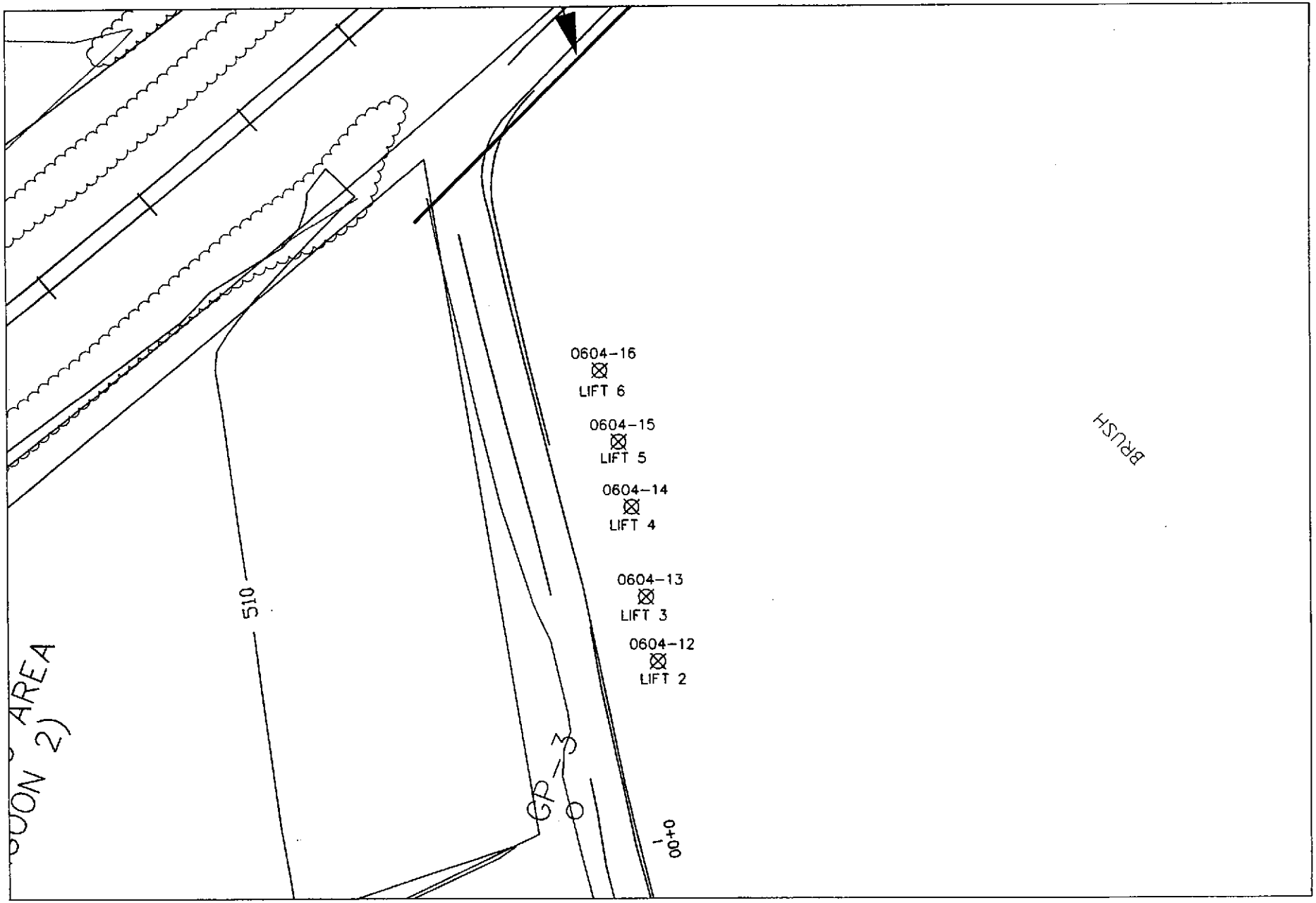
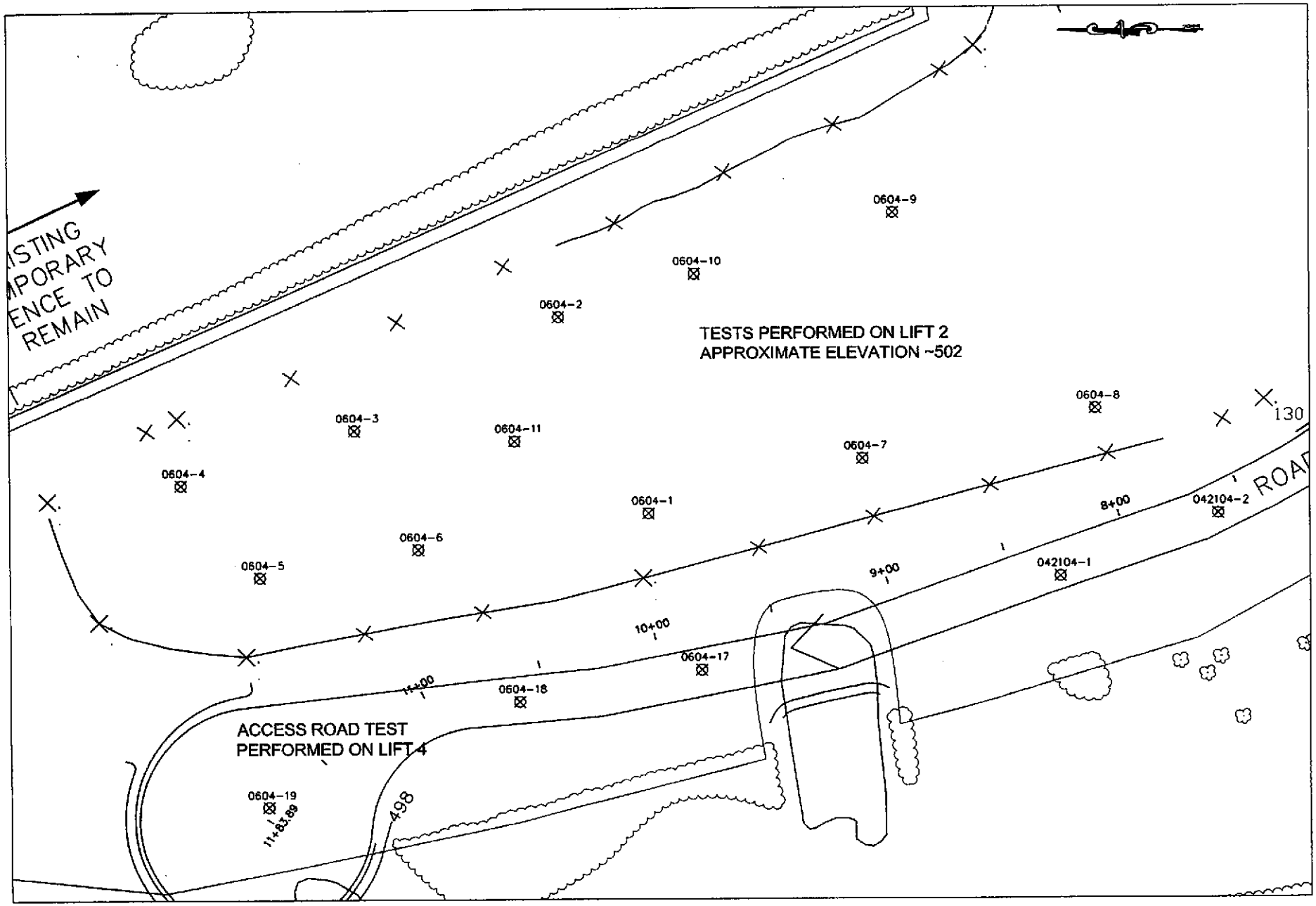


FIELD DENSITY TESTING (COMPACTION) - 06/4/04

LAGOON #1 BACKFILL (GENERAL FILL MATERIAL)



FIELD DENSITY TESTING (COMPACTION) - 06/4/04

LANDFILL - STABILIZED SLUDGE AND PERIMETER ACCESS ROAD

Transmittal of Documents for Acceptance by EPA*

Date: 06/29/04

Transmittal No. 40

Specification Section: 02316

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Landfill Sludge Placement	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 40

*For use by the contractor when submitting a deliverable to the RPM/WAM.

Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Landfill

Project #: GTX-5150
Date: 6/17/2004
Weather: Sunny, 70's
Page: 1 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698/1557)

Sample ID	0617SS-1				
Corrected Maximum Dry Density, pcf	49.0				
Corrected Optimum Moisture Content, %	74.0				

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0617-1	Landfill	39	45.3	92.4	0617SS-1	
0617-2	Landfill	40	52.3	106.7	0617SS-1	
0617-3	Landfill	37	48.4	98.8	0617SS-1	
0617-4	Landfill	36	59.5	121.4	0617SS-1	
0617-5	Landfill	37	48.5	99.0	0617SS-1	
0617-6	Landfill	38	50.5	103.1	0617SS-1	
0617-7	Landfill	37	49.7	101.4	0617SS-1	
0617-8	Landfill	39	47.1	96.1	0617SS-1	
0617-9	Landfill	39	47.2	96.3	0617SS-1	
0617-10	Landfill	35	48.2	98.4	0617SS-1	
0617-11	Landfill	40	44.9	91.6	0617SS-1	
0617-12	Landfill	36	58.9	120.2	0617SS-1	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 5086	—

Notes: 6 inch depth unless otherwise noted.
Test locations determined by client.

Field Monitor: Mr. Steven Seat

On-Site: 9:30 AM
Off-Site: 1:30 PM

Mileage: 238 miles
Travel Time: 6 hours

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Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Landfill

Project #: GTX-5150
Date: 6/17/2004
Weather: Sunny, 70's
Page: 2 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698/1557)

Sample ID	0617SS-1				
Corrected Maximum Dry Density, pcf	49.0				
Corrected Optimum Moisture Content, %	74.0				

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0617-13	Landfill	36	50.2	102.4	0617SS-1	
0617-14	Landfill	36	49.7	101.4	0617SS-1	
0617-15	Landfill	37	47.4	96.7	0617SS-1	
0617-16	Landfill	39	49.5	101.0	0617SS-1	
0617-17	Landfill	39	44.3	90.4	0617SS-1	

Methods and Equipment

Method	Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 5086	—

Notes: 6 inch depth unless otherwise noted.
Test locations determined by client.

Field Monitor: Mr. Steven Seat

On-Site: 9:30 AM
Off-Site: 1:30 PM

Mileage: 238 miles
Travel Time: 6 hours

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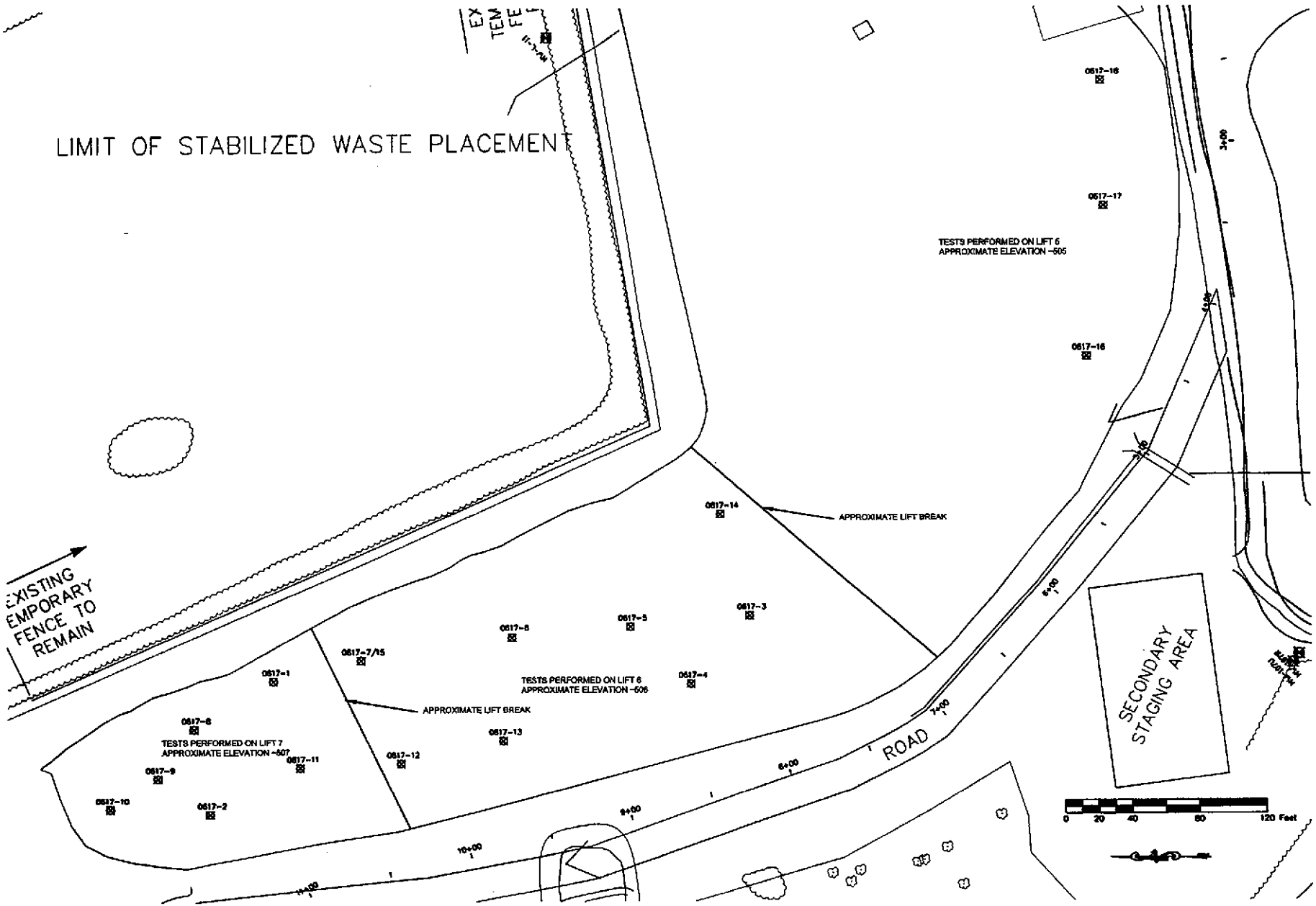

FIELD DENSITY TESTING - 06/17/04

LANDFILL - STABILIZED SLUDGE

Transmittal of Documents for Acceptance by EPA*

Date: **06/29/04**

Transmittal No. **41**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Landfill Sludge Placement and Lagoon #1 Backfill	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 41

*For use by the contractor when submitting a deliverable to the RPM/WAM.

Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: —

Project #: GTX-5150
Date: 6/11/2004
Weather: Partly Cloudy, 70's
Page: 1 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698/1557)

Sample ID	5x Landfill	Bank Material	046SS		
Corrected Maximum Dry Density, pcf	85.0	130.0	74.0		
Corrected Optimum Moisture Content, %	29.5	7.5	37.5		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0611-1	—	51	63.5	97.7	0406SS	65 pcf used as reference; see note.
0611-2	—	50	67.3	90.9	0406SS	
0611-3	—	47	67.7	91.5	0406SS	
0611-4	—	45	70.3	95.0	0406SS	
0611-5	—	51	64.3	98.9	0406SS	65 pcf used as reference; see note.
0611-6	—	37	77.9	103.9	0406SS	75 pcf used as reference; see note.
0611-7	—	47	69.1	93.4	0406SS	
0611-8	—	49	67	90.5	0406ss	
0611-9	—	57	60.4	99.0	0406ss	61 pcf used as reference; see note.
0611-10	—	52	63.3	98.9	0406ss	64 pcf used as reference; see note.
0611-11	—	44	73.2	98.9	0406ss	
0611-12	—	45	74.1	100.1	0406ss	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth unless otherwise noted.
Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor: Mr. Larry Pierce

On-Site: 9:00 AM
Off-Site: 1:00 AM

Mileage: 238 miles
Travel Time: 6 hours

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Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: —

Project #: GTX-5150
Date: 6/11/2004
Weather: Partly Cloudy, 70's
Page: 2 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698/1557)

Sample ID	0406ss	Bank Material	5x Landfill		
Corrected Maximum Dry Density, pcf	74.0	130.0	85.0		
Corrected Optimum Moisture Content, %	37.5	7.5	29.5		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0611-13	—	37	78.7	92.6	5x Landfill	
0611-14	—	39	78.6	92.5	5x Landfill	
0611-15	—	41	78.5	92.4	5x Landfill	
0611-16	—	49	66.8	90.3	0406ss	
0611-17	—	50	69.9	94.5	0406ss	
0611-18	—	41	71.3	96.4	0406ss	
0611-19	—	24	98.2	102.3	5x Landfill	96 pcf used as reference; see note.
0611-20	—	57	60.5	97.6	5x Landfill	62 pcf used as reference; see note.
0611-21	—	36	77.7	91.4	5x Landfill	
0611-22	—	33	80.6	94.8	5x Landfill	
0611-23	—	40	71.7	93.1	5x Landfill	77 pcf used as reference; see note.
0611-24	—	55	62.7	101.1	0406ss	62 pcf used as reference; see note.

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth unless otherwise noted.
Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor: Mr. Larry Pierce

On-Site: 9:00 AM
Off-Site: 1:00 AM

Mileage: 238 miles
Travel Time: 6 hours

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Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: —

Project #: GTX-5150
Date: 6/11/2004
Weather: Partly Cloudy, 70's
Page: 3 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698/1557)

Sample ID	5 X	Bank Material	046SS		
Corrected Maximum Dry Density, pcf	85.0	130.0	74.0		
Corrected Optimum Moisture Content, %	29.5	7.5	37.5		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0611-25	—	43	71.2	96.2	0406SS	
0611-26	—	4	135.2	104.0	Bank Material	
0611-27	—	5	136.1	104.7	Bank Material	
0611-28	—	5	133.1	102.4	Bank Material	
0611-29	—	5	131.2	100.9	Bank Material	
0611-30	—	5	138.0	106.2	Bank Material	
0611-31	—	5	139.3	107.2	Bank Material	
0611-32	—	5	136.6	105.1	Bank Material	
0611-33	—	5	133.8	102.9	Bank Material	
0611-34	—	6	129.2	99.4	Bank Material	
0611-35	—	6	129.6	99.7	Bank Material	
0611-36	—	5	130.9	100.7	Bank Material	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth unless otherwise noted.
Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor: Mr. Larry Pierce

On-Site: 9:00 AM
Off-Site: 1:00 AM

Mileage: 238 miles
Travel Time: 6 hours

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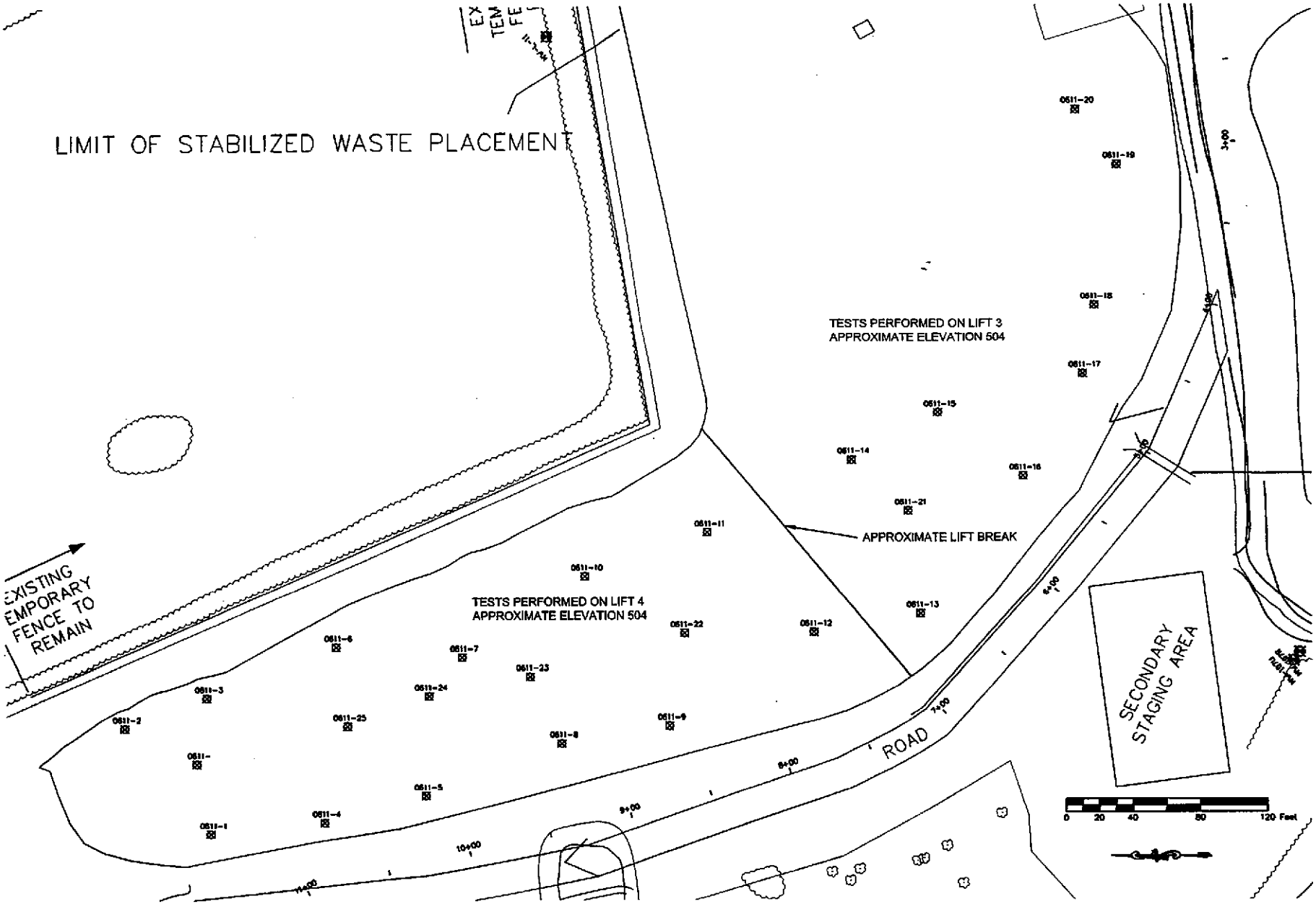
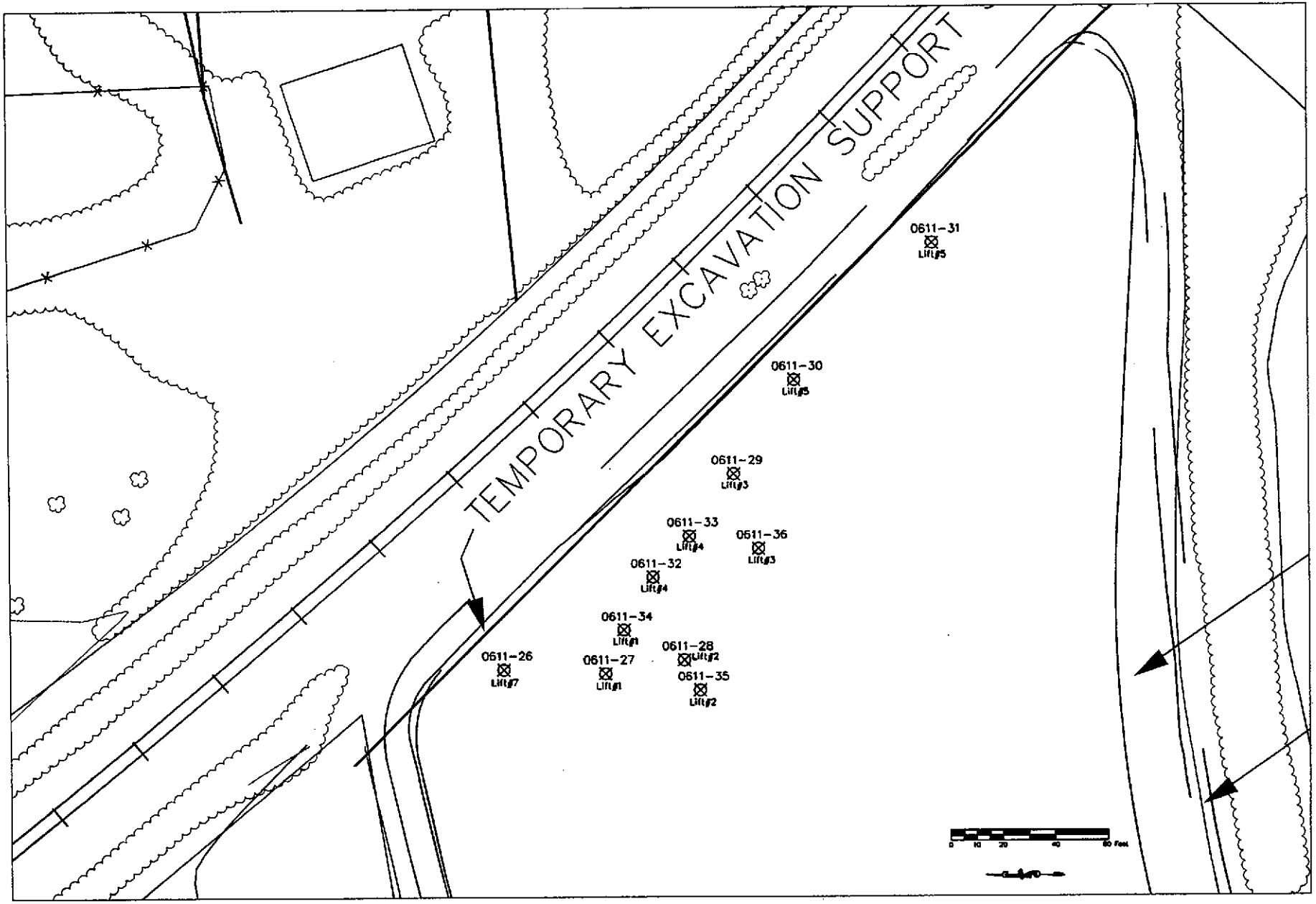


FIELD DENSITY TESTING - 06/11/04

LANDFILL - STABILIZED SLUDGE



FIELD DENSITY TESTING - 06/11/04

LAGOON #1 BACKFILL (GENERAL FILL)

Transmittal of Documents for Acceptance by EPA*

Date: **07/15/04**

Transmittal No. **47**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Landfill Sludge Placement and Lagoon Backfill Density Testing	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 47

*For use by the contractor when submitting a deliverable to the RPM/WAM.

Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Landfill

Project #: GTX-5150
Date: 6/22/2004
Weather: Cloudy, 60's
Page: 1 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698/1557)

Sample ID	0617SS-2	4X Landfill	5X Landfill	0611GF	
Corrected Maximum Dry Density, pcf	69.0	83.0	85.0	138.0	
Corrected Optimum Moisture Content, %	44.0	31.5	29.5	7.5	

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0622-1	Landfill	66	52.5	92.1	0617SS-2	57.0 pcf used as reference; see note.
0622-2	Landfill	59	55.5	91.0	0617SS-2	61.0 pcf used as reference; see note.
0622-3	Landfill	77	50.1	96.3	0617SS-2	52.0 pcf used as reference; see note.
0622-4	Landfill	36	77.7	91.4	5X Landfill	
0622-5	Landfill	30	87.8	102.1	4X Landfill	86.0 pcf used as reference; see note.
0622-6	Landfill	73	52.5	99.1	0617SS-2	53.0 pcf used as reference; see note.
0622-7	Landfill	70	53.1	97.4	0617SS-2	54.5 pcf used as reference; see note.
0622-8	Landfill	71	55.8	103.3	0617SS-2	54.0 pcf used as reference; see note.
0622-9	Landfill	51	62.8	91.0	0617SS-2	
0622-10	Landfill	53	64.5	93.5	0617SS-2	
0622-11	Landfill	51	70.0	101.4	0617SS-2	
0622-12	Landfill	57	58.4	94.2	0617SS-2	62.0 pcf used as reference; see note.

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.
Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor: Mr. Steven Seat

On-Site: 10:00 AM
Off-Site: 2:00 PM

Mileage: 238 miles
Travel Time: 4 hours

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Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Landfill & Lagoon #1

Project #: GTX-5150
Date: 6/22/2004
Weather: Cloudy, 60's
Page: 2 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698/1557)

Sample ID	0617SS-2	4X Landfill	5X Landfill	0611GF	
Corrected Maximum Dry Density, pcf	69.0	83.0	85.0	138.0	
Corrected Optimum Moisture Content, %	44.0	31.5	29.5	7.5	

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0622-13	Landfill	66	50.6	90.4	0617SS-2	56.0 pcf used as reference; see note.
0622-14	Landfill	21	90.1	106.0	5X Landfill	
0622-15	Landfill	35	69.5	100.7	0617SS-2	
0622-16	Lift 5 of Lagoon #1	4	129.1	93.6	0611GF	
0622-13	Lift 5 of Lagoon #1	7	136.0	98.6	0611GF	
0622-13	Lift 5 of Lagoon #1	6	134.9	97.8	0611GF	
0622-13	Lift 2 of Lagoon #1	5	130.2	94.3	0611GF	
0622-13	Lift 2 of Lagoon #1	3	127.8	92.6	0611GF	
0622-13	Lift 2 of Lagoon #1	4	129.9	94.1	0611GF	
0622-13	Lift 3 of Lagoon #1	5	130.4	94.5	0611GF	
0622-13	Lift 3 of Lagoon #1	4	136.8	99.1	0611GF	
0622-13	Lift 3 of Lagoon #1	3	127.2	92.2	0611GF	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.
Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor: Mr. Steven Seat

On-Site: 10:00 AM
Off-Site: 2:00 PM

Mileage: 238 miles
Travel Time: 4 hours

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Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Lagoon #1

Project #: GTX-5150
Date: 6/22/2004
Weather: Cloudy, 60's
Page: 3 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698/1557)

Sample ID	0617SS-2	4X Landfill	5X Landfill	0611GF	
Corrected Maximum Dry Density, pcf	69.0	83.0	85.0	138.0	
Corrected Optimum Moisture Content, %	44.0	31.5	29.5	7.5	

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
62225	Lift 4 of Lagoon #1	4	122.2	88.6	0611GF	
62226	Lift 4 of Lagoon #1	4	124.6	90.3	0611GF	
62227	Lift 4 of Lagoon #1	4	124.6	90.3	0611GF	
62228	Lift 1 of Lagoon #1	4	128.8	93.3	0611GF	
62229	Lift 1 of Lagoon #1	4	133.3	96.6	0611GF	
62230	Lift 1 of Lagoon #1	4	132.0	95.7	0611GF	
62231	Lift 6 of Lagoon #1	4	143.2	103.8	0611GF	
62232	Lift 6 of Lagoon #1	4	142.4	103.2	0611GF	
62233	Lift 7 of Lagoon #1	3	147.6	107.0	0611GF	
62234	Lift 7 of Lagoon #1	4	136.0	98.6	0611GF	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	--

Notes: 6 inch depth tested unless noted otherwise.
Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor: Mr. Steven Seat

On-Site: 10:00 AM
Off-Site: 2:00 PM

Mileage: 238 miles
Travel Time: 4 hours

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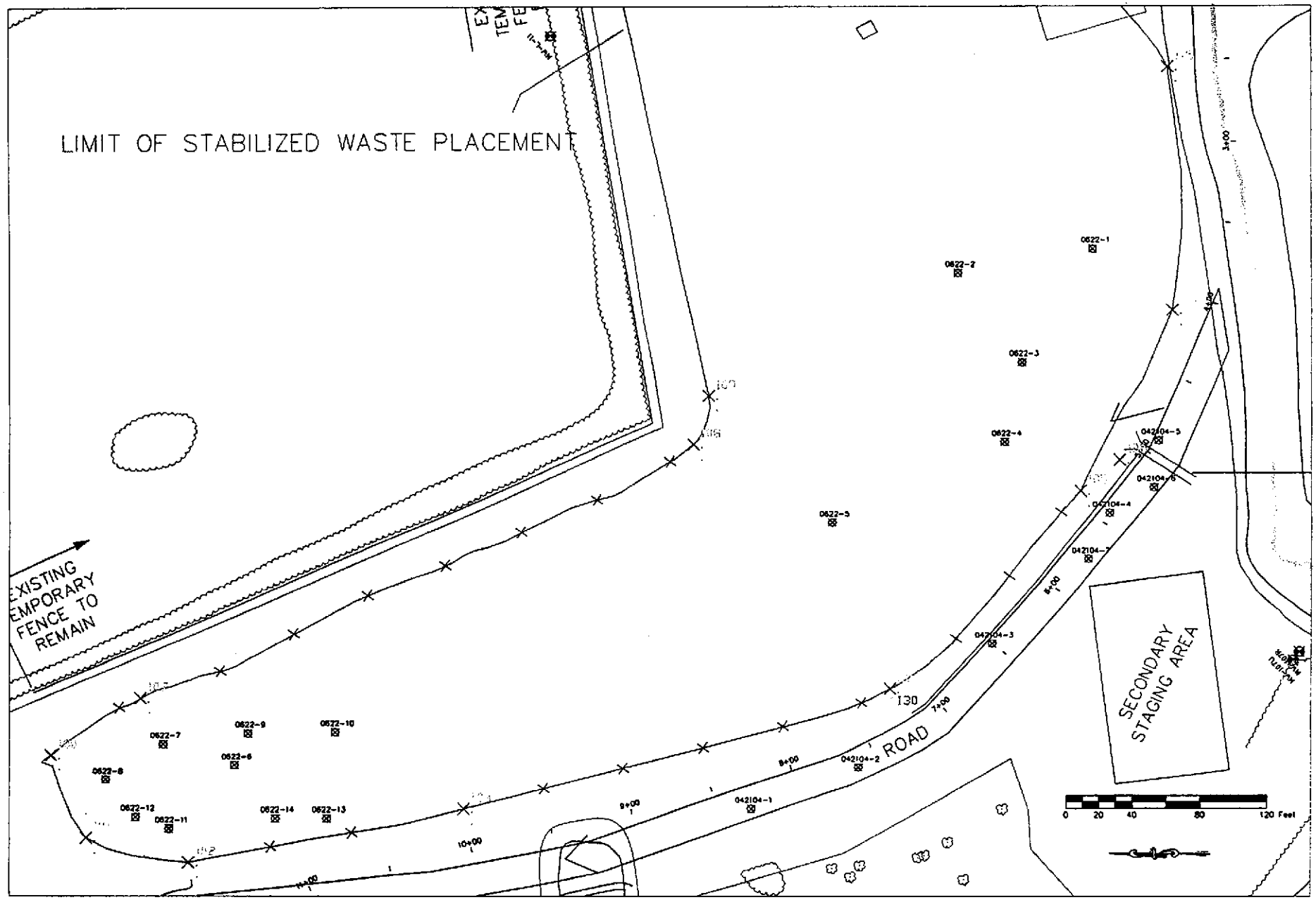
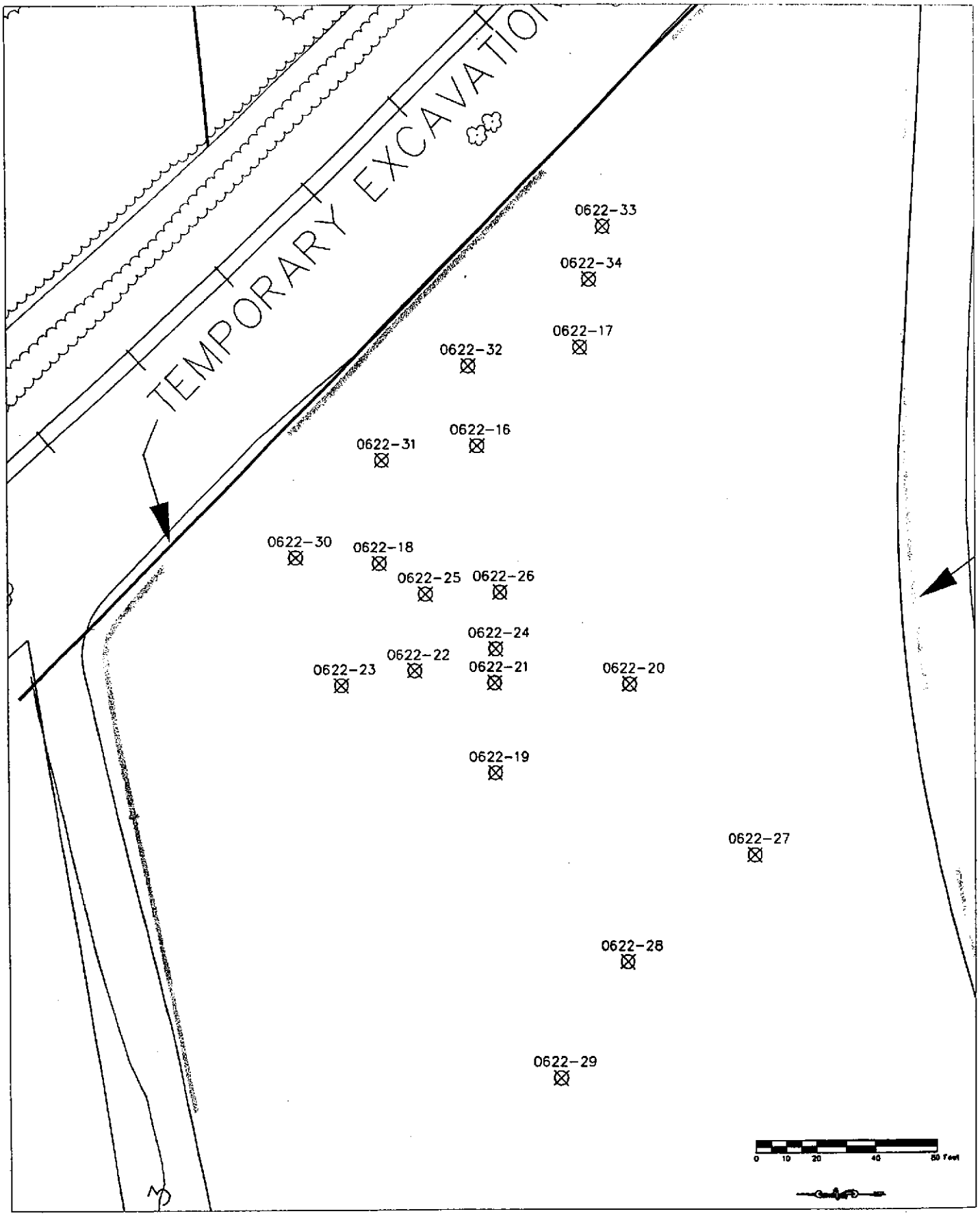


FIELD DENSITY TESTING - 06/22/04

LANDFILL - STABILIZED SLUDGE



FIELD DENSITY TESTING - 06/22/04

LAGOON#1 BACKFILL (GENERAL FILL)

Transmittal of Documents for Acceptance by EPA*

Date: **07/15/04**

Transmittal No. **48**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Landfill Sludge Placement, Lagoon#5 Shakedown	2	
	and Lagoon Backfill Density Testing		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 48

*For use by the contractor when submitting a deliverable to the RPM/WAM.

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	6/24/2004
Project Location:	North Pownal, VT	**Weather:**	Cloudy, 75F
Testing Location:	Landfill	**Page:**	1 of 5

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0617SS-2	0410SS-B			
Corrected Maximum Dry Density, pcf	69.0	79.5			
Corrected Optimum Moisture Content, %	44.0	33.0			

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0624-01	512.0 Elevation	42	70.0	101.4	0617SS-2	
0624-02	513.0 Elevation	36	79.3	99.7	0410SS-B	
0624-03	512.0 Elevation	45	66.9	97.0	0617SS-2	
0624-04	511.5 Elevation	47	67.0	97.1	0617SS-2	
0624-05	512.0 Elevation	65	53.7	94.2	0617SS-2	57 pcf used as reference; see note*
0624-06	510.0 Elevation	57	57.9	93.4	0617SS-2	62 pcf used as reference; see note*
0624-07	510.0 Elevation	61	55.9	94.7	0617SS-2	59 pcf used as reference; see note*
0624-08	511.0 Elevation	52	65.9	95.5	0617SS-2	
0624-09	512.0 Elevation	53	62.9	91.2	0617SS-2	
0624-10	511.0 Elevation	52	66.2	95.9	0617SS-2	
0624-11	512.0 Elevation	41	71.1	103.0	0617SS-2	
0624-12	511.0 Elevation	52	64.2	93.0	0617SS-2	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.
*Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor:	Mr. Steven Seat	On-Site:	6:00 AM	Mileage:	238 miles
		Off-Site:	10:30 AM	Travel Time:	6 hours

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Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	6/24/2004
Project Location:	North Pownal, VT	**Weather:**	Cloudy, 75F
Testing Location:	Landfill	**Page:**	2 of 5

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0617SS-2	0410SS-B			
Corrected Maximum Dry Density, pcf	69.0	79.5			
Corrected Optimum Moisture Content, %	44.0	33.0			

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0624-13	510.0 Elevation	49	71.3	103.3	0617SS-2	
0624-14	509.0 Elevation	49	67.7	98.1	0617SS-2	
0624-15	509.0 Elevation	34	76.8	96.6	0410SS-B	
0624-16	509.0 Elevation	59	59.1	96.9	0617SS-2	61 pcf used as reference; see note*
0624-17	509.0 Elevation	44	72.0	90.6	0410SS-B	
0624-18	509.5 Elevation	61	53.7	91.0	0617SS-2	59 pcf used as reference; see note*

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.
*Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor:	Mr. Steven Seat	On-Site:	6:00 AM	Mileage: 238 miles
		Off-Site:	10:30 AM	Travel Time: 6 hours

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Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Lagoon 5

Project #: GTX-5150
Date: 6/24/2004
Weather: Cloudy, 75F
Page: 3 of 5

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	L#5 SS-10%	L#5 SS-12%	L#5 SS-14%	L#5 SS-16%	
Corrected Maximum Dry Density, pcf	104.0	108.0	105.0	105.5	
Corrected Optimum Moisture Content, %	20.0	18.0	20.0	20.0	

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0624-19-16%	Test Pad 16%	18	95.9	90.9	L#5 SS-16%	
0624-20-16%	Test Pad 16%	14	99.5	94.3	L#5 SS-16%	
0624-21-16%	Test Pad 16%	9	96.4	91.4	L#5 SS-16%	
0624-22-14%	Test Pad 14%	17	93.3	88.9	L#5 SS-14%	
0624-23-14%	Test Pad 14%	15	102.6	97.7	L#5 SS-14%	
0624-24-14%	Test Pad 14%	18	94.5	90.0	L#5 SS-14%	
0624-25-12%	Test Pad 12%	18	97.8	90.6	L#5 SS-12%	
0624-26-12%	Test Pad 12%	18	98.4	91.1	L#5 SS-12%	
0624-27-12%	Test Pad 12%	22	94.1	92.3	L#5 SS-12%	102 pcf used as reference; see note*
0624-28-10%	Test Pad 10%	24	92.9	93.8	L#5 SS-10%	99 pcf used as reference; see note*
0624-29-10%	Test Pad 10%	22	93.9	90.3	L#5 SS-10%	
0624-30-10%	Test Pad 10%	18	102.1	98.2	L#5 SS-10%	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.
*Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor: Mr. Steven Seat

On-Site: 6:00 AM
Off-Site: 10:30 AM

Mileage: 238 miles
Travel Time: 6 hours

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Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Lagoon 1

Project #: GTX-5150
Date: 6/24/2004
Weather: Cloudy, 75F
Page: 4 of 5

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0611GF	LF#1			
Corrected Maximum Dry Density, pcf	138.0	109.0			
Corrected Optimum Moisture Content, %	7.5	15.0			

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0624-31	Lift 1.0	5	123.3	89.3	0611GF	
0624-32	Lift 1.0	5	127.1	92.1	0611GF	
0624-33	Lift 1.0	4	134.7	97.6	0611GF	
0624-34	Lift 1.0	5	122.7	88.9	0611GF	
0624-35	Lift 2.0	4	122.8	89.0	0611GF	
0624-36	Lift 2.0	5	136.9	99.2	0611GF	
0624-37	Lift 4.0	18	104.4	95.8	LF#1	
0624-38	Lift 4.0	16	105.8	97.1	LF#1	Re-Test of 0622-25
0624-39	Lift 3.0	18	105.6	96.9	LF#1	
0624-40	Lift 3.0	18	105.0	96.3	LF#1	
'0624-41	Lift 5.0	6	131.2	95.1	0611GF	
'0624-42	Lift 5.0	16	104.7	96.1	LF#1	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor: Mr. Steven Seat

On-Site: 6:00 AM
Off-Site: 10:30 AM

Mileage: 238 miles
Travel Time: 6 hours

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Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Lagoon 1

Project #: GTX-5150
Date: 6/24/2004
Weather: Cloudy, 75F
Page: 5 of 5

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0611GF	LF#1			
Corrected Maximum Dry Density, pcf	138.0	109.0			
Corrected Optimum Moisture Content, %	7.5	15.0			

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0624-43	Lift 8.0	3	140.1	101.5	0611GF	
0624-44	Lift 8.0	5	140.1	101.5	0611GF	
0624-45	Lift 9.0	4	136.7	99.1	0611GF	
0624-46	Lift 9.0	4	133.7	96.9	0611GF	
0624-47	Lift 10.0	4	139.0	100.7	0611GF	
0624-48	Lift 10.0	3	133.7	96.9	0611GF	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor: Mr. Steven Seat

On-Site: 6:00 AM
Off-Site: 10:30 AM

Mileage: 238 miles
Travel Time: 6 hours

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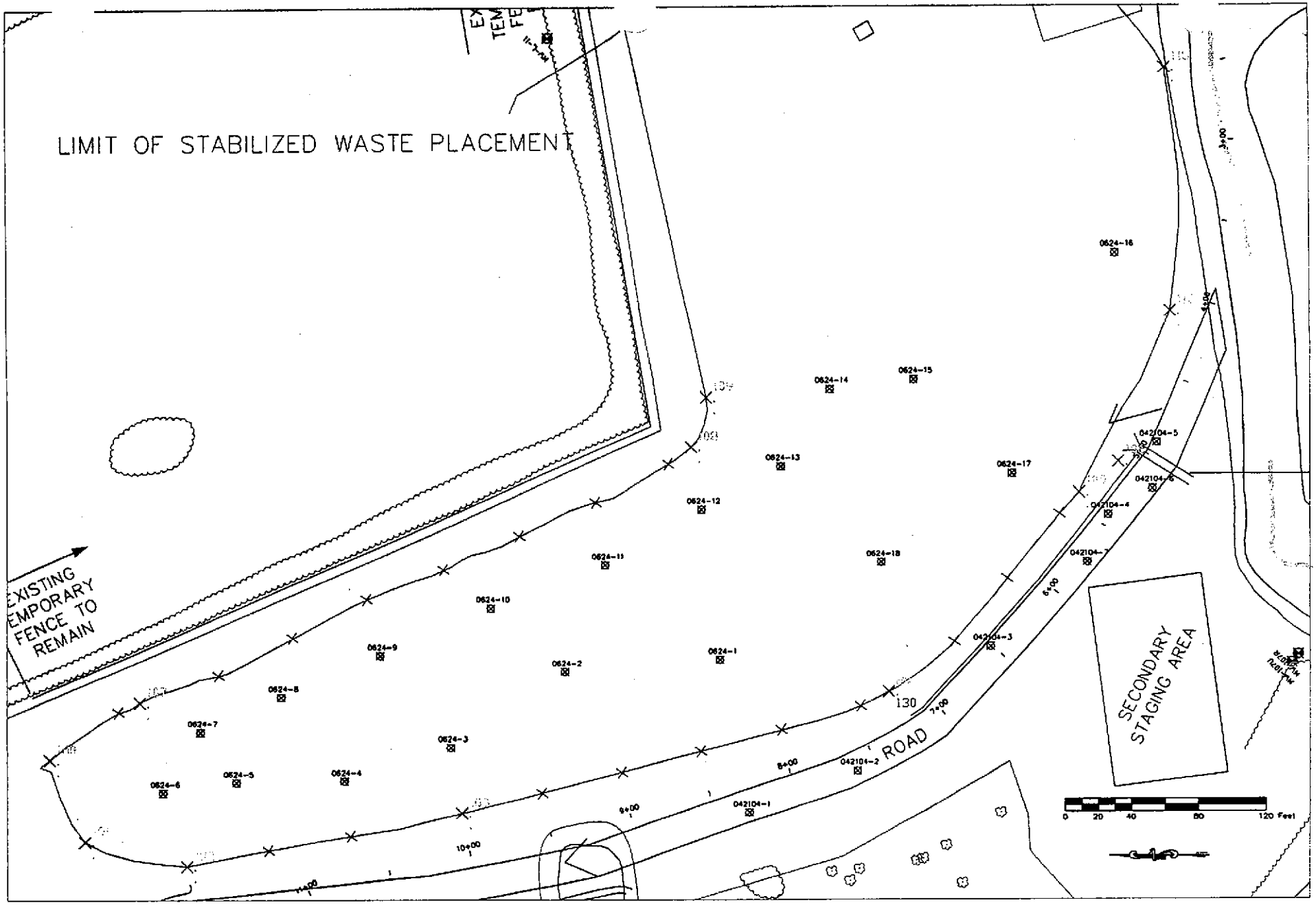
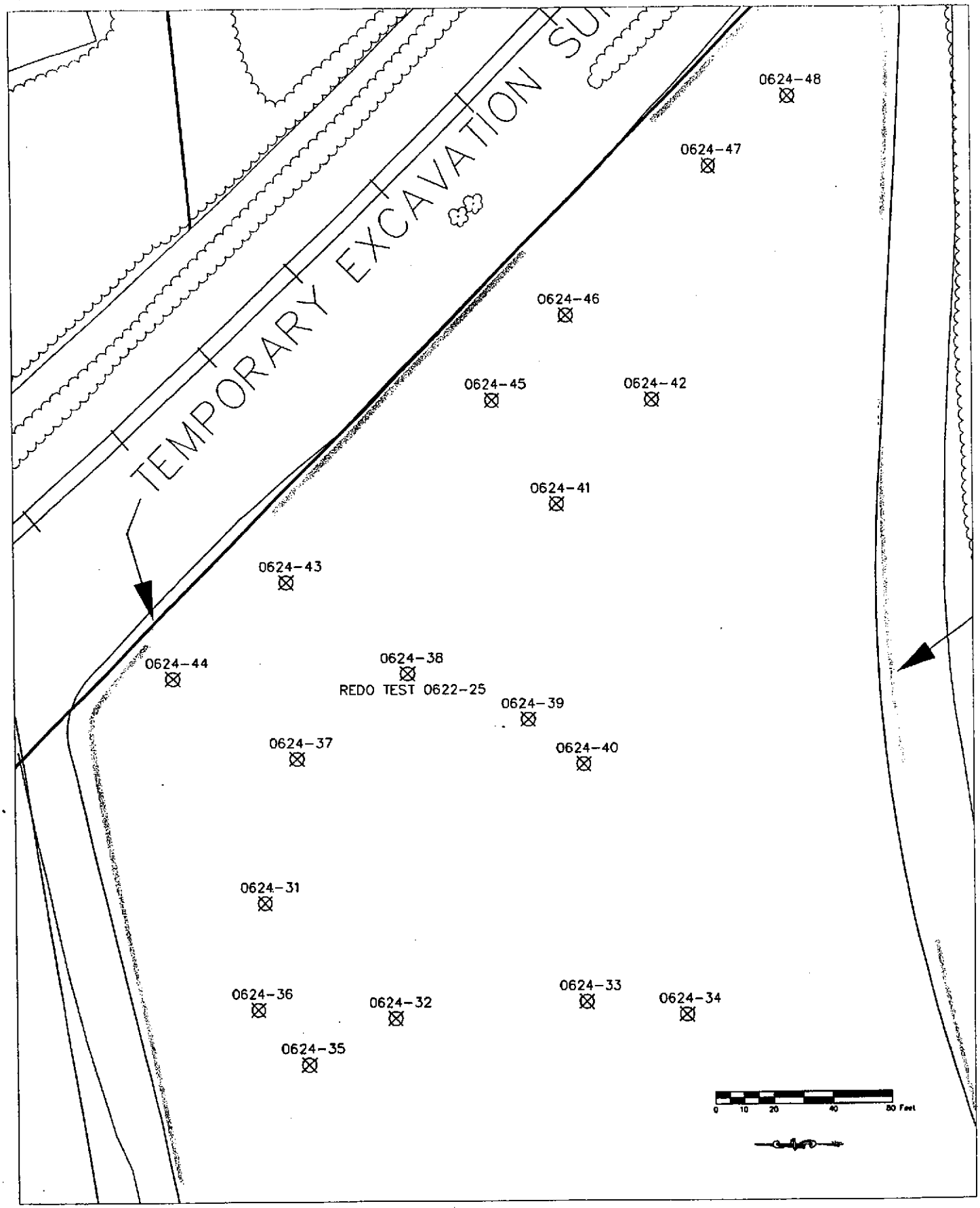


FIELD DENSITY TESTING - 06/24/04

LANDFILL - STABILIZED SLUDGE



FIELD DENSITY TESTING - 06/24/04

LAGOON#1 BACKFILL (GENERAL FILL)

Transmittal of Documents for Acceptance by EPA*

Date: **07/15/04**

Transmittal No. **49**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Landfill Sludge Placement and Lagoon Backfill Density Testing	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 49

*For use by the contractor when submitting a deliverable to the RPM/WAM.

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	6/28/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 76F
Testing Location:	Landfill	**Page:**	1 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0617SS-2	5X-Landfill			
Corrected Maximum Dry Density, pcf	69.0	85.0			
Corrected Optimum Moisture Content, %	44.0	29.5			

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0628-001	512.5 Elevation	41	70.5	102.2	0617SS-2	
0628-002	513.0 Elevation	26	93.6	110.1	5X-Landfill	See Note*
0628-003	513.0 Elevation	26	91.6	107.8	5X-Landfill	See Note*
0628-004	513.0 Elevation	30	79.4	93.4	5X-Landfill	
0628-005	513.0 Elevation	29	63.6	92.2	0617SS-2	
0628-006	513.0 Elevation	50	65.1	94.3	0617SS-2	
0628-007	512.0 Elevation	36	77.3	90.9	5X-Landfill	
0628-008	512.0 Elevation	38	75.9	110.0	0617SS-2	See Note*
0628-009	511.5 Elevation	30	86.2	101.4	5X-Landfill	
0628-013	510.0 Elevation	28	83.2	97.9	5X-Landfill	
0628-014	510.0 Elevation	30	74.2	107.5	0617SS-2	See Note*
0628-015	510.0 Elevation	44	72.1	104.5	0617SS-2	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.
*Elevated dry density due to high levels of debris and berm sludge material.

Field Monitor:	Mr. Steven Seat	On-Site:	8:00 AM	Mileage:	238 miles
		Off-Site:	11:30 AM	Travel Time:	6 hours

GeoTesting Express, Inc. • Boxborough, MA • (978) 635-0424 • Fax (978) 635-0266

Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Lagoon 1

Project #: GTX-5150
Date: 6/28/2004
Weather: Sunny, 76F
Page: 2 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0611GF	LF#1			
Corrected Maximum Dry Density, pcf	138.0	109.0			
Corrected Optimum Moisture Content, %	7.5	15.0			

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0628-010	Lift 2.0	4	137.2	99.4	0611GF	Retest of 062431
0628-011	Lift 1.0	5	137.7	99.8	0611GF	Retest of 062435
0628-012	Lift 1.0	6	129.0	93.5	0611GF	Retest of 062434
0628-016	Lift 1.0	5	128.7	93.3	0611GF	
0628-017	Lift 2.0	20	102.1	93.7	LF#1	
0628-018	Lift 3.0	22	102.6	94.1	LF#1	
0628-019	Lift 5.0	19	106.2	97.4	LF#1	
0628-020	Lift 4.0	21	102.7	94.2	LF#1	
0628-021	Lift 6.0	5	135.7	98.3	0611GF	
0628-022	Lift 7.0	5	132.9	96.3	0611GF	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.
*Elevated dry density due to high levels of debris and berm sludge material.

Field Monitor: Mr. Steven Seat

On-Site: 8:00 AM
Off-Site: 11:30 AM

Mileage: 238 miles
Travel Time: 6 hours

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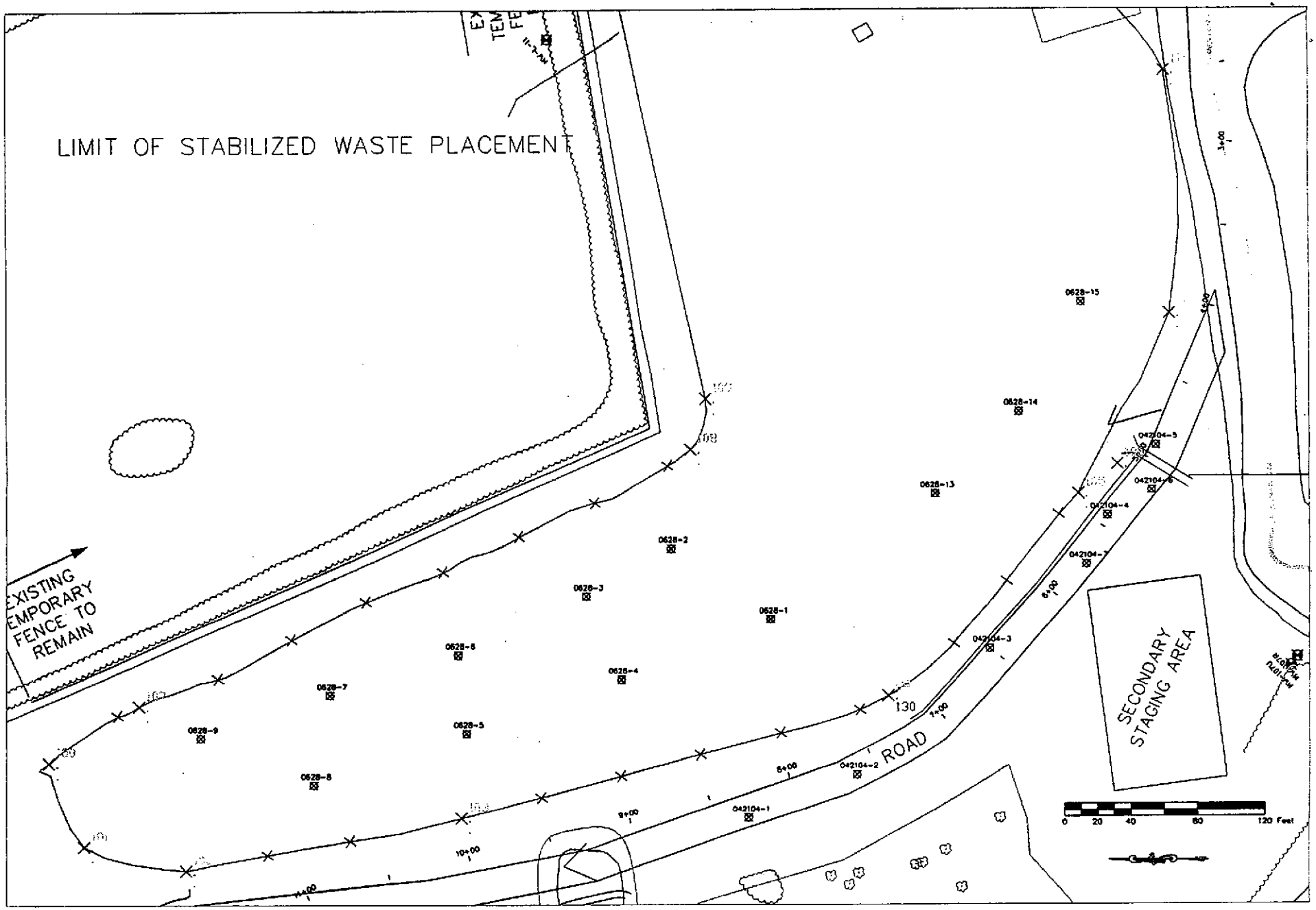
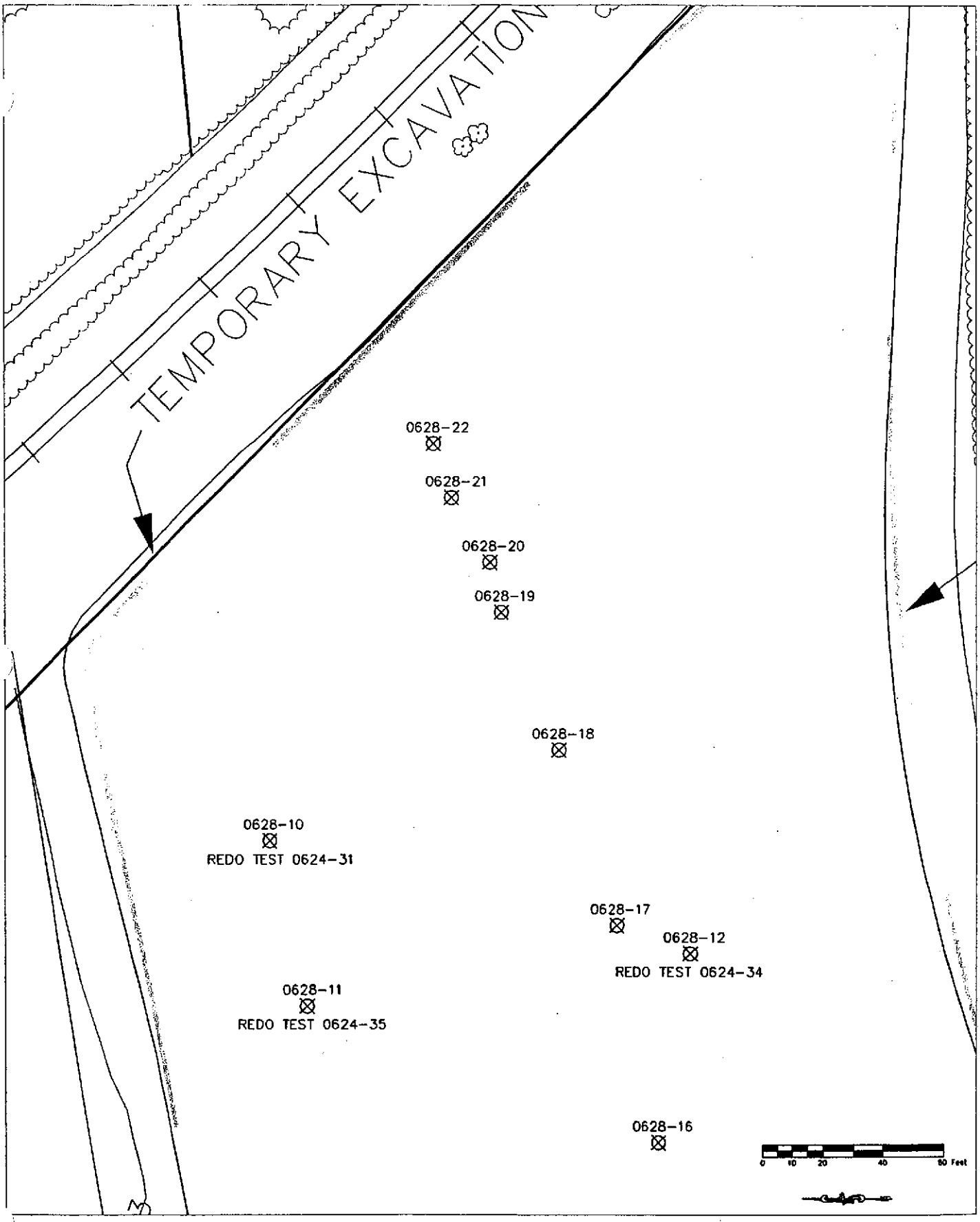


FIELD DENSITY TESTING - 06/28/04

LANDFILL - STABILIZED SLUDGE



FIELD DENSITY TESTING - 06/28/04

LAGOON#1 BACKFILL (GENERAL FILL)

Transmittal of Documents for Acceptance by EPA*

Date: **07/15/04**

Transmittal No. **50**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
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To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Landfill Sludge Placement and Lagoon Backfill Density Testing	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 50

*For use by the contractor when submitting a deliverable to the RPM/WAM.

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	6/30/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 72F
Testing Location:	Landfill	**Page:**	1 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	L#5SS-12%				
Corrected Maximum Dry Density, pcf	108.0				
Corrected Optimum Moisture Content, %	18.0				

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0630-001	512.0 Elevation	23	100.1	92.7	L#5SS-12%	
0630-002	512.0 Elevation	16	115.8	107.2	L#5SS-12%	
0630-003	512.0 Elevation	23	95.5	94.1	L#5SS-12%	101.5 pcf used as reference; see note*
0630-004	512.0 Elevation	24	97.6	90.4	L#5SS-12%	
0630-005	513.0 Elevation	19	105.8	98.0	L#5SS-12%	
0630-006	513.0 Elevation	17	104.5	96.8	L#5SS-12%	
0630-007	513.0 Elevation	25	97.9	90.6	L#5SS-12%	
0630-008	514.0 Elevation	20	105.7	97.9	L#5SS-12%	
0630-009	514.0 Elevation	20	105.5	97.7	L#5SS-12%	
0630-010	514.0 Elevation	25	96.0	99.0	L#5SS-12%	97 pcf used as reference; see note*
0630-011	514.0 Elevation	21	101.7	94.2	L#5SS-12%	
0630-012	514.0 Elevation	25	99.3	91.9	L#5SS-12%	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.
*Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor:	Mr. Steven Seat	On-Site:	5:45 AM	Mileage:	238 miles
		Off-Site:	9:30 AM	Travel Time:	6 hours

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Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	6/30/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 72F
Testing Location:	Landfill	**Page:**	2 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	L#5SS-12%				
Corrected Maximum Dry Density, pcf	108.0				
Corrected Optimum Moisture Content, %	18.0				

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0630-013	514.0 Elevation	24	103.5	95.8	L#5SS-12%	
0630-014	514.0 Elevation	22	103.2	95.6	L#5SS-12%	
0630-015	514.0 Elevation	27	97.0	102.1	L#5SS-12%	95 pcf used as reference; see note*
0630-016	514.0 Elevation	22	103.7	96.0	L#5SS-12%	
0630-017	514.0 Elevation	30	85.2	93.6	L#5SS-12%	91 pcf used as reference; see note*
0630-018	514.0 Elevation	29	91.9	99.4	L#5SS-12%	92.5 pcf used as reference; see note*

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	--

Notes: 6 inch depth tested unless noted otherwise.
*Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor:	Mr. Steven Seat	On-Site:	5:45 AM	Mileage:	238 miles
		Off-Site:	9:30 AM	Travel Time:	6 hours

GeoTesting Express, Inc. • Boxborough, MA • (978) 635-0424 • Fax (978) 635-0266

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	6/30/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 72F
Testing Location:	Lagoon	**Page:**	3 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	General Fill				
Corrected Maximum Dry Density, pcf	122.0				
Corrected Optimum Moisture Content, %	11.5				

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0630-019	Lift 1	18	112.2	92.0	General Fill	
0630-020	Lift 2	17	111.1	91.1	General Fill	
0630-021	Lift 3	18	109.9	90.1	General Fill	
0630-022	Lift 4	17	110.4	90.5	General Fill	
0630-023	Lift 5	15	111.7	91.6	General Fill	
0630-024	Lift 6	17	110.9	90.9	General Fill	
0630-025	Lift 7	17	112.5	92.2	General Fill	
0630-026	Lift 8	19	109.8	90.0	General Fill	
0630-027	Lift 9	17	113.3	92.9	General Fill	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor: Mr. Steven Seat

On-Site:	5:45 AM	Mileage:	238 miles
Off-Site:	9:30 AM	Travel Time:	6 hours

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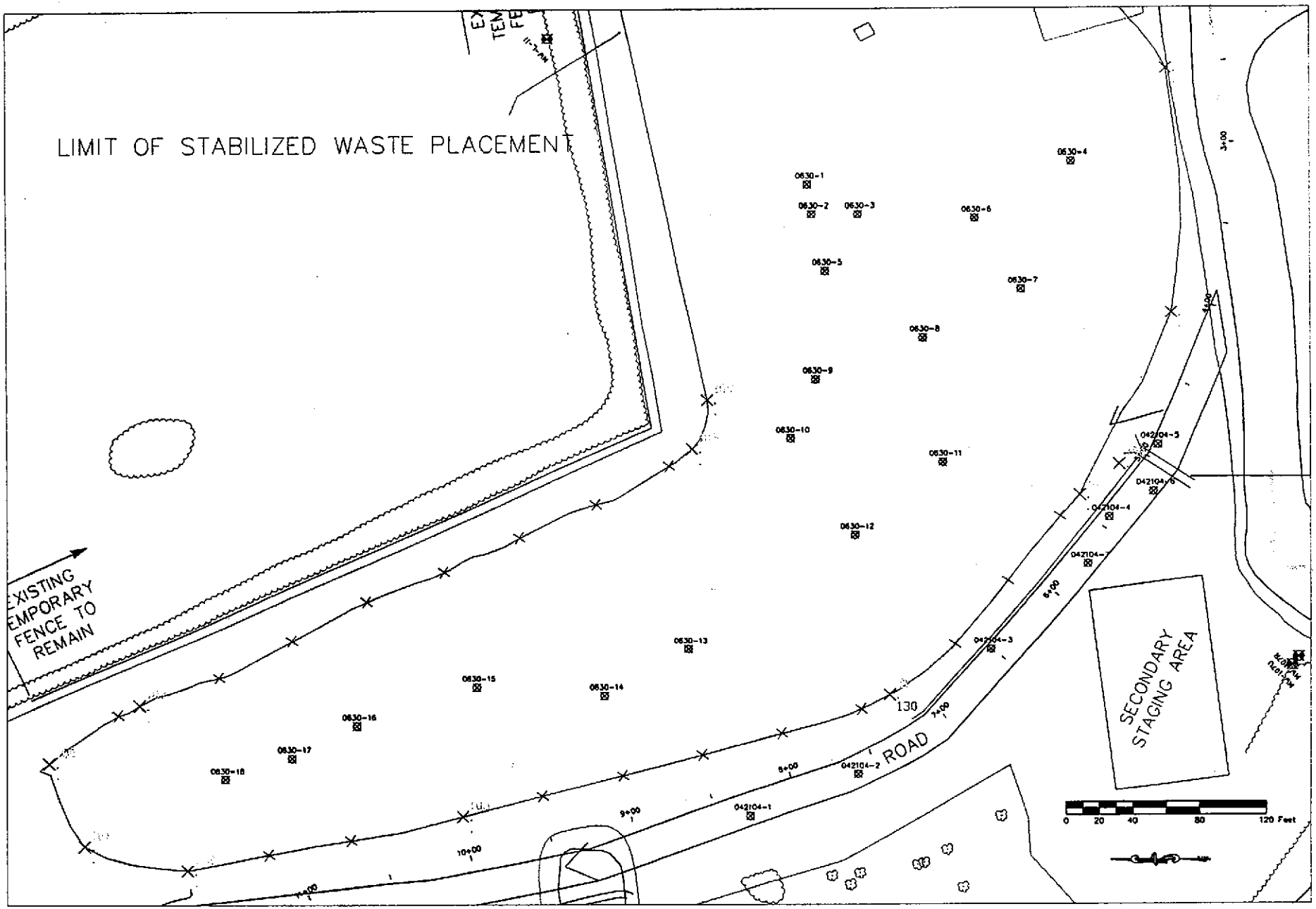
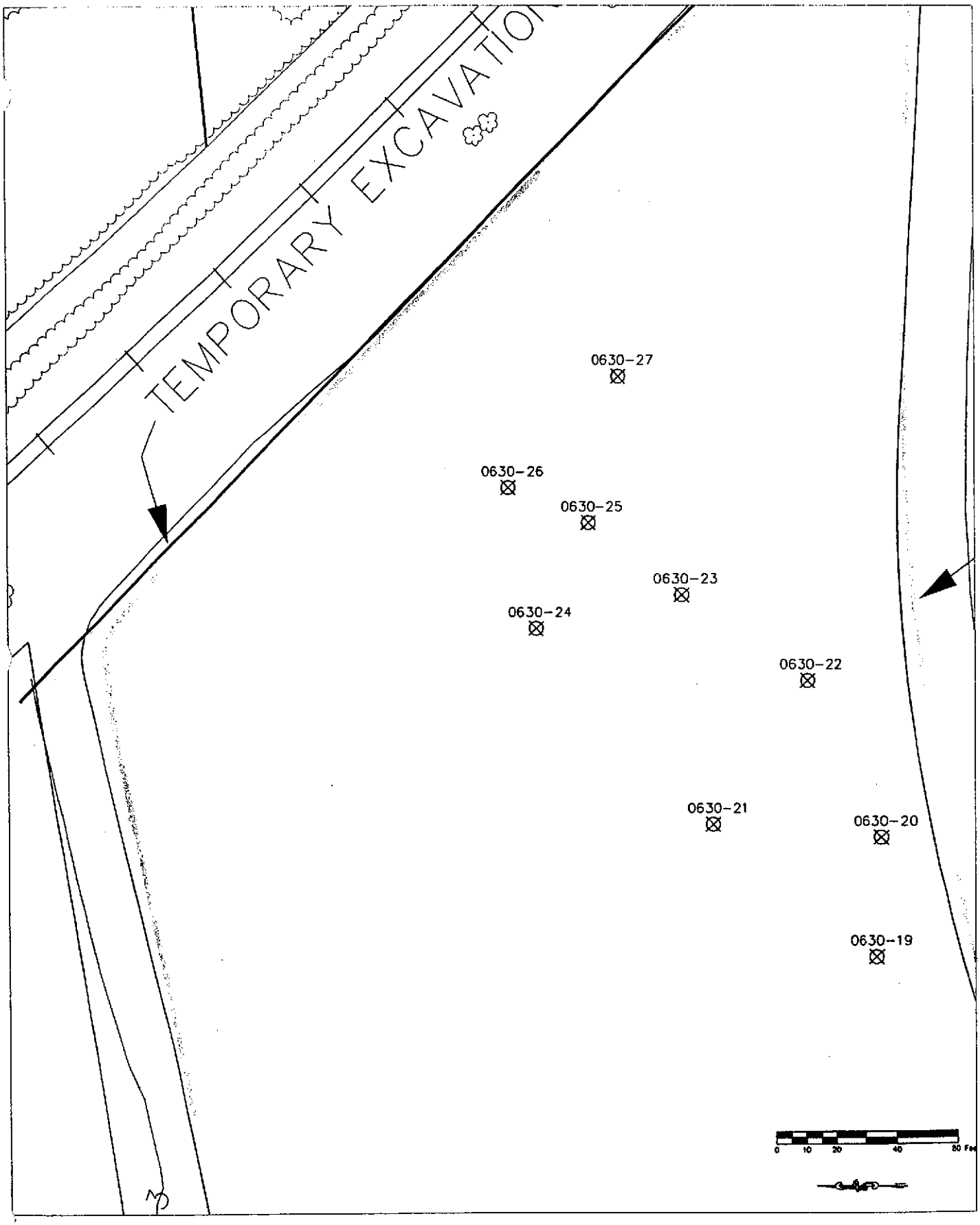


FIELD DENSITY TESTING - 06/30/04

LANDFILL - STABILIZED SLUDGE



FIELD DENSITY TESTING - 06/30/04

LAGOON#1 BACKFILL (GENERAL FILL)

Transmittal of Documents for Acceptance by EPA*

Date: **07/15/04**

Transmittal No. **51**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Landfill Sludge Placement Testing	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 51

*For use by the contractor when submitting a deliverable to the RPM/WAM.

Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Landfill

Project #: GTX-5150
Date: 7/2/2004
Weather: Partly Cloudy, 70F
Page: 1 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	L#5SS-12%	0410SS-B			
Corrected Maximum Dry Density, pcf	108.0	79.5			
Corrected Optimum Moisture Content, %	18.0	33.0			

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0702-1	508.0 Elevation	31	85.9	95.4	L#5SS-12%	90 pcf used as reference; see note*
0702-2	509.0Elevation	23	101.1	93.6	L#5SS-12%	
0702-3	510.0 Elevation	15	115.5	106.9	L#5SS-12%	
0702-4	513.0 Elevation	21	102.4	94.8	L#5SS-12%	
0702-5	514.0 Elevation	24	97.8	90.6	L#5SS-12%	
0702-6	514.0 Elevation	31	84.1	93.4	L#5SS-12%	90 pcf used as reference; see note*
0702-7	512.5 Elevation	37	83.3	104.8	0410SS-B	
0702-8	512.0 Elevation	32	85.9	97.1	L#5SS-12%	88.5 pcf used as reference; see note*
0702-9	514.0 Elevation	42	75.9	95.5	0410SS-B	
0702-10	514.0 Elevation	26	93.7	96.6	L#5SS-12%	97 pcf used as reference; see note*
0702-11	514.0 Elevation	26	99.3	91.9	L#5SS-12%	
0702-12	513.0 Elevation	47	73.2	92.1	0410SS-B	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.
*Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor: Mr. Steven Seat

On-Site: 6:00 AM
Off-Site: 10:00 AM

Mileage: 238 miles
Travel Time: 6 hours

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Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	7/2/2004
Project Location:	North Pownal, VT	**Weather:**	Partly Cloudy, 70F
Testing Location:	Landfill	**Page:**	2 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	L#5SS-12%	0410SS-B			
Corrected Maximum Dry Density, pcf	108.0	79.5			
Corrected Optimum Moisture Content, %	18.0	33.0			

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0702-13	513.0 Elevation	32	89.2	99.1	L#5SS-12%	90 pcf used as reference; see note*
0702-14	511.0Elevation	54	64.6	100.9	0410SS-B	64 pcf used as reference; see note*
0702-15	510.0 Elevation	32	88.0	100.6	L#5SS-12%	87.5 pcf used as reference; see note*

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.
*Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor:	Mr. Steven Seat	On-Site:	6:00 AM	Mileage:	238 miles
		Off-Site:	10:00 AM	Travel Time:	6 hours

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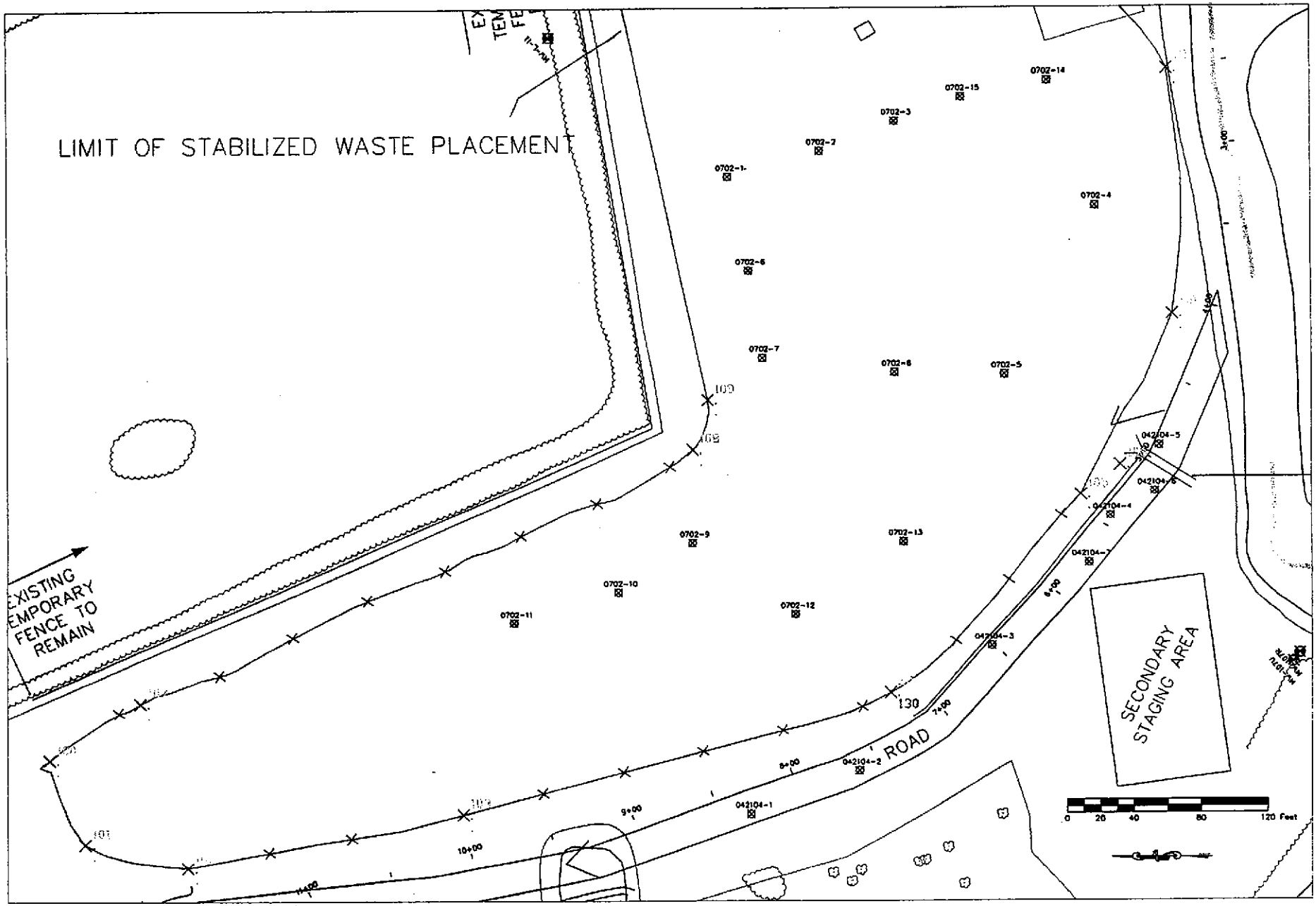

FIELD DENSITY TESTING - 07/2/04

LANDFILL - STABILIZED SLUDGE

Transmittal of Documents for Acceptance by EPA*

Date: 07/15/04

Transmittal No. 52

Specification Section: 02316

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Landfill Sludge Placement and Lagoon Backfill Density Testing	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 52

*For use by the contractor when submitting a deliverable to the RPM/WAM.

Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Landfill

Project #: GTX-5150
Date: 7/7/2004
Weather: Sunny, 80F
Page: 1 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	L#5SS-12%	0410SS-B			
Corrected Maximum Dry Density, pcf	108.0	79.5			
Corrected Optimum Moisture Content, %	18.0	33.0			

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0707-001	509.0 Elevation	29	84.3	106.0	0410SS-B	
0707-002	510.5 Elevation	60	55.5	91.0	0410SS-B	61 pcf used as reference; see note*
0707-003	512.0 Elevation	30	86.6	95.2	L#5SS-12%	91 pcf used as reference; see note*
0707-004	513.0 Elevation	25	97.5	90.3	L#5SS-12%	
0707-005	514.0 Elevation	29	88.2	95.9	L#5SS-12%	92 pcf used as reference; see note*
0707-006	510.0 Elevation	23	102.3	94.7	L#5SS-12%	
0707-007	510.5 Elevation	36	81.8	102.9	0410SS-B	
0707-008	510.5 Elevation	28	92.8	98.7	L#5SS-12%	94 pcf used as reference; see note*
0707-009	509.5 Elevation	74	87.7	110.3	0410SS-B	
0707-010	509.0 Elevation	30	89.6	98.5	L#5SS-12%	91 pcf used as reference; see note*
0707-011	509.0 Elevation	41	74.6	93.8	0410SS-B	
0707-012	509.0 Elevation	37	79.1	99.5	0410SS-B	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.
*Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor: Mr. Steven Seat

On-Site: 7:00 AM
Off-Site: 10:30 AM

Mileage: 238 miles
Travel Time: 6 hours

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Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	7/7/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 72F
Testing Location:	Landfill	**Page:**	2 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	L#5SS-12%	0410SS-B			
Corrected Maximum Dry Density, pcf	108.0	79.5			
Corrected Optimum Moisture Content, %	18.0	33.0			

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0707-013	509.0 Elevation	49	67.1	100.1	0410SS-B	67 pcf used as reference; see note*
0707-014	509.0 Elevation	36	76.9	96.7	0410SS-B	
0707-015	514.0 Elevation	25	89.5	92.3	L#5SS-12%	97 pcf used as reference; see note*
0707-016	514.0 Elevation	38	81.5	102.5	0410SS-B	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.
*Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor: Mr. Steven Seat

On-Site:	7:00 AM	Mileage:	238 miles
Off-Site:	10:30 AM	Travel Time:	6 hours

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Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Lagoon

Project #: GTX-5150
Date: 7/7/2004
Weather: Sunny, 72F
Page: 3 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	WR#3	0611GF	0624GF		
Corrected Maximum Dry Density, pcf	118.0	138.0	126.0		
Corrected Optimum Moisture Content, %	12.5	7.5	9.5		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0707-017	Lift 1	13	115.6	98.0	WR#3	
0707-018	Lift 2	13	113.0	95.8	WR#3	
0707-019	Lift 2	14	113.8	96.4	WR#3	
0707-020	Lift 3	13	116.1	98.4	WR#3	
0707-021	Lift 3	14	111.3	94.3	WR#3	
0707-022	Lift 4	12	117.2	99.3	WR#3	
0707-023	Lift 4	12	121.5	103.0	WR#3	
0707-024	Lift 8	5	140.0	101.4	0611GF	
0707-025	Lift 8	4	132.4	95.9	0611GF	
0707-026	Lift 9	8	127.7	92.5	0611GF	
0707-027	Lift 11	4	130.5	94.6	0611GF	
0707-028	Lift 11	6	123.2	97.8	0611GF	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor: Mr. Steven Seat

On-Site: 7:00 AM
Off-Site: 10:30 AM

Mileage: 238 miles
Travel Time: 6 hours

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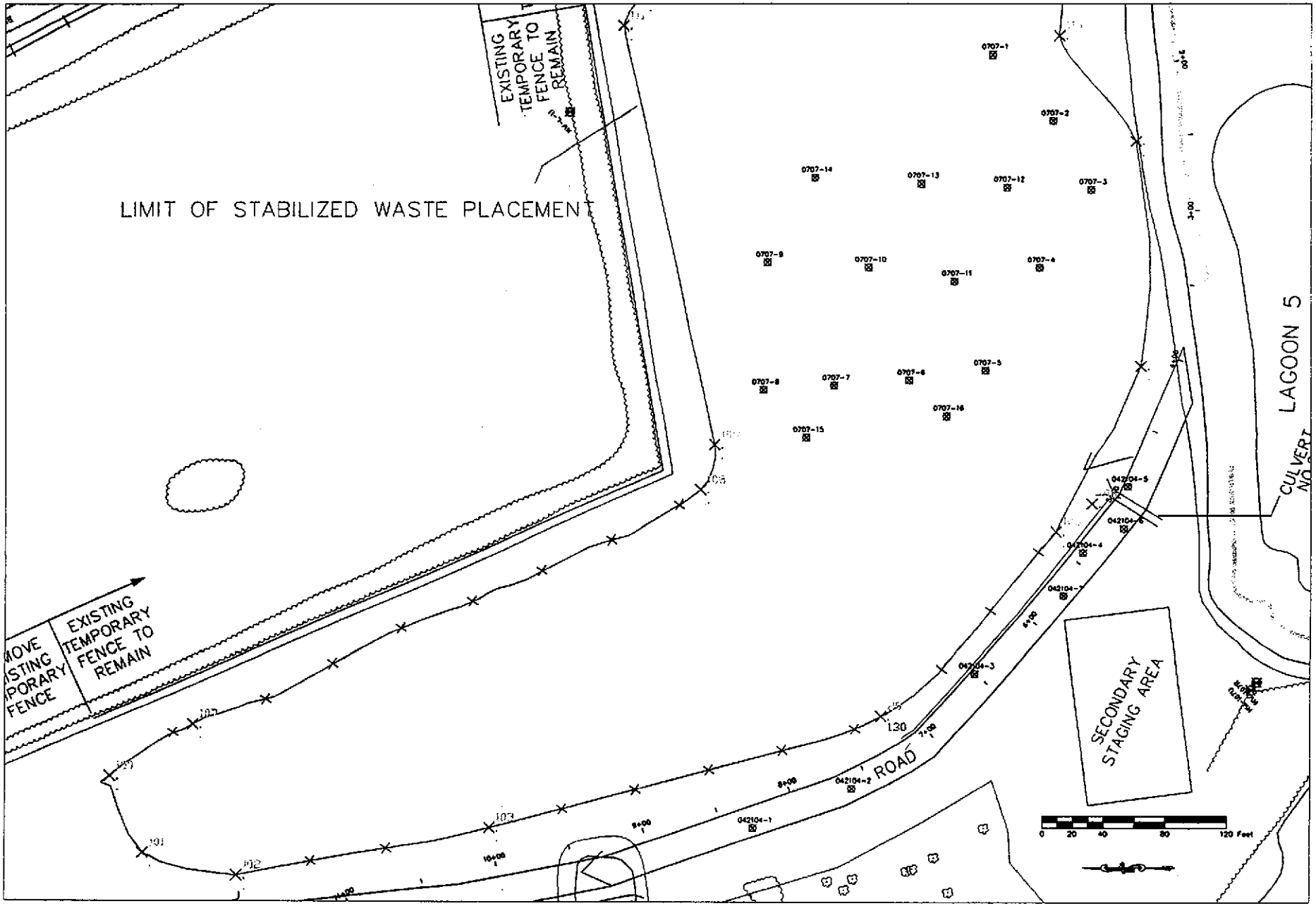
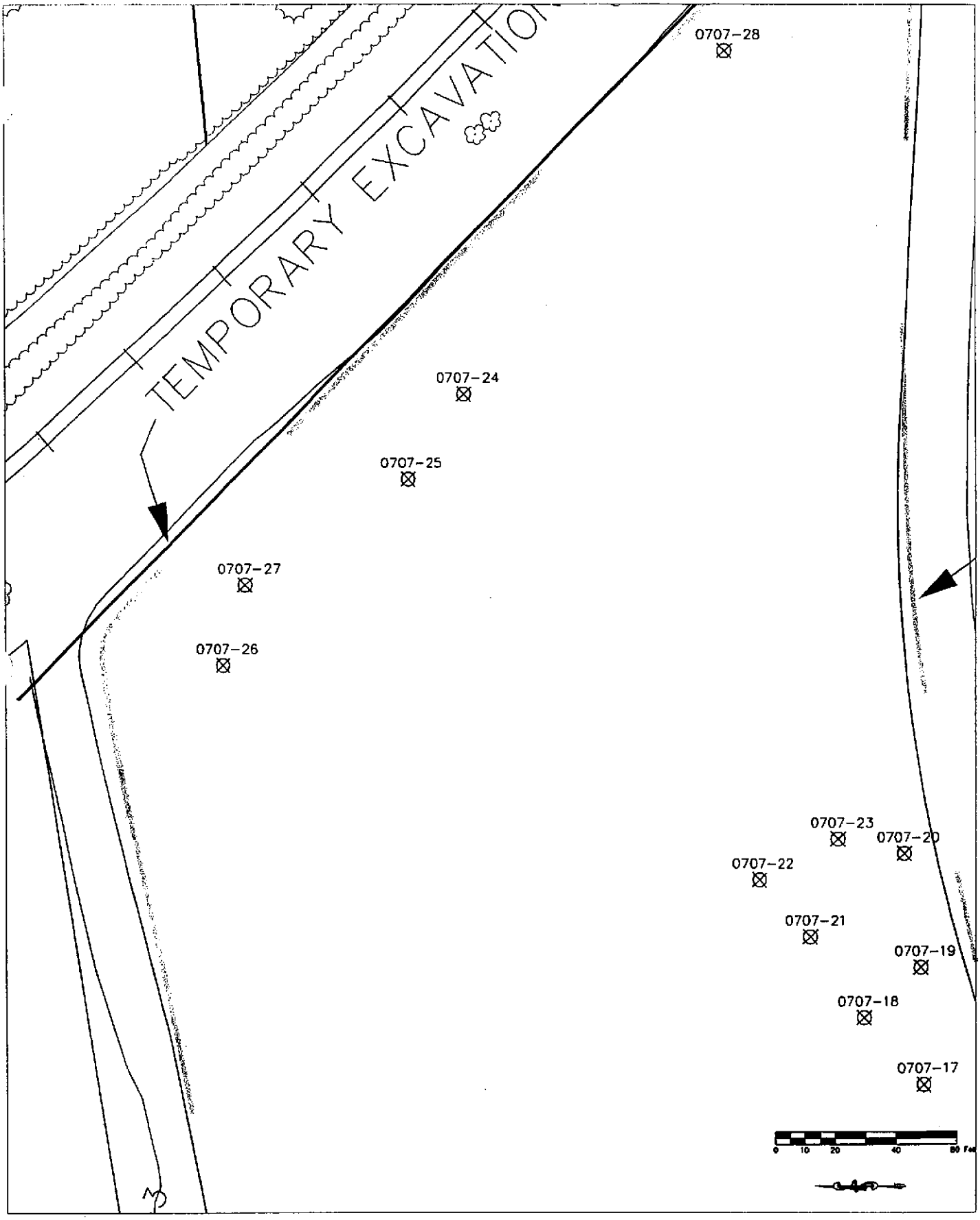


FIELD DENSITY TESTING - 07/07/04

LANDFILL - STABILIZED SLUDGE



FIELD DENSITY TESTING - 07/07/04

LAGOON#1 BACKFILL (GENERAL FILL)

Transmittal of Documents for Acceptance by EPA*

Date: 07/19/04

Transmittal No. 55

Specification Section: 02316

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Landfill Sludge Placement and Gas Vent Sand Density Testing	2	
	Test date: 07/09/04		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

*For use by the contractor when submitting a deliverable to the RPM/WAM.

MT 55

Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Landfill

Project #: GTX-5150
Date: 7/9/2004
Weather: Cloudy, 70F
Page: 1 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0623SS-2	0630SS-1			
Corrected Maximum Dry Density, pcf	91.5	106.0			
Corrected Optimum Moisture Content, %	26.5	12.0			

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0709-001	509.0 Elevation	26	91.7	100.2	0623SS-2	
0709-002	509.0 Elevation	26	93.4	102.1	0623SS-2	
0709-003	509.0 Elevation	34	85.4	93.3	0623SS-2	
0709-004	509.0 Elevation	31	87.7	95.8	0623SS-2	
0709-005	510.0 Elevation	25	94.3	103.1	0623SS-2	
0709-006	510.0 Elevation	43	70.9	93.9	0623SS-2	75.5 pcf used as reference; see note*
0709-007	510.0 Elevation	34	85.4	93.3	0623SS-2	
0709-008	510.0 Elevation	29	90.8	99.2	0623SS-2	
0709-009	510.0 Elevation	27	92.1	100.7	0623SS-2	
0709-010	511.0 Elevation	32	83.7	91.5	0623SS-2	
0709-011	511.0 Elevation	36	82.9	90.6	0623SS-2	
0709-012	512.0 Elevation	31	86.2	94.2	0623SS-2	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.
*Reference density determined from 100% Saturation curve using field moisture content.

Field Monitor: Mr. Steven Seat

On-Site: 7:00 AM
Off-Site: 10:30 AM
Mileage: 238 miles
Travel Time: 6 hours

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Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Landfill

Project #: GTX-5150
Date: 7/9/2004
Weather: Cloudy, 70F
Page: 2 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0623SS-2	0630SS-1			
Corrected Maximum Dry Density, pcf	91.5	106.0			
Corrected Optimum Moisture Content, %	26.5	12.0			

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0709-013	509.0 Elevation	21	103.4	97.5	0630SS-1	
0709-014	509.0 Elevation	25	97.6	92.1	0630SS-1	
0709-015	514.0 Elevation	20	98.0	92.5	0630SS-1	
0709-016	514.0 Elevation	29	90.7	99.1	0623SS-2	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor: Mr. Steven Seat

On-Site: 7:00 AM
Off-Site: 10:30 AM

Mileage: 238 miles
Travel Time: 6 hours

GeoTesting Express, Inc. • Boxborough, MA • (978) 635-0424 • Fax (978) 635-0266

Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Landfill

Project #: GTX-5150
Date: 7/9/2004
Weather: Cloudy, 70F
Page: 3 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	GVS060204*				
Corrected Maximum Dry Density, pcf	127.0				
Corrected Optimum Moisture Content, %	12.0				

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0709-017	—	6	117.6	92.6	GVS060204	4" Depth; 'GVS060204' = 'Gas Vent Sand 06/02/04'
0709-018	—	5	125.6	98.9	GVS060204	4" Depth; 'GVS060204' = 'Gas Vent Sand 06/02/04'
0709-019	—	5	124.7	98.2	GVS060204	4" Depth; 'GVS060204' = 'Gas Vent Sand 06/02/04'
0709-020	—	5	123.5	97.2	GVS060204	4" Depth; 'GVS060204' = 'Gas Vent Sand 06/02/04'
0709-021	—	5	118.5	93.3	GVS060204	4" Depth; 'GVS060204' = 'Gas Vent Sand 06/02/04'

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: —

Field Monitor: Mr. Steven Seat

On-Site: 7:00 AM
Off-Site: 10:30 AM

Mileage: 238 miles
Travel Time: 6 hours

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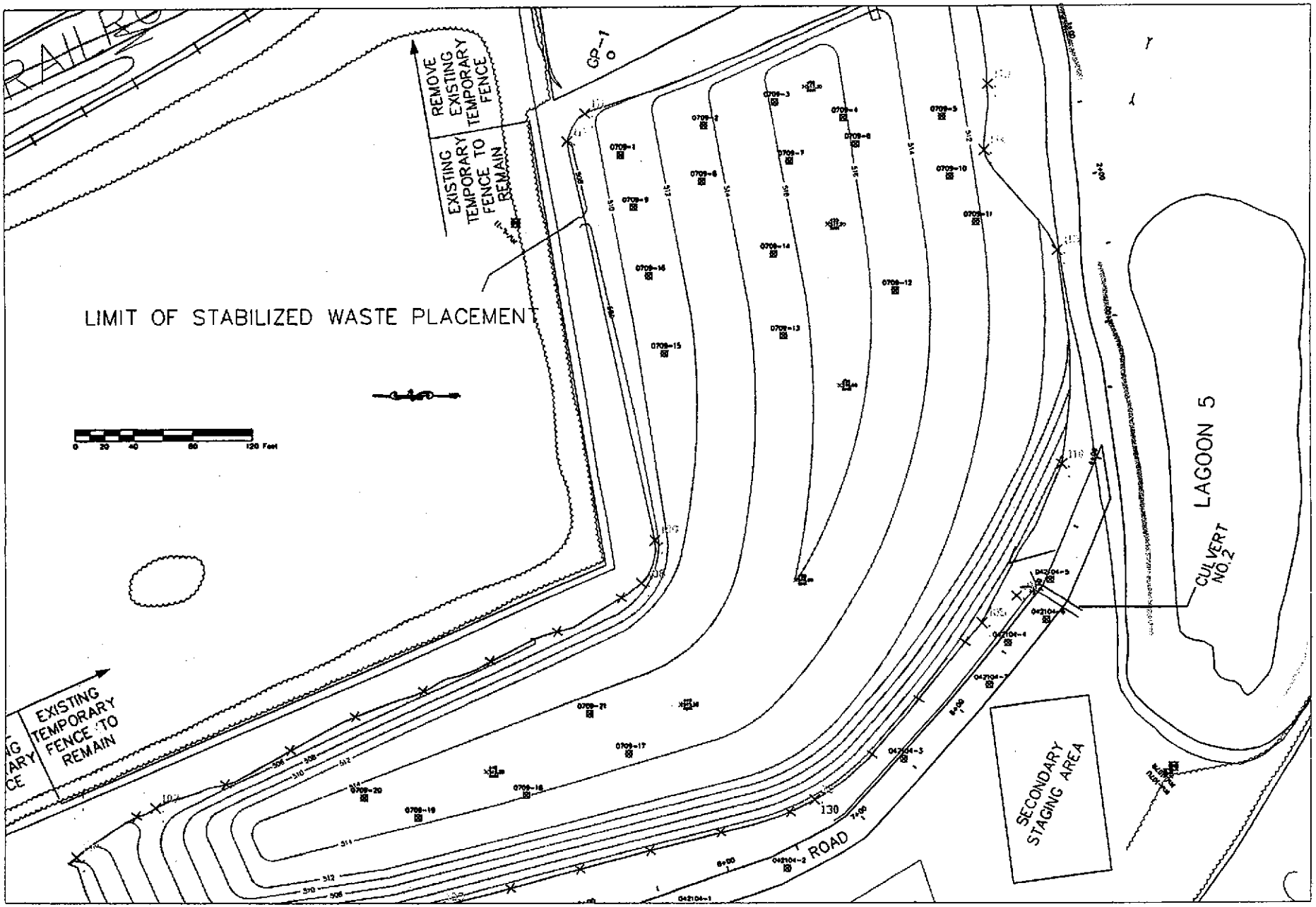

FIELD DENSITY TESTING - 07/09/04

LANDFILL - STABILIZED SLUDGE AND GAS VENT SAND

Transmittal of Documents for Acceptance by EPA* Date: **07/19/04** Transmittal No. **56**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
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From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Landfill Sludge Placement and Gas Vent Sand Density Testing	2	
	Test date: 07/15/04		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer
	Date

*For use by the contractor when submitting a deliverable to the RPM/WAM.

MT 56

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	7/15/2004
Project Location:	North Pownal, VT	**Weather:**	Cloudy, 75F
Testing Location:	Landfill	**Page:**	1 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	GVS 06024				
Corrected Maximum Dry Density, pcf	127.0				
Corrected Optimum Moisture Content, %	12.0				

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0715-001	—	6	125.2	98.6	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-002	—	9	120.8	95.1	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-003	—	6	127.0	100.0	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-004	—	8	122.9	96.8	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-005	—	7	126.1	99.3	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-006	—	7	127.9	100.7	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-007	—	9	120.6	95.0	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-008	—	11	121.2	95.4	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-009	—	12	117.4	92.4	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-010	—	14	123.4	97.2	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-011	—	15	119.4	94.0	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-012	—	13	117.0	92.1	GVS 06024	GVS 06024 = Gas Vent Sand 060204

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 4 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Steven Seat	On-Site:	9:30 AM	Mileage:	238 miles
		Off-Site:	1:30 PM	Travel Time:	6 hours

GeoTesting Express, Inc. • Boxborough, MA • (978) 635-0424 • Fax (978) 635-0266

Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Landfill

Project #: GTX-5150
Date: 7/15/2004
Weather: Cloudy, 75F
Page: 2 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	GVS 06024				
Corrected Maximum Dry Density, pcf	127.0				
Corrected Optimum Moisture Content, %	12.0				

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0715-013	—	18	118.1	93.0	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-014	—	13	122.2	96.2	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-015	—	17	123.5	97.2	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-016	—	16	120.0	94.5	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-017	—	12	124.5	98.0	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-018	—	14	123.6	97.3	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-019	—	12	126.2	99.4	GVS 06024	GVS 06024 = Gas Vent Sand 060204
0715-020	—	17	119.0	93.7	GVS 06024	GVS 06024 = Gas Vent Sand 060204

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 4 inch depth tested unless noted otherwise.

Field Monitor: Mr. Steven Seat

On-Site: 9:30 AM
Off-Site: 1:30 PM

Mileage: 238 miles
Travel Time: 6 hours

GeoTesting Express, Inc. • Boxborough, MA • (978) 635-0424 • Fax (978) 635-0266

Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Landfill

Project #: GTX-5150
Date: 7/15/2004
Weather: Cloudy, 75F
Page: 3 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0702SS-1	0702SS-2	0617SS-2		
Corrected Maximum Dry Density, pcf	86.0	72.0	69.0		
Corrected Optimum Moisture Content, %	30.5	12.5	44.0		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
07015-021	513.5 Elevation	46	83.9	97.6	0702SS-1	
07015-022	516.0 Elevation	49	79.5	92.4	0702SS-1	
07015-023	515.0 Elevation	55	77.4	90.0	0702SS-1	
07015-024	511.0 Elevation	61	74.5	103.5	0702SS-2	
07015-025	512.0 Elevation	54	81.5	94.8	0702SS-1	
07015-025	515.0 Elevation	79	71.3	99.0	0702SS-2	
07015-025	516.0 Elevation	87	62.8	91.0	0617SS-2	
07015-025	514.0 Elevation	60	75.7	105.1	0702SS-2	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: —

Field Monitor: Mr. Steven Seat

On-Site: 9:30 AM
Off-Site: 1:30 PM

Mileage: 238 miles
Travel Time: 6 hours

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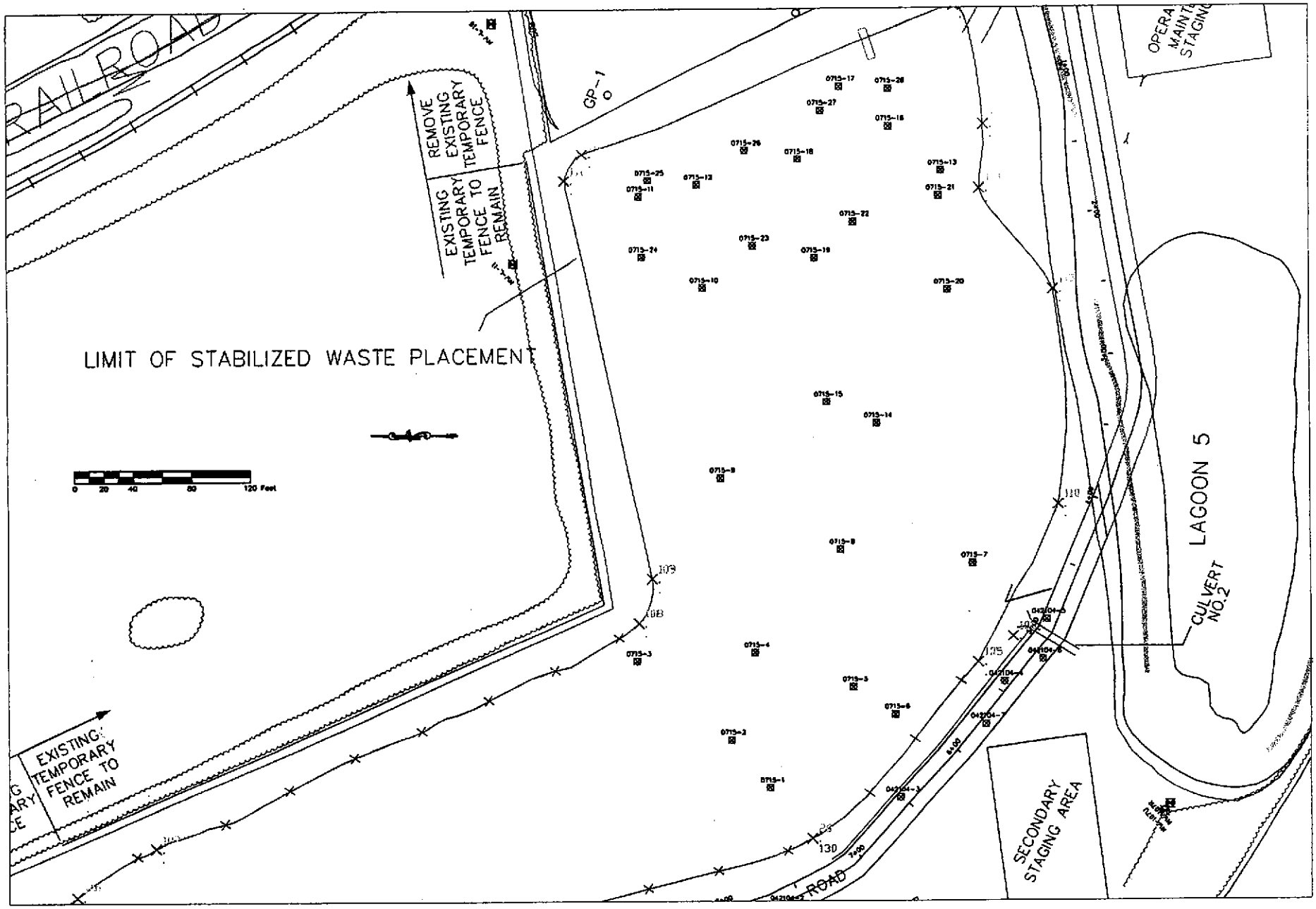

FIELD DENSITY TESTING - 07/15/04

LANDFILL - STABILIZED SLUDGE AND GAS VENT SAND

Transmittal of Documents for Acceptance by EPA*

Date: **07/28/04**

Transmittal No. **63**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Lagoon Backfill Density Testing	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 63

*For use by the contractor when submitting a deliverable to the RPM/WAM.

Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Lagoon

Project #: GTX-5150
Date: 7/21/2004
Weather: Sunny, 95F
Page: 1 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	WR#4	WR#5	WR#6		
Corrected Maximum Dry Density, pcf	130.0	118.5	127.0		
Corrected Optimum Moisture Content, %	9.0	12.5	9.5		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0721-001	Lagoon 1	15	109.6	92.5	WR#5	Lift 1
0721-002	Lagoon 1	10	114.0	96.2	WR#5	Lift 1
0721-003	Lagoon 1	15	107.2	90.5	WR#5	Lift 2
0721-004	Lagoon 1	12	111.0	93.7	WR#5	Lift 2
0721-005	Lagoon 1	13	108	91.1	WR#5	Lift 2
0721-006	Lagoon 1	14	113.4	95.7	WR#5	Lift 2
0721-007	Lagoon 1	13	112.0	94.5	WR#5	Lift 2
0721-008	Lagoon 1	14	122.2	94.0	WR#4	Lift 2
0721-009	Lagoon 1	14	121.4	93.4	WR#4	Lift 3
0721-010	Lagoon 1	12	129.0	99.2	WR#4	Lift 1
0721-011	Lagoon 1	13	118.1	90.8	WR#4	Lift 1
0721-012	Lagoon 1	12	127.5	98.1	WR#4	Lift 1

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-382	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor: Mr. Marc Hebert

On-Site: 9:30 AM
Off-Site: 2:30 PM

Mileage: 238 miles
Travel Time: 6 hours

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Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Landfill

Project #: GTX-5150
Date: 7/21/2004
Weather: Sunny, 95F
Page: 2 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	WR#4	WR#5	WR#6		
Corrected Maximum Dry Density, pcf	130.0	118.5	127.0		
Corrected Optimum Moisture Content, %	9.0	12.5	9.5		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0721-013	Lagoon 1	13	125.9	96.8	WR#4	Lift 1
0721-014	Lagoon 1	12	119.7	92.1	WR#4	Lift 3
0721-015	Lagoon 1	12	125.4	96.5	WR#4	Lift 4
0721-016	Lagoon 1	12	121.0	93.1	WR#4	Lift 4
0721-017	Lagoon 1	13	118.5	91.2	WR#4	Lift 4
0721-018	Lagoon 1	12	129.9	99.9	WR#4	Lift 3
0721-019	Lagoon 1	6	121.2	95.4	WR#6	Lift 1
0721-020	Lagoon 1	13	131.2	103.3	WR#6	Lift 1
0721-021	Lagoon 1	8	121.3	95.5	WR#6	Lift 1
0721-022	Lagoon 1	9	123.2	97.0	WR#6	Lift 1
0721-023	Lagoon 1	13	128.1	100.9	WR#6	Lift 2
0721-024	Lagoon 1	13	114.4	90.1	WR#6	Lift 2

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-382	--

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor: Mr. Marc Hebert

On-Site: 9:30 AM
Off-Site: 2:30 PM

Mileage: 238 miles
Travel Time: 6 hours

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Field Density Test Report

Client: Maxymillian
Project Name: North Pownal Tannery
Project Location: North Pownal, VT
Testing Location: Landfill

Project #: GTX-5150
Date: 7/21/2004
Weather: Sunny, 95F
Page: 3 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	WR#4	WR#5	WR#6		
Corrected Maximum Dry Density, pcf	130.0	118.5	127.0		
Corrected Optimum Moisture Content, %	9.0	12.5	9.5		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0721-025	Lagoon 1	12	115.2	90.7	WR#6	Lift 2
0721-026	Lagoon 1	13	125.2	98.6	WR#6	Lift 2

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-382	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor: Mr. Marc Hebert

On-Site: 9:30 AM
Off-Site: 2:30 PM

Mileage: 238 miles
Travel Time: 6 hours

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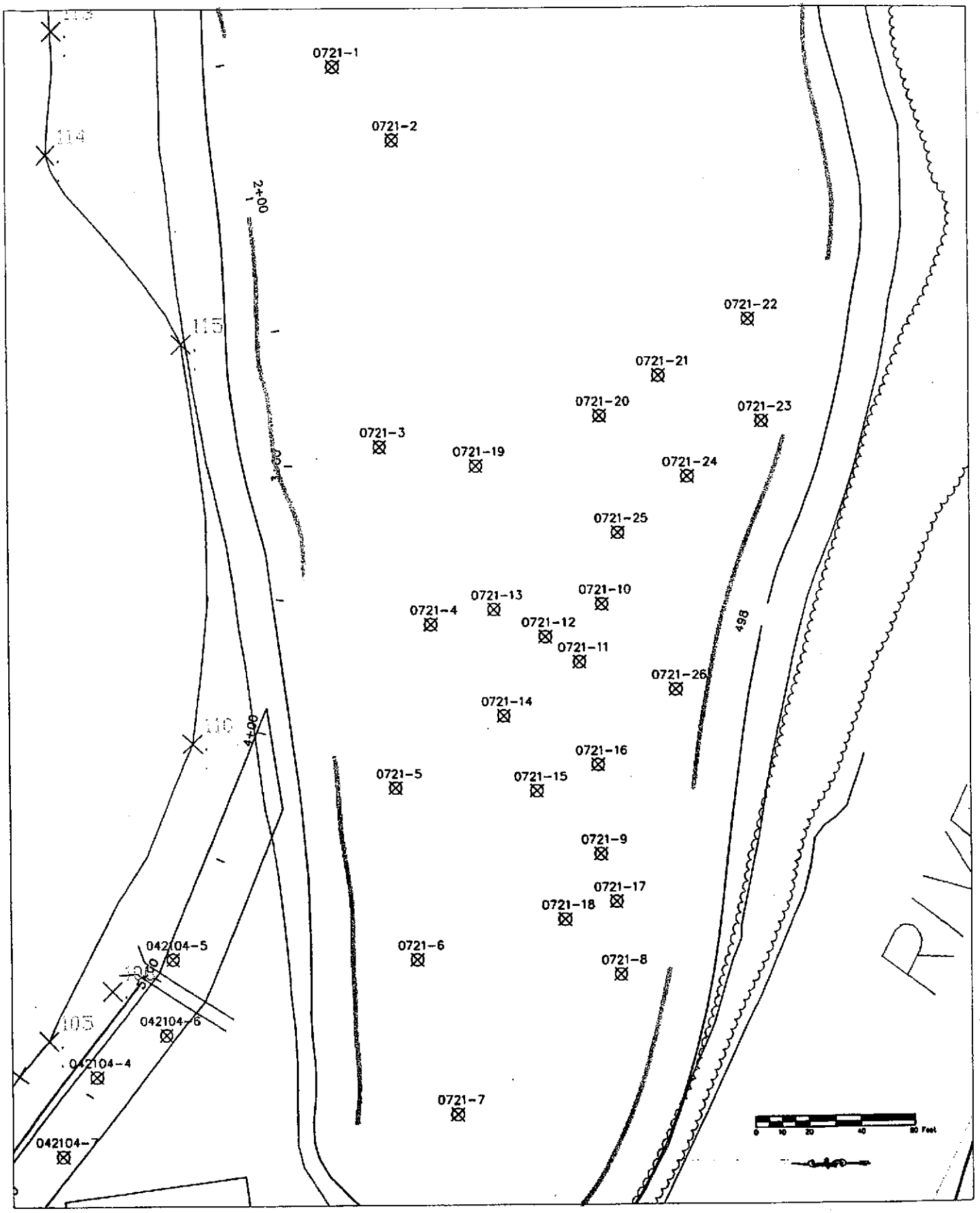

FIELD DENSITY TESTING - 07/21/04

LAGOON#1 BACKFILL (GENERAL FILL-WR#4, 5 & 6)

Transmittal of Documents for Acceptance by EPA*

Date: **08/11/04**

Transmittal No. **70**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	General Fill Density Testing 07/23/04	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 70

*For use by the contractor when submitting a deliverable to the RPM/WAM.

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51-043-32B(2)

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	7/23/2004
Project Location:	North Pownal, VT	**Weather:**	Rain
Testing Location:	Lagoon	**Page:**	1 of 1

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0624GF				
Corrected Maximum Dry Density, pcf	126.0				
Corrected Optimum Moisture Content, %	9.5				

Field Compaction Test Results

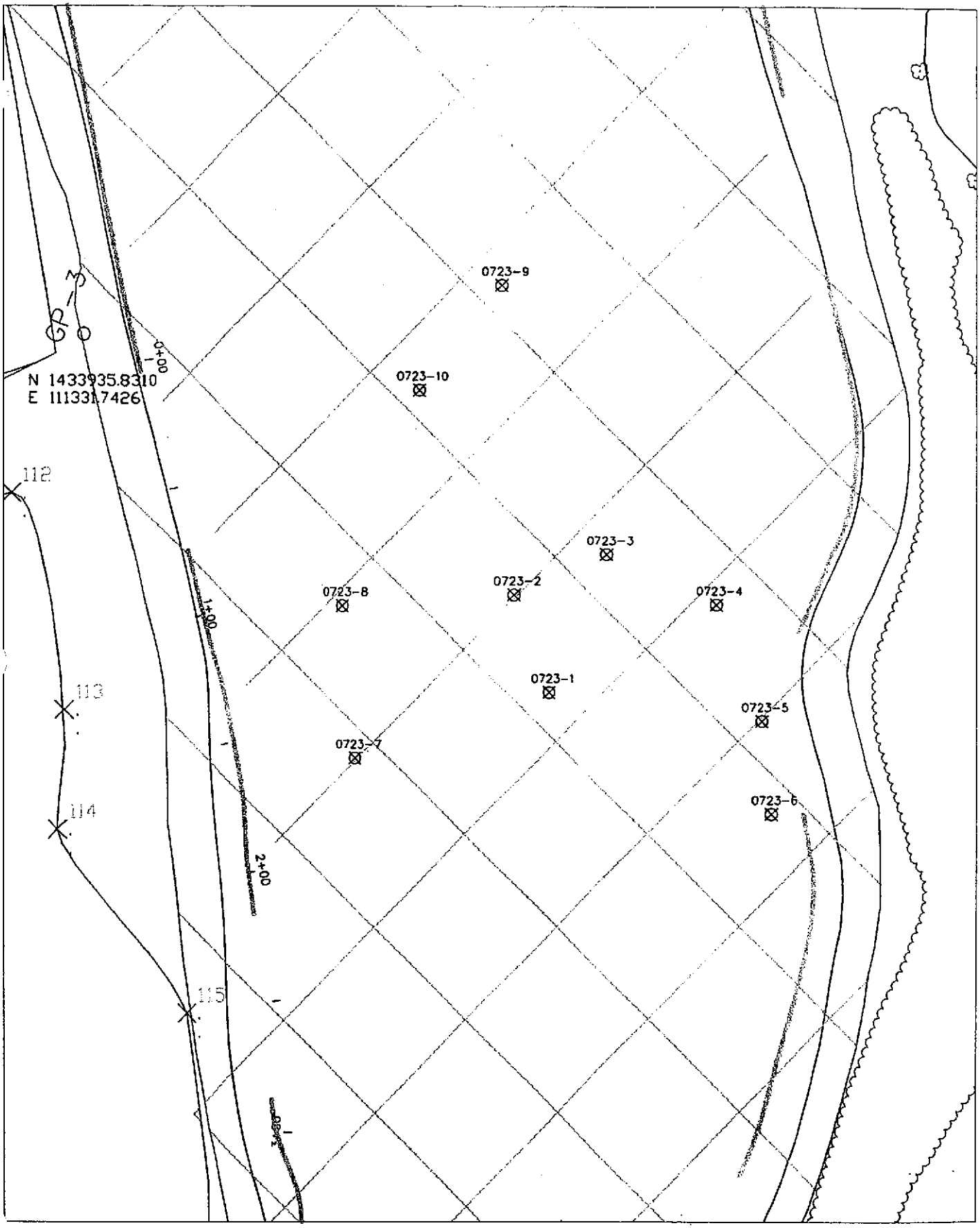
Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0723-001	Lagoon 1	7	115.0	91.3	0624GF	Lift 1
0723-002	Lagoon 1	6	116.1	92.1	0624GF	Lift 1
0723-003	Lagoon 1	6	122.1	96.9	0624GF	Lift 2
0723-004	Lagoon 1	7	125.7	99.8	0624GF	Lift 2
0723-005	Lagoon 1	7	118.7	94.2	0624GF	Lift 3
0723-006	Lagoon 1	9	123.8	98.3	0624GF	Lift 3
0723-007	Lagoon 1	11	119.1	94.5	0624GF	Lift 3
0723-008	Lagoon 1	12	122.7	97.4	0624GF	Lift 3
0723-009	Lagoon 1	14	116.8	92.7	0624GF	Lift 4
0723-010	Lagoon 1	14	118.6	94.1	0624GF	Lift 3

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3411	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Larry Pierce	On-Site:	12:45 PM	Mileage:	238 miles
		Off-Site:	2:45 PM	Travel Time:	6 hours



FIELD DENSITY TESTING - 07/23/04

LAGOON#1 BACKFILL (GENERAL FILL)

Transmittal of Documents for Acceptance by EPA*

Date: **08/11/04**

Transmittal No. **72**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Crushed Gravel and General Fill Density Testing 08/04/04	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 72

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/4/2004
Project Location:	North Pownal, VT	**Weather:**	Partly Cloudy, 75F
Testing Location:	Landfill / Lagoon 1	**Page:**	1 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 In Gravel -1	0721CS-B	0624GF		
Corrected Maximum Dry Density, pcf	134.5	134.0	126.0		
Corrected Optimum Moisture Content, %	8.0	8.0	9.5		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0804-001	Lagoon 1	8	121.9	96.7	0624GF	
0804-002	Lagoon 1	8	116.4	92.4	0624GF	
0804-003	Lagoon 1	8	117.6	93.3	0624GF	
0804-004	Lagoon 1	7	113.9	90.4	0624GF	
0804-005	Lagoon 1	5	119.5	94.8	0624GF	
0804-006	Landfill	9	133.5	99.6	0721CS-B	Top
0804-007	Landfill	8	132.8	99.1	0721CS-B	Top
0804-008	Landfill	8	126.3	94.3	0721CS-B	Top
0804-009	Landfill	8	132.6	99.0	0721CS-B	Top
0804-010	Landfill	10	127.4	95.1	0721CS-B	Top
0804-011	Landfill	8	131.9	98.4	0721CS-B	Top
0804-012	Landfill	7	132.5	98.9	0721CS-B	Top

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3411	---

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Larry Pierce	On-Site:	8:45 AM	Mileage:	238 miles
		Off-Site:	10:45 AM	Travel Time:	6 hours

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/4/2004
Project Location:	North Pownal, VT	**Weather:**	Partly Cloudy, 75F
Testing Location:	Landfill / Lagoon 1	**Page:**	2 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 in Gravel -1	0721CS-B	0624GF		
Corrected Maximum Dry Density, pcf	134.5	134.0	126.0		
Corrected Optimum Moisture Content, %	8.0	8.0	9.5		

Field Compaction Test Results

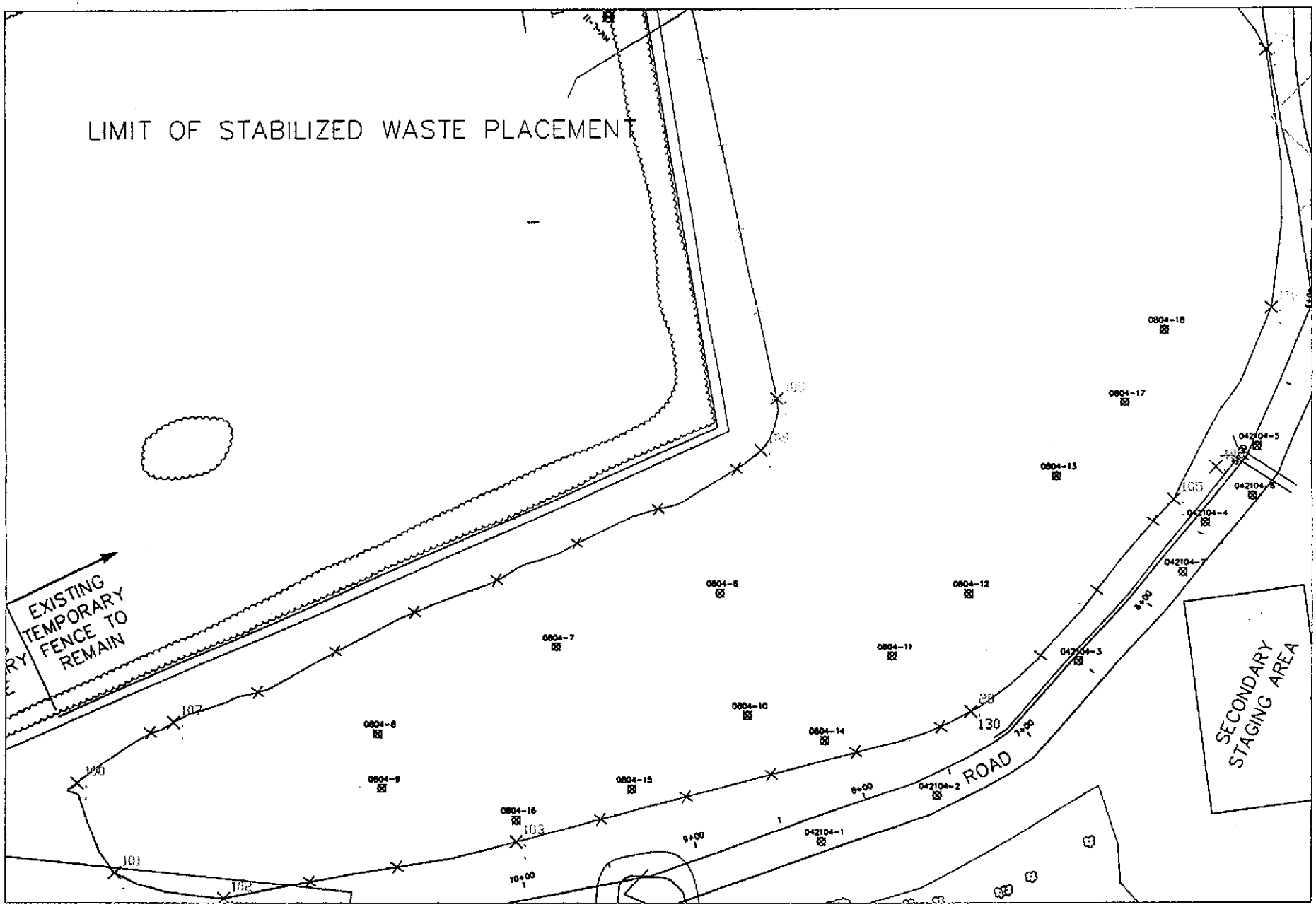
Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0804-013	Landfill	8	129.3	96.5	0721CS-B	Top
0804-014	Landfill	5	128.4	95.5	2 in Gravel -1	Side
0804-015	Landfill	5	130.2	96.8	2 in Gravel -1	Side
0804-016	Landfill	4	122.0	90.7	2 in Gravel -1	Side
0804-017	Landfill	7	129.6	96.7	0721CS-B	Top
0804-018	Landfill	8	135.0	100.7	0721CS-B	Top
0804-019	Lagoon 1	8	124.4	98.7	0624GF	
0804-020	Lagoon 1	7	116.4	92.4	0624GF	
0804-021	Lagoon 1	7	119.8	95.1	0624GF	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3411	—

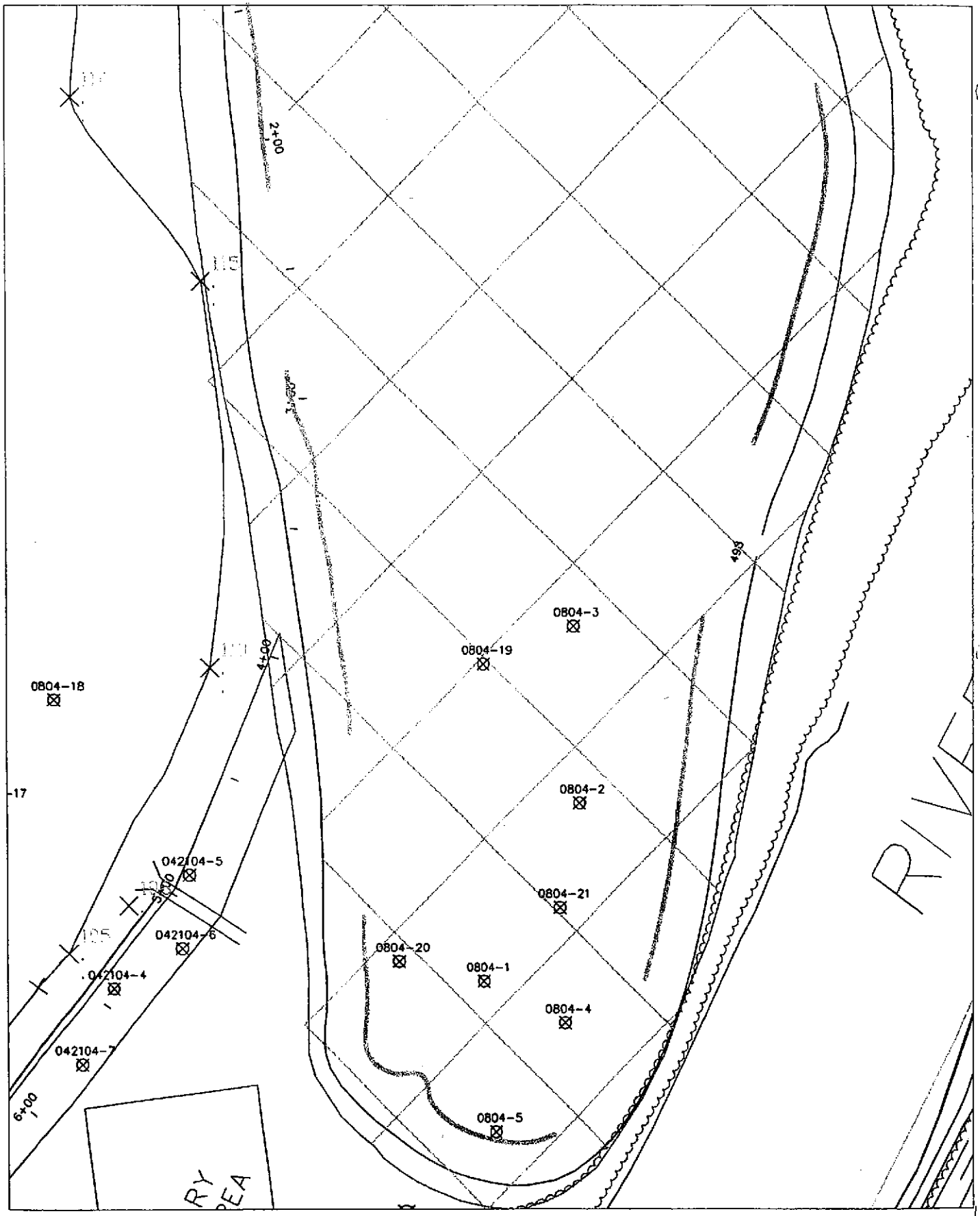
Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Larry Pierce	On-Site:	8:45 AM	Mileage:	238 miles
		Off-Site:	10:45 AM	Travel Time:	6 hours



FIELD DENSITY TESTING - 08/04/04

LANDFILL - COVER SOIL AND CRUSHED GRAVEL



FIELD DENSITY TESTING - 08/04/04

LAGOON BACKFILL (GENERAL FILL)

Transmittal of Documents for Acceptance by EPA*

Date: **08/11/04**

Transmittal No. **71**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Crushed Gravel and General Fill Density Testing 08/02/04	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 71

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting
express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/2/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 95F
Testing Location:	Landfill / Lagoon 1	**Page:**	1 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 in Gravel -1	0721CS-D	0624GF		
Corrected Maximum Dry Density, pcf	134.5	132.5	126.0		
Corrected Optimum Moisture Content, %	8.0	8.5	9.5		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0802-001	Landfill slope	4	132.6	98.6	2 in Gravel -1	Middle
0802-002	Landfill slope	4	133.9	99.6	2 in Gravel -1	Top
0802-003	Landfill slope	3	127.9	95.1	2 in Gravel -1	Middle
0802-004	Landfill slope	5	125.2	93.1	2 in Gravel -1	Bottom
0802-005	Lagoon 1	7	132.6	100.1	0721CS-D	Lift 1: South West
0802-006	Lagoon 1	8	129.9	98.0	0721CS-D	Lift 1: South West
0802-007	Lagoon 1	9	132.9	100.3	0721CS-D	Lift 1: South West
0802-008	Lagoon 1	8	133.9	101.1	0721CS-D	Lift 1: South West
0802-009	Lagoon 1	8	132.2	99.8	0721CS-D	Lift 1: South West
0802-010	Lagoon 1	7	131.4	99.2	0721CS-D	Lift 2: South West
0802-011	Lagoon 1	9	134.0	101.1	0721CS-D	Lift 2: South West
0802-012	Lagoon 1	8	127.6	96.3	0721CS-D	Lift 2: South West

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-382	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Marc Hebert	On-Site:	12:00 PM	Mileage:	238 miles
		Off-Site:	3:00 PM	Travel Time:	6 hours

GeoTesting
express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/2/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 95F
Testing Location:	Landfill / Lagoon 1	**Page:**	2 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 in Gravel -1	0721CS-D	0624GF		
Corrected Maximum Dry Density, pcf	134.5	132.5	126.0		
Corrected Optimum Moisture Content, %	8.0	8.5	9.5		

Field Compaction Test Results

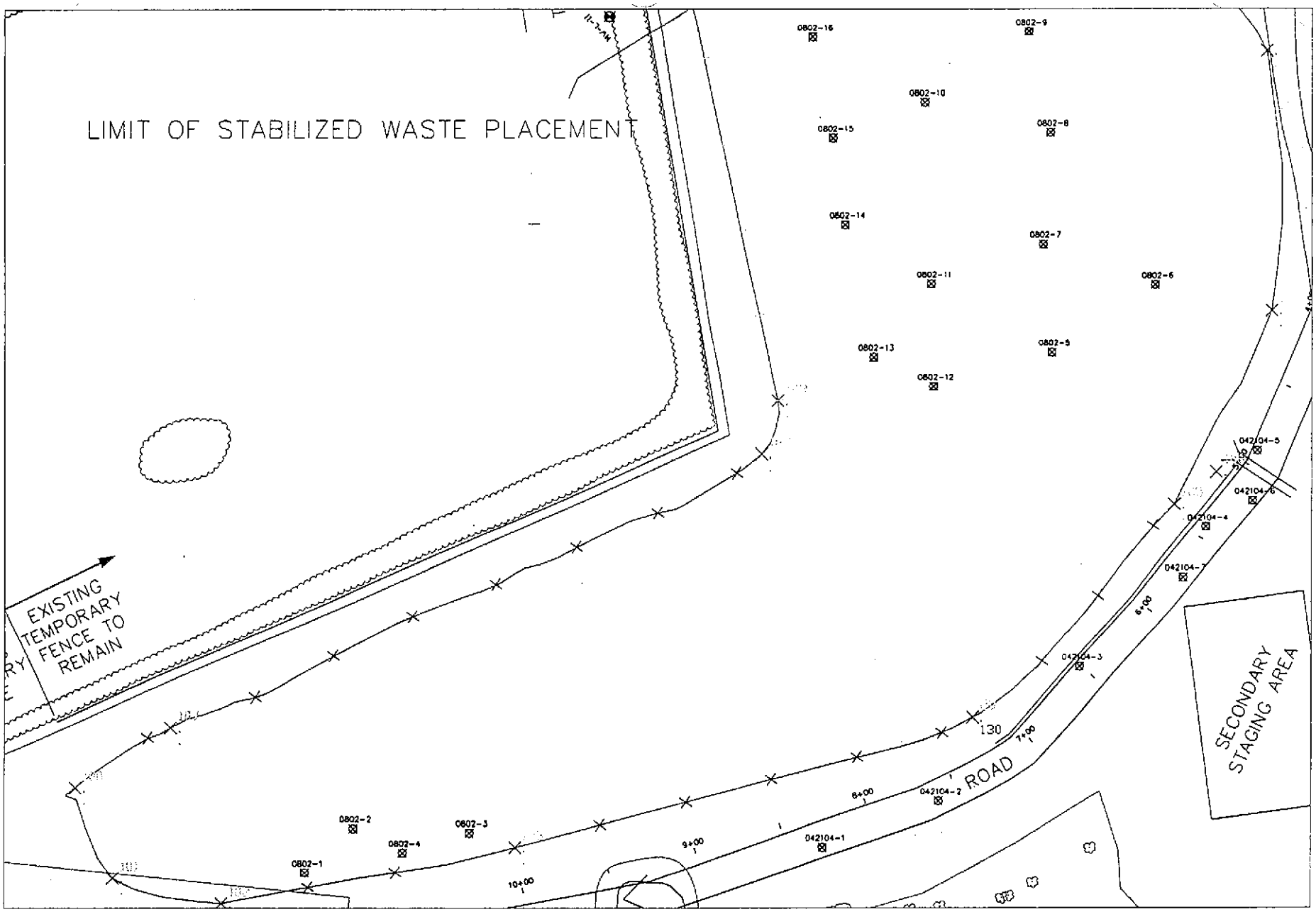
Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0802-013	Lagoon 1	7	131.0	98.9	0721CS-D	Lift 2: South West
0802-014	Lagoon 1	8	124.9	94.3	0721CS-D	Lift 2: South West
0802-015	Lagoon 1	8	133.8	101.0	0721CS-D	Lift 2: South West
0802-016	Lagoon 1	8	137.0	103.4	0721CS-D	Lift 2: South West
0802-017	Lagoon 1	6	123.4	97.9	0624GF	Lift 6: North East
0802-018	Lagoon 1	6	118.7	94.2	0624GF	Lift 6: North East
0802-019	Lagoon 1	5	124.6	98.9	0624GF	Lift 7: North East
0802-020	Lagoon 1	5	116.9	92.8	0624GF	Lift 7: North East
0802-021	Lagoon 1	7	116.0	92.1	0624GF	Lift 8: North East
0802-022	Lagoon 1	8	123.2	97.8	0624GF	Lift 8: North East
0802-023	Lagoon 1	5	117.9	93.6	0624GF	Lift 9: North East
0802-024	Lagoon 1	8	128.4	101.9	0624GF	Lift 9: North East

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-382	—

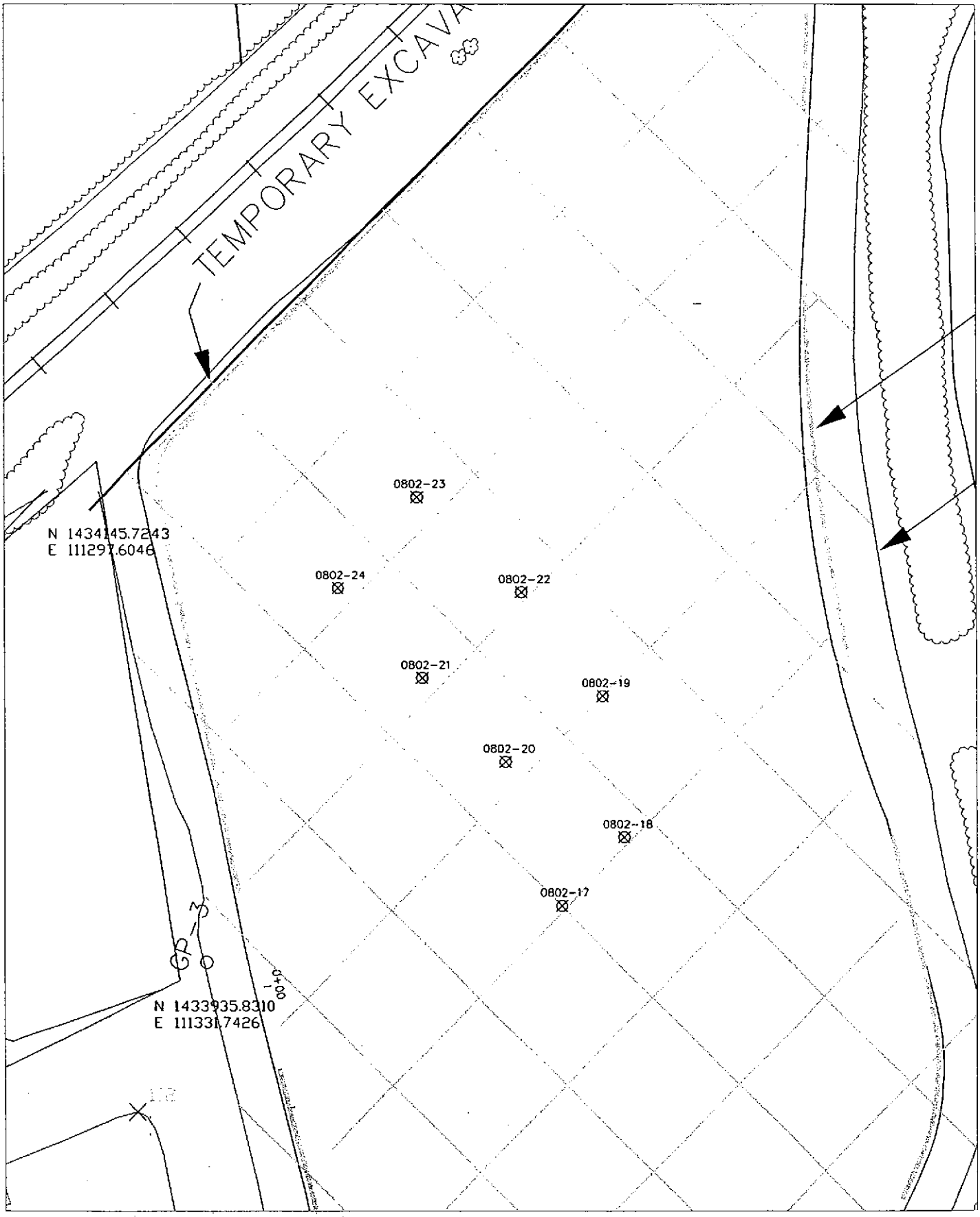
Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Marc Hebert	On-Site:	12:00 AM	Mileage:	238 miles
		Off-Site:	3:00 PM	Travel Time:	6 hours



FIELD DENSITY TESTING - 08/02/04

LANDFILL - COVER SOIL AND CRUSHED GRAVEL



FIELD DENSITY TESTING - 08/02/04

LAGOON BACKFILL (GENERAL FILL)

Transmittal of Documents for Acceptance by EPA*

Date: **08/16/04**

Transmittal No. **74**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	General Fill, Cover Soil and Gas Vent Sand Density Testing 07/29/04	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 74

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	7/29/2004
Project Location:	North Pownal, VT	**Weather:**	Partly Cloudy, 80F
Testing Location:	Lagoon	**Page:**	1 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0624GF	GV0709	Cover Soil C		
Corrected Maximum Dry Density, pcf	126.0	122.0	127.0		
Corrected Optimum Moisture Content, %	9.5	10.5	9.0		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0729-001	Lagoon	5	125.3	99.4	0624GF	Lift 3
0729-002	Lagoon	7	120.9	96.0	0624GF	Lift 3
0729-003	Lagoon	6	124.7	99.0	0624GF	Lift 3
0729-004	Lagoon	7	123.2	97.8	0624GF	Lift 4
0729-005	Lagoon	6	124.2	98.6	0624GF	Lift 4
0729-006	Lagoon	7	128.0	102	0624GF	Lift 4
0729-007	Lagoon	8	116.6	92.5	0624GF	Lift 5
0729-008	Lagoon	7	114.0	90.5	0624GF	Lift 5
0729-009	Lagoon	6	114.2	90.6	0624GF	Lift 5
0729-010	Lagoon	10	118.8	94.3	0624GF	Lift 5
0729-011	Lagoon	7	119.9	95.2	0624GF	Lift 6
0729-012	Lagoon	4	117.2	93.0	0624GF	Lift 6

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3411	--

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Craig Paradis	On-Site:	1:15 PM	Mileage:	238 miles
		Off-Site:	3:15 PM	Travel Time:	6 hours

GeoTesting
express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	7/29/2004
Project Location:	North Pownal, VT	**Weather:**	Partly Cloudy, 80F
Testing Location:	Lagoon / Landfill	**Page:**	2 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0624GF	GV0709	Cover Soil C		
Corrected Maximum Dry Density, pcf	126.0	122.0	127.0		
Corrected Optimum Moisture Content, %	9.5	10.5	9.0		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0729-013	Lagoon	4	118.4	94.0	0624GF	Lift 6
0729-014	Lagoon	5	117.6	93.3	0624GF	Lift 6
0729-015	Lagoon	5	114.2	90.6	0624GF	Lift 7
0729-016	Lagoon	5	115.9	92.0	0624GF	Lift 7
0729-017	Lagoon	4	128.7	102	0624GF	Lift 7
0729-018	Lagoon	7	125.0	99.2	0624GF	Lift 7
0729-019	Lagoon	7	126.9	101	0624GF	Lift 5
0729-020	Lagoon	11	125.8	99.8	0624GF	Lift 5
0729-021	Lagoon	5	126.0	100	0624GF	Lift 7
0729-022	Landfill	7	126.4	104	GV0709	4" Depth Tested
0729-023	Landfill	7	115.6	94.8	GV0709	4" Depth Tested
0729-024	Landfill	9	117.5	92.5	Cover Soil C	Lift 1

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3411	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Craig Paradis	On-Site:	1:15 PM	Mileage:	238 miles
		Off-Site:	3:15 PM	Travel Time:	6 hours

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	7/29/2004
Project Location:	North Pownal, VT	**Weather:**	Partly Cloudy, 80F
Testing Location:	Lagoon	**Page:**	3 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0624GF	GV0709	Cover Soil C		
Corrected Maximum Dry Density, pcf	126.0	122.0	127.0		
Corrected Optimum Moisture Content, %	9.5	10.5	9.0		

Field Compaction Test Results

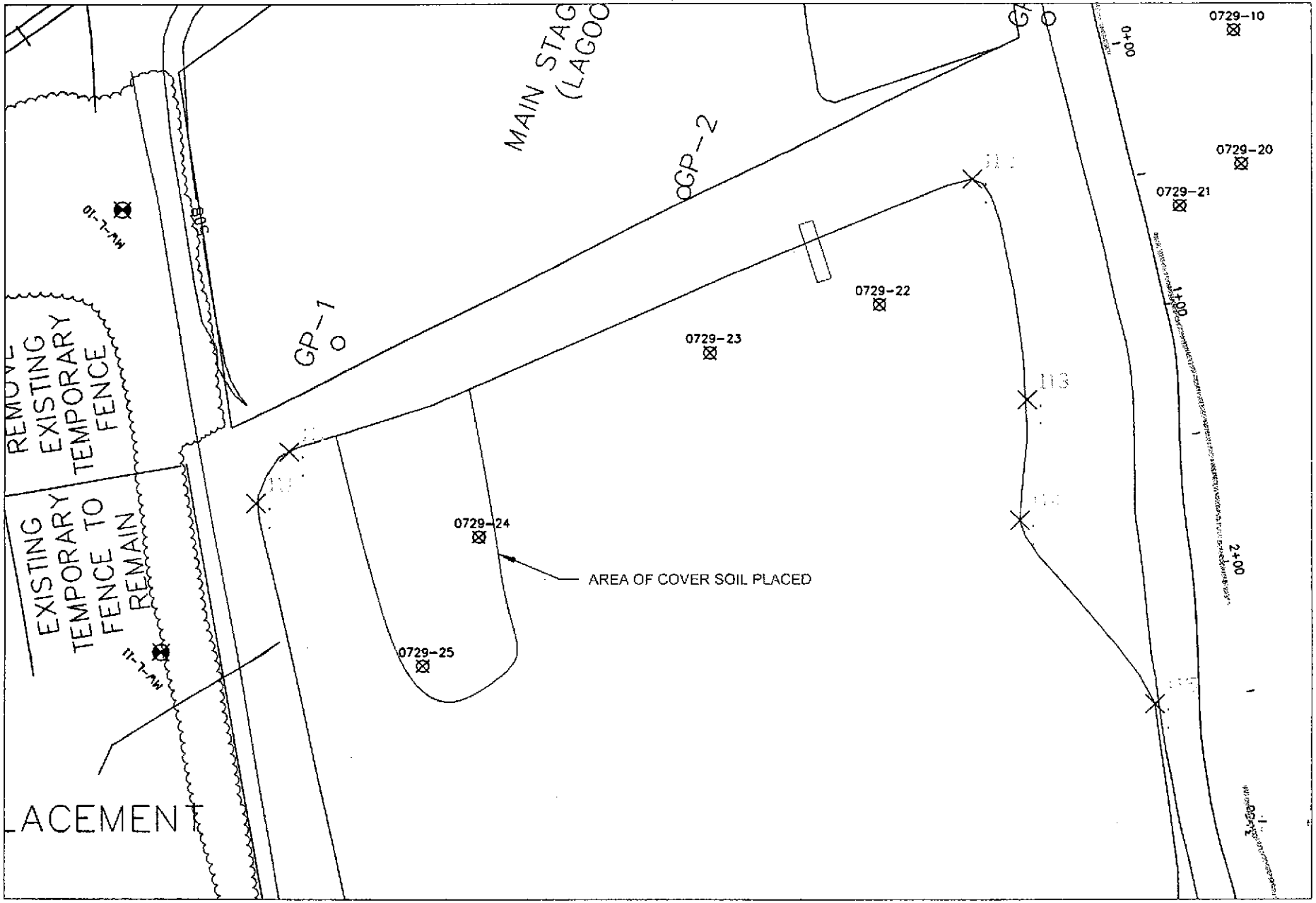
Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0729-025	Landfill	8	129.2	102	Cover Soil C	Lift 1

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3411	—

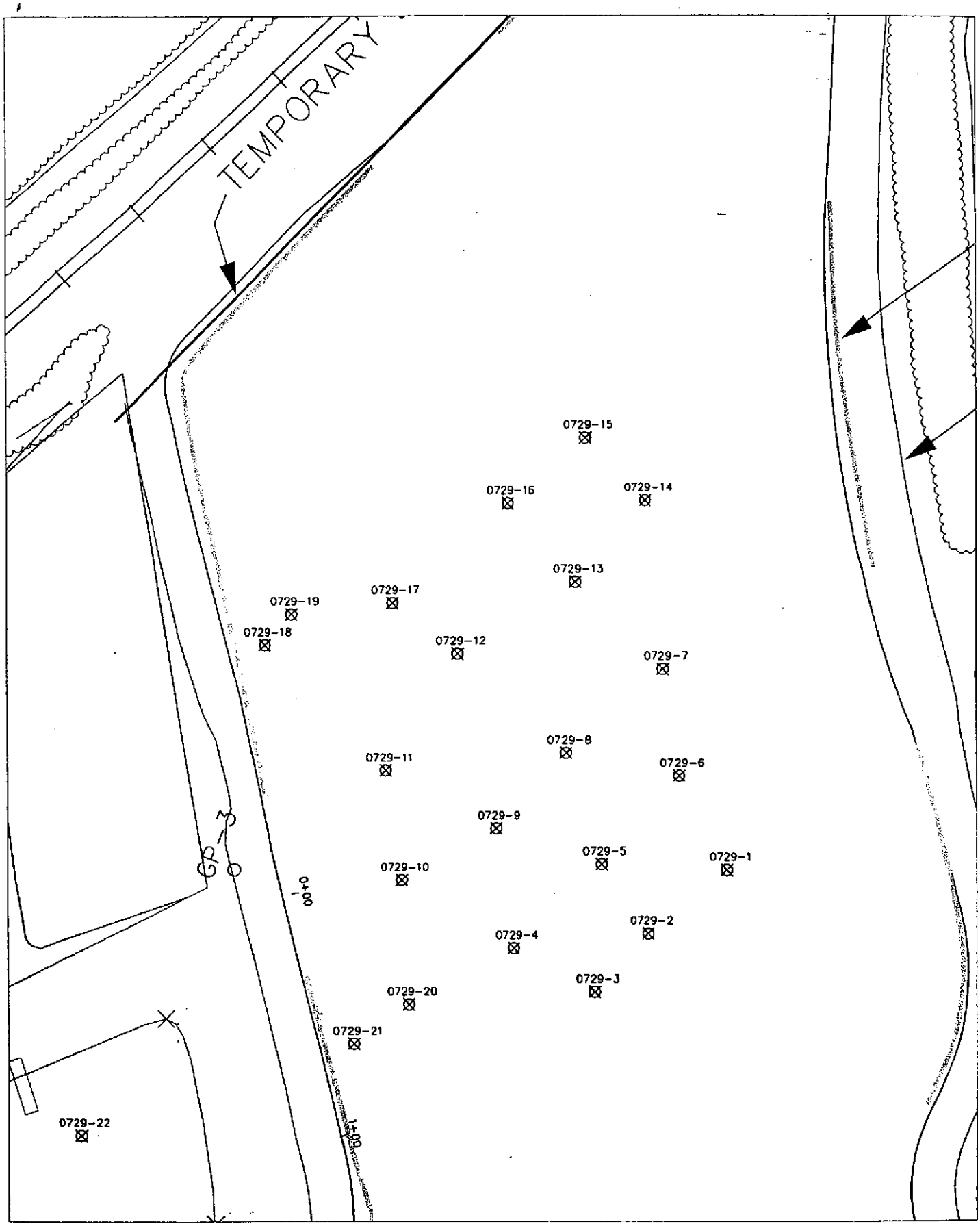
Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Craig Paradis	On-Site:	1:15 PM	Mileage:	238 miles
		Off-Site:	3:15 PM	Travel Time:	6 hours



FIELD DENSITY TESTING - 07/29/04

LANDFILL - COVER SOIL AND GAS VENT SAND



FIELD DENSITY TESTING - 07/29/04

LAGOON BACKFILL (GENERAL FILL)

Transmittal of Documents for Acceptance by EPA*

Date: 09/09/04

Transmittal No. 83

Specification Section: 02316

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Crushed Gravel, Cover Soil and General Fill Density Testing 08/09/04	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 83

*For use by the contractor when submitting a deliverable to the RPM/WAM.

jod/MT\04009\04009 TRA 51-043-32B_2 =83

51-043-32B(2)

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/9/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 80F
Testing Location:	Landfill / Lagoon 1	**Page:**	1 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 in Gravel -1	0721CS-C	General Fill		
Corrected Maximum Dry Density, pcf	134.5	132.5	130.0		
Corrected Optimum Moisture Content, %	8.0	8.0	7.0		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0809-001	Lagoon 1	5	131.1	101	General Fill	Lift 8: South West
0809-002	Lagoon 1	6	117.3	90.2	General Fill	Lift 6: South West
0809-003	Lagoon 1	5	120.2	92.5	General Fill	Lift 7: South West
0809-004	Lagoon 1	4	120.5	92.7	General Fill	Lift 6: South West
0809-005	Lagoon 1	5	123.7	95.2	General Fill	Lift 6: South West
0809-006	Lagoon 1	4	117.4	90.3	General Fill	Lift 5: South West
0809-007	Landfill	6	125.7	94.9	0721CS-C	Lift 2
0809-008	Landfill	6	125.3	94.6	0721CS-C	Lift 3
0809-009	Landfill	7	122.2	92.2	0721CS-C	Lift 4
0809-010	Landfill	7	131.6	99.3	0721CS-C	Lift 2
0809-011	Landfill	6	130.6	98.6	0721CS-C	Lift 2
0809-012	Landfill	6	120.0	90.6	0721CS-C	Lift 1

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-382	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Marc Hebert	On-Site:	12:30 PM	Mileage:	238 miles
		Off-Site:	5:00 PM	Travel Time:	6 hours

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/9/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 80F
Testing Location:	Landfill / Lagoon 1	**Page:**	2 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 in Gravel -1	0721CS-C	General Fill		
Corrected Maximum Dry Density, pcf	134.5	132.5	130.0		
Corrected Optimum Moisture Content, %	8.0	8.0	7.0		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0809-013	Landfill	5	131.1	98.9	0721CS-C	Lift 1
0809-014	Landfill	5	129.0	97.4	0721CS-C	Lift 1
0809-015	Landfill	6	124.4	93.9	0721CS-C	Lift 2
0809-016	Landfill	6	130.5	98.5	0721CS-C	Lift 2
0809-017	Landfill	6	125.3	94.6	0721CS-C	Lift 3
0809-018	Landfill	6	129.4	97.7	0721CS-C	Lift 3
0809-019	Landfill	6	136.3	103	0721CS-C	Lift 3
0809-020	Landfill	7	119.3	90.0	0721CS-C	Lift 1
0809-021	Landfill slope	3	129.3	96.1	2 in Gravel -1	Top
0809-022	Landfill slope	4	132.6	98.6	2 in Gravel -1	Middle
0809-023	Landfill slope	4	129.4	96.2	2 in Gravel -1	Middle
0809-024	Landfill slope	4	121.5	90.3	2 in Gravel -1	Middle

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-382	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Marc Hebert	On-Site:	12:30 PM	Mileage:	238 miles
		Off-Site:	5:00 PM	Travel Time:	6 hours

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/9/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 80F
Testing Location:	Landfill / Lagoon 1	**Page:**	3 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 In Gravel -1	0721CS-C	General Fill		
Corrected Maximum Dry Density, pcf	134.5	132.5	130.0		
Corrected Optimum Moisture Content, %	8.0	8.0	7.0		

Field Compaction Test Results

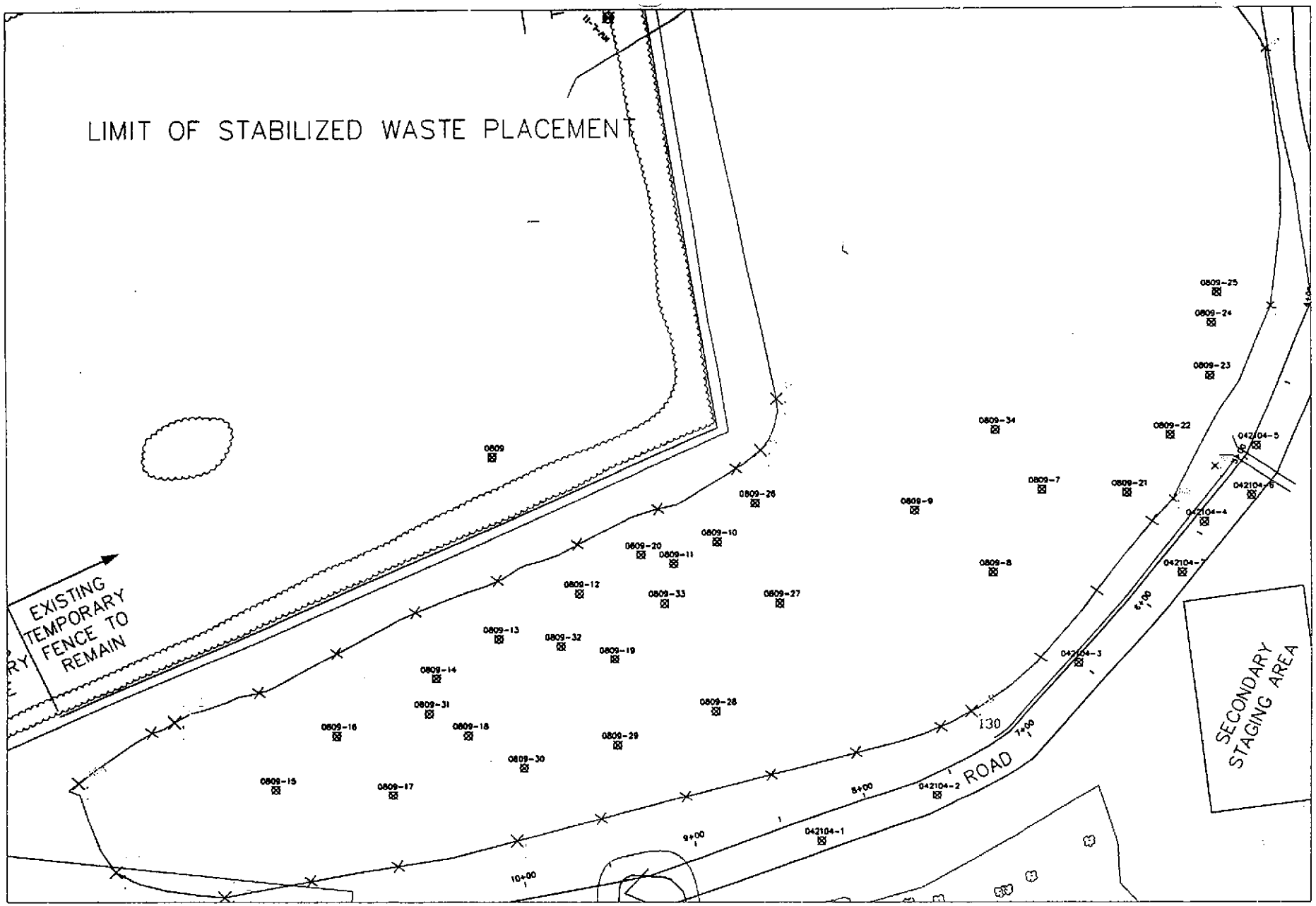
Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0809-025	Landfill slope	3	126.9	94.3	2 In Gravel -1	Top
0809-026	Landfill	7	122.1	92.2	0721CS-C	Lift 1
0809-027	Landfill	6	126.4	95.4	0721CS-C	Lift 3
0809-028	Landfill	6	128.9	97.3	0721CS-C	Lift 3
0809-029	Landfill	5	124.8	94.2	0721CS-C	Lift 3
0809-030	Landfill	5	131.5	99.2	0721CS-C	Lift 3
0809-031	Landfill	5	126.7	95.6	0721CS-C	Lift 2
0809-032	Landfill	6	131.0	98.9	0721CS-C	Lift 2
0809-033	Landfill	6	127.1	95.9	0721CS-C	Lift 2
0809-034	Landfill	8	131.0	98.9	0721CS-C	Lift 3
0809-035	Lagoon 1	9	118.7	91.3	General Fill	Lift 7: South West
0809-036	Lagoon 1	7	120.3	92.5	General Fill	Lift 7: South West

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-382	–

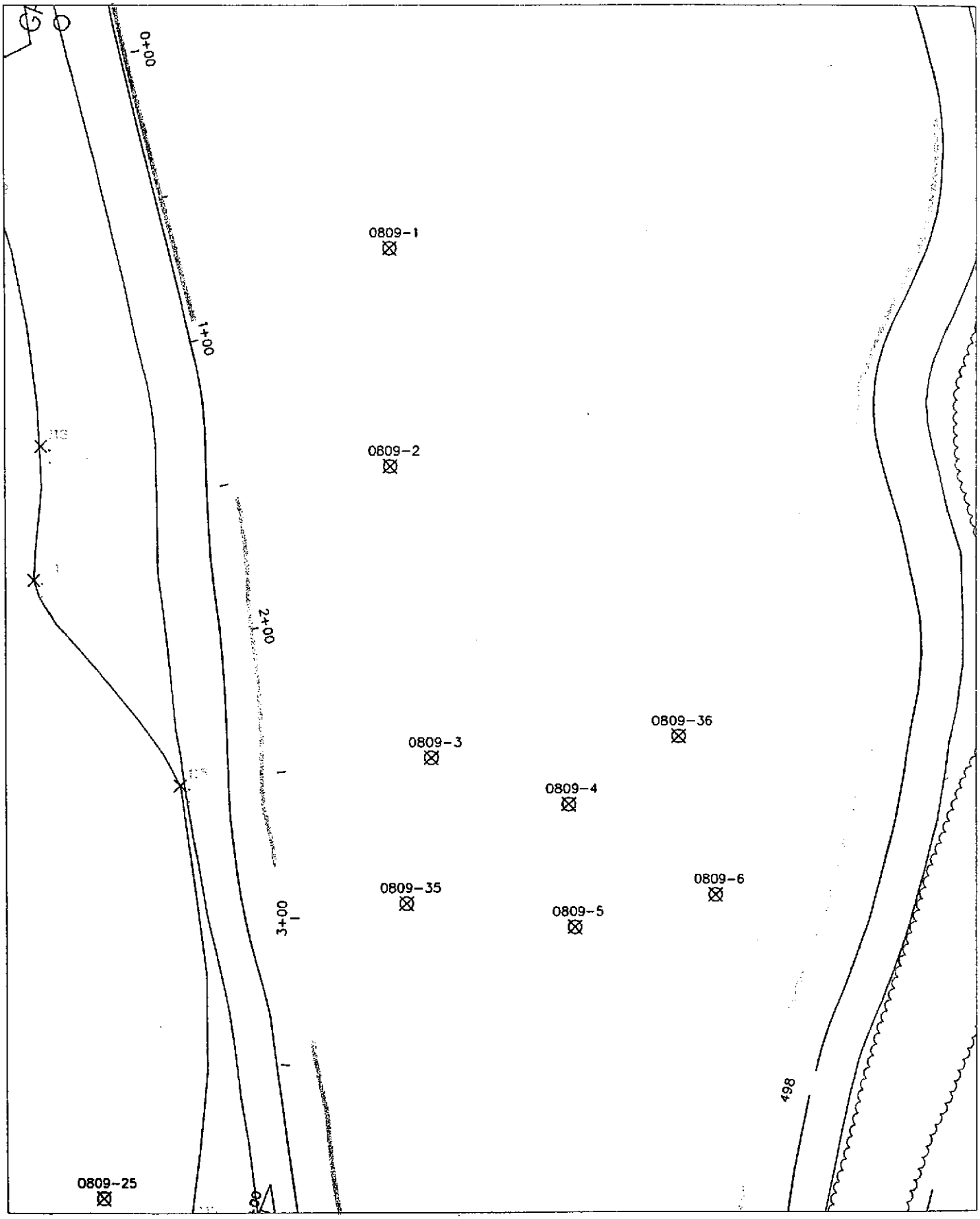
Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Marc Hebert	On-Site:	12:30 PM	Mileage:	238 miles
		Off-Site:	5:00 PM	Travel Time:	6 hours



FIELD DENSITY TESTING - 08/09/04

LANDFILL - COVER SOIL AND CRUSHED GRAVEL



FIELD DENSITY TESTING - 08/09/04

LAGOON BACKFILL (GENERAL FILL)

Transmittal of Documents for Acceptance by EPA*

Date: 09/09/04

Transmittal No. 84

Specification Section: 02316

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Crushed Gravel, Cover Soil and General Fill Density Testing 08/12/04	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 84

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/12/2004
Project Location:	North Pownal, VT	**Weather:**	Cloudy, 70F
Testing Location:	Landfill / Lagoon 1	**Page:**	1 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0624GF	0802GF	2 in Gravel	0721CS-C	
Corrected Maximum Dry Density, pcf	126.0	114.0	134.5	132.5	
Corrected Optimum Moisture Content, %	9.5	12.5	8.0	8.0	

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0812-01	—	5	115.5	91.7	0624GF	Lift 10
0812-02	—	5	124.6	98.9	0624GF	Lift 10
0812-03	—	4	122.1	96.9	0624GF	Lift 10
0812-04	—	4	128.6	102	0624GF	Lift 9
0812-05	—	3	120.5	95.6	0624GF	Lift 9
0812-06	—	8	119.5	94.8	0624GF	Lift 9
0812-07	—	5	119.1	94.5	0624GF	Lift 8
0812-08	—	8	125.4	99.5	0624GF	Lift 8
0812-09	—	7	114.7	91.0	0624GF	Lift 8
0812-10	—	5	104.1	91.3	0802GF	Lift 7
0812-11	—	6	117.5	103	0802GF	Lift 7
0812-12	—	5	105.3	92.4	0802GF	Lift 7

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Larry Peirce	On-Site:	10:00 AM	Mileage:	238 miles
		Off-Site:	1:00 PM	Travel Time:	6 hours

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/12/2004
Project Location:	North Pownal, VT	**Weather:**	Cloudy, 70F
Testing Location:	Landfill / Lagoon 1	**Page:**	2 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0624GF	0802GF	2 in Gravel	0721CS-C	
Corrected Maximum Dry Density, pcf	126.0	114.0	134.5	132.5	
Corrected Optimum Moisture Content, %	9.5	12.5	8.0	8.0	

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0812-13	—	5	104.9	92.0	0802GF	Lift 6
0812-14	—	7	119.6	94.9	0624GF	Lift 6
0812-15	—	10	129.1	102	0624GF	Lift 6
0812-16	—	7	131.7	97.9	2 in Gravel	Lift 1
0812-17	—	6	134	99.6	2 in Gravel	Lift 1
0812-18	—	5	131.8	98.0	2 in Gravel	Lift 1
0812-19	—	5	131.3	97.6	2 in Gravel	Lift 1
0812-20	—	6	134.2	99.8	2 in Gravel	Lift 1
0812-21	—	5	135.7	101	2 in Gravel	Lift 1
0812-22	—	6	125.4	94.6	0721CS-C	Lift 1
0812-23	—	5	129.3	97.6	0721CS-C	Lift 1
0812-24	—	5	134.6	102	0721CS-C	Lift 2

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Larry Peirce	On-Site:	10:00 AM	Mileage:	238 miles
		Off-Site:	1:00 PM	Travel Time:	6 hours

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/12/2004
Project Location:	North Pownal, VT	**Weather:**	Cloudy, 70F
Testing Location:	Landfill / Lagoon 1	**Page:**	3 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0624GF	0802GF	2 in Gravel	0721CS-C	
Corrected Maximum Dry Density, pcf	126.0	114.0	134.5	132.5	
Corrected Optimum Moisture Content, %	9.5	12.5	8.0	8.0	

Field Compaction Test Results

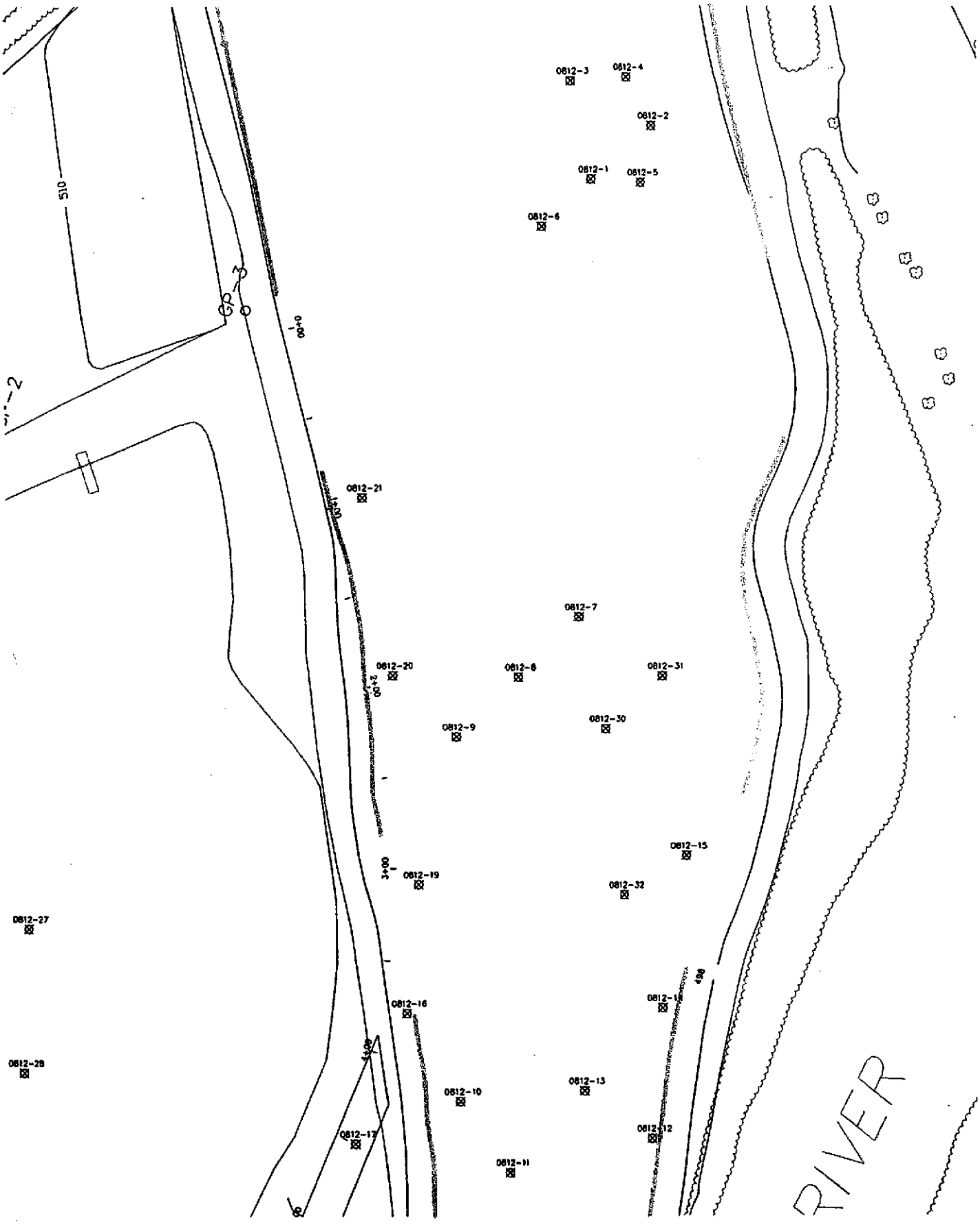
Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0812-25	—	7	129.4	97.7	0721CS-C	
0812-26	—	6	127.6	96.3	0721CS-C	
0812-27	—	7	131.3	99.1	0721CS-C	
0812-28	—	7	128.7	97.1	0721CS-C	
0812-29	—	5	128.6	97.1	0721CS-C	
0812-30	—	9	116.5	94.0	0624GF	
0812-31	—	10	130.1	103	0624GF	
0812-32	—	9	131.0	104	0624GF	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Larry Peirce	On-Site:	10:00 AM	Mileage:	238 miles
		Off-Site:	1:00 PM	Travel Time:	6 hours



FIELD DENSITY TESTING - 08/12/04

LAGOON BACKFILL (GENERAL FILL AND ROAD GRAVEL)

FIELD DENSITY TESTING - 08/12/04

LANDFILL - COVER SOIL AND CRUSHED GRAVEL

Transmittal of Documents for Acceptance by EPA*

Date: 09/09/04

Transmittal No. 85

Specification Section: 02316

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Crushed Gravel, Cover Soil and General Fill Density Testing 08/17/04	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 85

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting
express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/17/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 80F
Testing Location:	Landfill / Lagoon 1	**Page:**	1 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 in Gravel -1	0721CS-C	WR#8	0729GF	0802GF
Corrected Maximum Dry Density, pcf	134.5	132.5	118.5	126.5	114
Corrected Optimum Moisture Content, %	8.0	8.0	12.0	9.0	12.5

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0817-01	Landfill Slope	5	134.3	101	2 in Gravel -1	Lift 1
0817-02	Landfill Slope	4	134.5	100	2 in Gravel -1	Lift 1
0817-03	Landfill Top	8	132.9	100	0721CS-C	Lift 4
0817-04	Landfill Top	9	128.7	97.1	0721CS-C	Lift 4
0817-05	Landfill Top	8	134.2	101	0721CS-C	Lift 3
0817-06	Landfill Top	8	131.8	99.5	0721CS-C	Lift 3
0817-07	Landfill Top	9	131.9	99.5	0721CS-C	Lift 2
0817-08	Landfill Top	8	136.7	103	0721CS-C	Lift 2
0817-09	Landfill Top	8	135.3	102	0721CS-C	Lift 2
0817-10	Landfill Top	7	134.7	102	0721CS-C	Lift 2
0817-11	Landfill Top	8	124.9	94.3	0721CS-C	Lift 3
0817-12	Landfill Top	8	129.5	97.7	0721CS-C	Lift 3

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-270	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Ryan Drefus	On-Site:	2:00 PM	Mileage:	238 miles
		Off-Site:	5:00 PM	Travel Time:	6 hours

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/17/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 80F
Testing Location:	Landfill / Lagoon 1	**Page:**	2 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 In Gravel -1	0721CS-C	WR#8	0729GF	0802GF
Corrected Maximum Dry Density, pcf	134.5	132.5	118.5	126.5	114
Corrected Optimum Moisture Content, %	8.0	8.0	12.0	9.0	12.5

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0817-13	Landfill Top	8	124.7	94.1	0721CS-C	Lift 3
0817-14	Landfill Top	8	126.2	95.2	0721CS-C	Lift 3
0817-15	Landfill Top	7	125.2	94.5	0721CS-C	Lift 3
0817-16	Landfill Top	8	126.4	95.4	0721CS-C	Lift 3
0817-17	Landfill Top	8	138.5	103	0721CS-C	Lift 3
0817-18	Landfill Top	8	128.9	97.3	0721CS-C	Lift 3
0817-19	Landfill Top	10	125.8	94.9	0721CS-C	Lift 4
0817-20	Landfill Top	7	125.4	94.6	0721CS-C	Lift 4
0817-21	Landfill Top	6	127.6	96.3	0721CS-C	Lift 4
0817-22	Landfill Top	6	131.5	99.2	0721CS-C	Lift 1
0817-23	Landfill Top	8	129.9	98.0	0721CS-C	Lift 1
0817-24	Landfill Top	8	122.1	92.2	0721CS-C	Lift 1

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-270	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Ryan Drefus	On-Site:	2:00 PM	Mileage:	238 miles
		Off-Site:	5:00 PM	Travel Time:	6 hours

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/17/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 80F
Testing Location:	Landfill / Lagoon 1	**Page:**	3 of 3

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 in Gravel -1	0721CS-C	WR#8	0729GF	0802GF
Corrected Maximum Dry Density, pcf	134.5	132.5	118.5	126.5	114
Corrected Optimum Moisture Content, %	8.0	8.0	12.0	9.0	12.5

Field Compaction Test Results

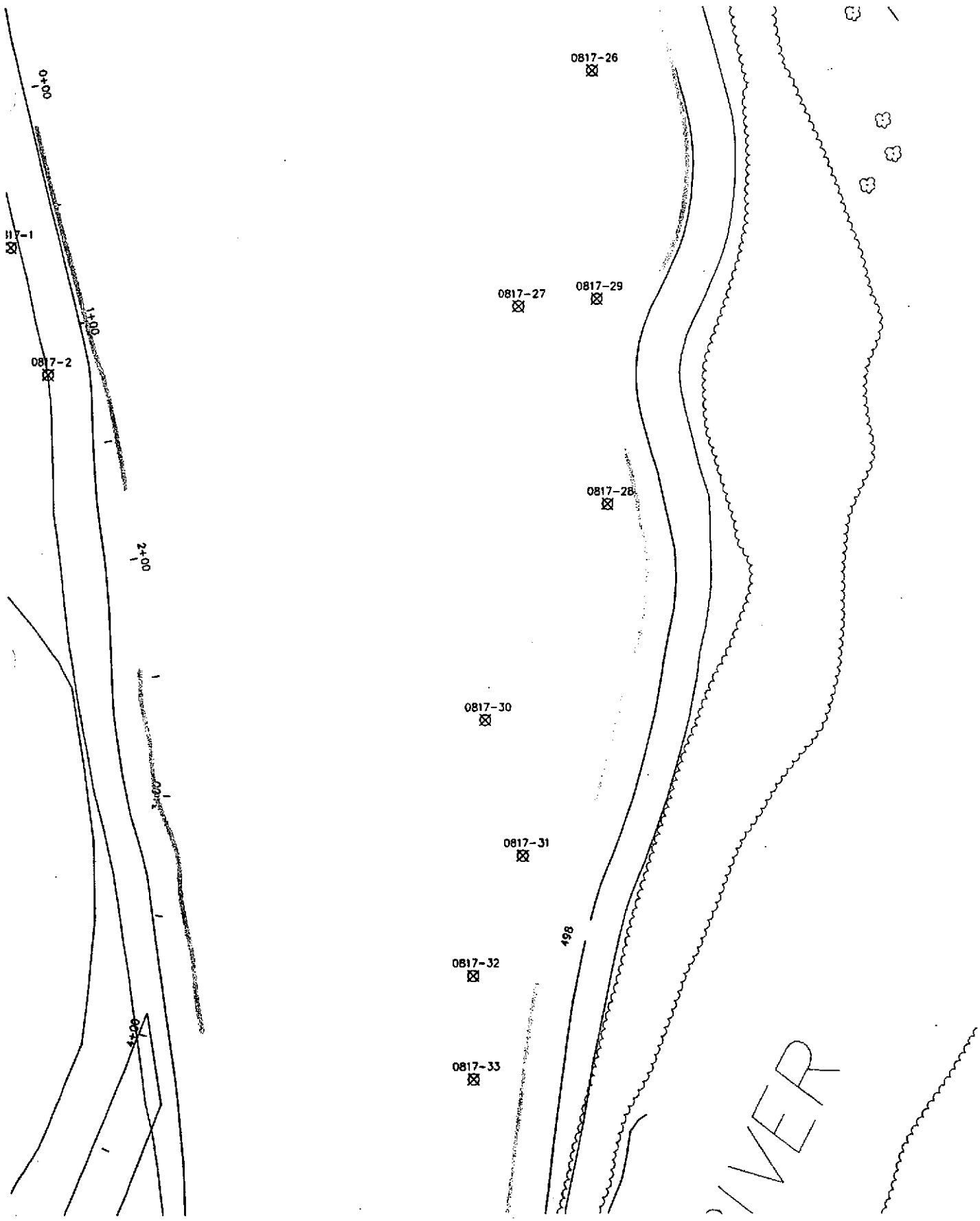
Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0817-25	Landfill Top	8	134.8	100	2 in Gravel -1	Lift 1
0817-26	Lagoon	18	108.9	91.9	WR#8	Lift 5
0817-27	Lagoon	15	112.3	94.8	WR#8	Lift 5
0817-28	Lagoon	16	110.3	93.1	WR#8	Lift 5
0817-29	Lagoon	17	111.8	94.3	WR#8	Lift 5
0817-30	Lagoon	7	111.7	98.0	0802GF	Lift 5
0817-31	Lagoon	9	127.2	101	0729GF	Lift 6
0817-32	Lagoon	6	118.9	94.0	0729GF	Lift 6
0817-33	Lagoon	3	126.2	99.8	0729GF	Lift 6

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-270	—

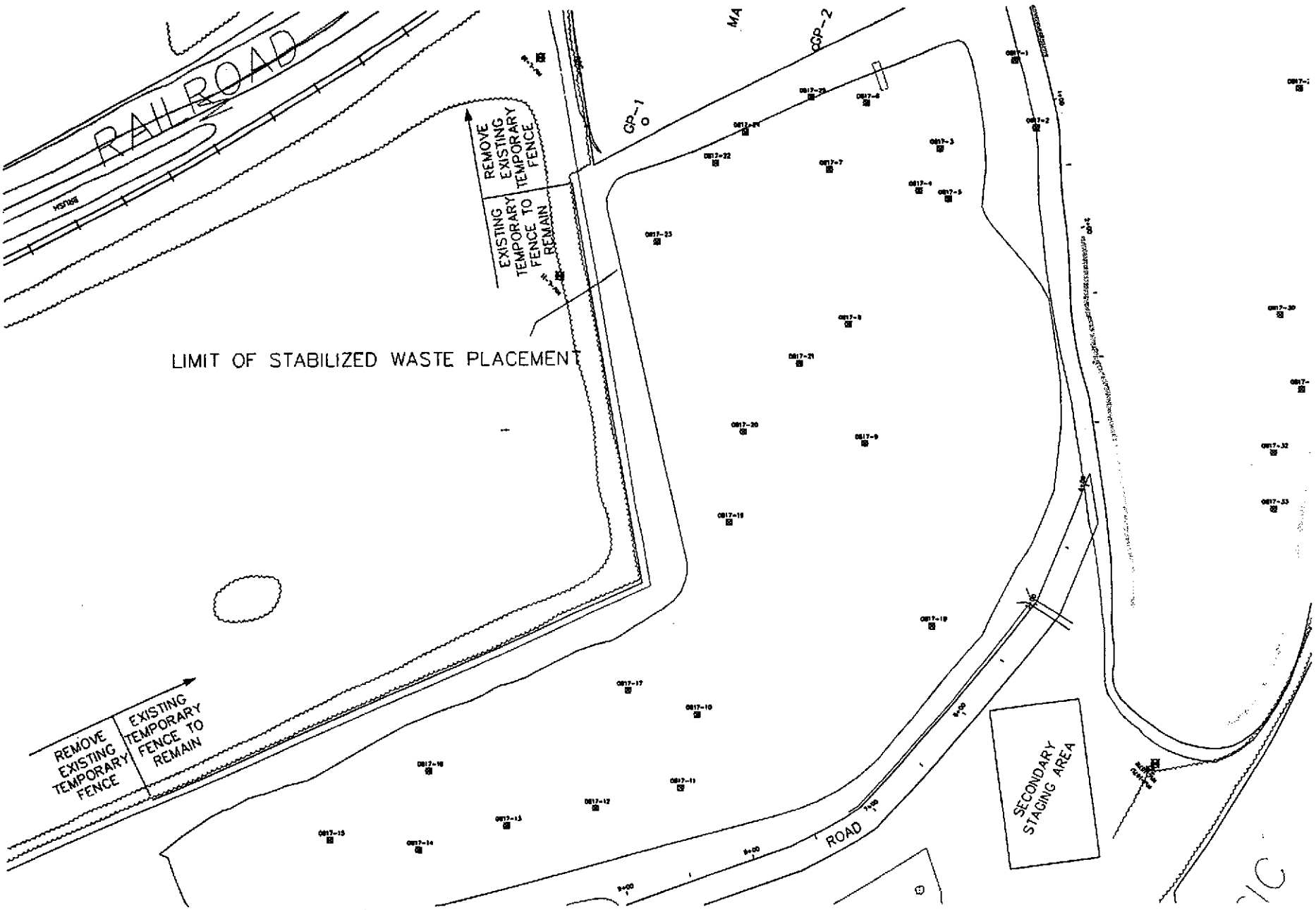
Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Ryan Drefus	On-Site:	2:00 PM	Mileage:	238 miles
		Off-Site:	5:00 PM	Travel Time:	6 hours



FIELD DENSITY TESTING - 08/17/04

LAGOON BACKFILL (GENERAL FILL)



FIELD DENSITY TESTING - 08/17/04

LANDFILL - COVER SOIL AND CRUSHED GRAVEL

Transmittal of Documents for Acceptance by EPA*

Date: **09/09/04**

Transmittal No. **86**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Cover Soil and General Fill Density Testing 08/26/04	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 86

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/26/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 90F
Testing Location:	Landfill / Lagoon 1	**Page:**	1 of 4

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 In Gravel -1	0721CS-C	WR#8	0729GF	0802GF
Corrected Maximum Dry Density, pcf	134.5	132.5	118.5	126.5	114
Corrected Optimum Moisture Content, %	8.0	8.0	12.0	9.0	12.5

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0826 - 01	Landfill Top	6	129.9	98.0	0721CS-C	Lift 4
0826 - 02	Landfill Top	6	130.2	98.3	0721CS-C	Lift 4
0826 - 03	Landfill Top	7	128.0	96.6	0721CS-C	Lift 4
0826 - 04	Landfill Top	8	127.0	95.8	0721CS-C	Lift 4
0826 - 05	Landfill Top	6	127.7	96.4	0721CS-C	Lift 4
0826 - 06	Landfill Top	6	131.5	99.2	0721CS-C	Lift 4
0826 - 07	Landfill Top	6	131.7	99.4	0721CS-C	Lift 4
0826 - 08	Landfill Top	6	130.2	98.3	0721CS-C	Lift 4
0826 - 09	Landfill Top	7	130.6	98.6	0721CS-C	Lift 4
0826 - 10	Landfill Top	7	128.3	96.8	0721CS-C	Lift 4
0826 - 11	Landfill Top	6	134.1	101	0721CS-C	Lift 4
0826 - 12	Landfill Top	6	130.0	98.1	0721CS-C	Lift 4

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-382	---

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Marc Hebert	On-Site:	9:30 AM	Mileage:	238 miles
		Off-Site:	1:30 PM	Travel Time:	6 hours

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/26/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 90F
Testing Location:	Landfill / Lagoon 1	**Page:**	2 of 4

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 in Gravel -1	0721CS-C	WR#8	0729GF	0802GF
Corrected Maximum Dry Density, pcf	134.5	132.5	118.5	126.5	114
Corrected Optimum Moisture Content, %	8.0	8.0	12.0	9.0	12.5

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0826 - 13	Landfill Top	6	131.9	99.5	0721CS-C	Lift 4
0826 - 14	Landfill Top	7	132.4	99.9	0721CS-C	Lift 4
0826 - 15	Landfill Top	7	129.7	97.9	0721CS-C	Lift 4
0826 - 16	Landfill Top	7	125.0	94.3	0721CS-C	Lift 4
0826 - 17	Landfill Top	6	130.5	98.5	0721CS-C	Lift 4
0826 - 18	Landfill Top	7	132.6	100	0721CS-C	Lift 4
0826 - 19	Landfill Top	6	131.8	99.5	0721CS-C	Lift 4
0826 - 20	Landfill Top	6	124.7	94.1	0721CS-C	Lift 4
0826 - 21	Landfill Top	6	125.8	94.9	0721CS-C	Lift 4
0826 - 22	Landfill Top	6	130.8	98.7	0721CS-C	Lift 4
0826 - 23	Landfill Top	7	133.0	100	0721CS-C	Lift 4
0826 - 24	Landfill Top	6	126.7	95.6	0721CS-C	Lift 4

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-382	---

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Marc Hebert	On-Site:	9:30 AM	Mileage:	238 miles
		Off-Site:	1:30 PM	Travel Time:	6 hours

GeoTesting
express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/26/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 90F
Testing Location:	Landfill / Lagoon 1	**Page:**	3 of 4

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 in Gravel -1	0721CS-C	WR#8	0729GF	0802GF
Corrected Maximum Dry Density, pcf	134.5	132.5	116.5	126.5	114
Corrected Optimum Moisture Content, %	8.0	8.0	12.0	9.0	12.5

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0826 - 25	Landfill Top	5	128.0	95.1	0721CS-C	Lift 4
0826 - 26	Landfill Top	5	129.7	97.9	0721CS-C	Lift 4
0826 - 27	Landfill Top	6	122.5	92.5	0721CS-C	Lift 4
0826 - 28	Landfill Top	6	126.6	95.5	0721CS-C	Lift 4
0826 - 29	Lagoon 1	8	126.5	100	0729GF	Lift 9
0826 - 30	Lagoon 1	5	129.5	102	0729GF	Lift 9
0826 - 31	Lagoon 1	5	131.4	104	0729GF	Lift 9
0826 - 32	Lagoon 1	15	109.6	92.5	WR#8	Lift 6
0826 - 33	Lagoon 1	16	108.5	91.6	WR#8	Lift 6
0826 - 34	Lagoon 1	8	105.2	92.3	0802GF	Lift 6
0826 - 35	Lagoon 1	6	120.2	95.0	0729GF	Lift 7
0826 - 36	Lagoon 1	7	121.3	95.9	0729GF	Lift 7

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-382	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Marc Hebert	On-Site:	9:30 AM	Mileage:	238 miles
		Off-Site:	1:30 PM	Travel Time:	6 hours

GeoTesting express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	8/26/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 90F
Testing Location:	Landfill / Lagoon 1	**Page:**	4 of 4

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 in Gravel -1	0721CS-C	WR#8	0729GF	0802GF
Corrected Maximum Dry Density, pcf	134.5	132.5	118.5	126.5	114
Corrected Optimum Moisture Content, %	8.0	8.0	12.0	9.0	12.5

Field Compaction Test Results

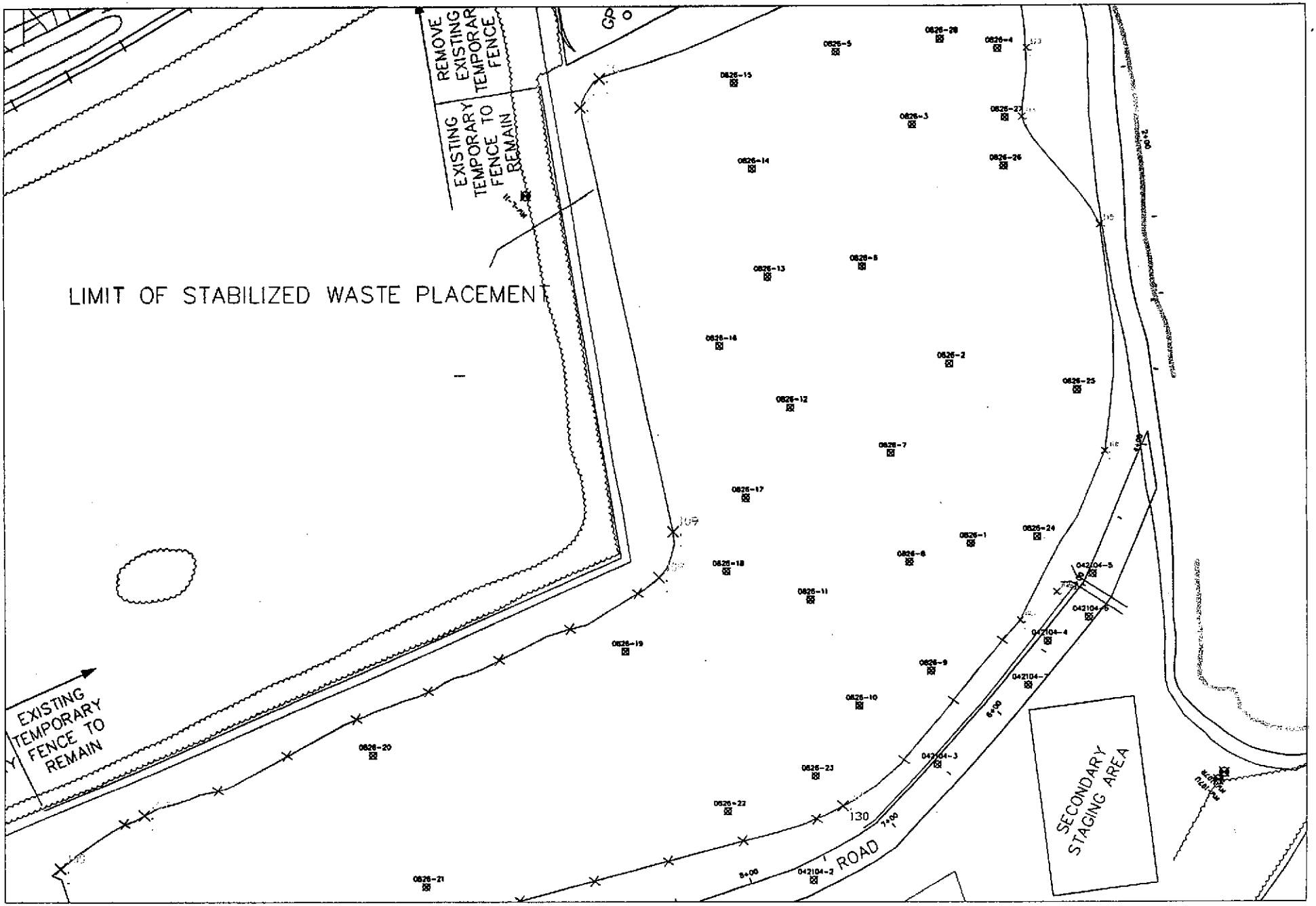
Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0826 - 37	Lagoon 1	7	121.9	96.4	0729GF	Lift 8
0826 - 38	Lagoon 1	11	122.8	97.1	0729GF	Lift 8
0826 - 39	Lagoon 1	7	123.3	97.5	0729GF	Lift 7
0826 - 40	Lagoon 1	7	131.9	104	0729GF	Lift 7
0826 - 41	Lagoon 1	8	113.1	99.2	0802GF	Lift 8
0826 - 42	Lagoon 1	8	119.2	94.2	0729GF	Lift 8
0826 - 43	Lagoon 1	4	110.5	96.9	0802GF	Lift 8
0826 - 44	Lagoon 1	3	105.9	92.9	0802GF	Lift 8
0826 - 45	Lagoon 1	9	116.6	92.2	0729GF	Lift 8
0826 - 46	Lagoon 1	6	113.5	99.6	0802GF	Lift 8

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-382	—

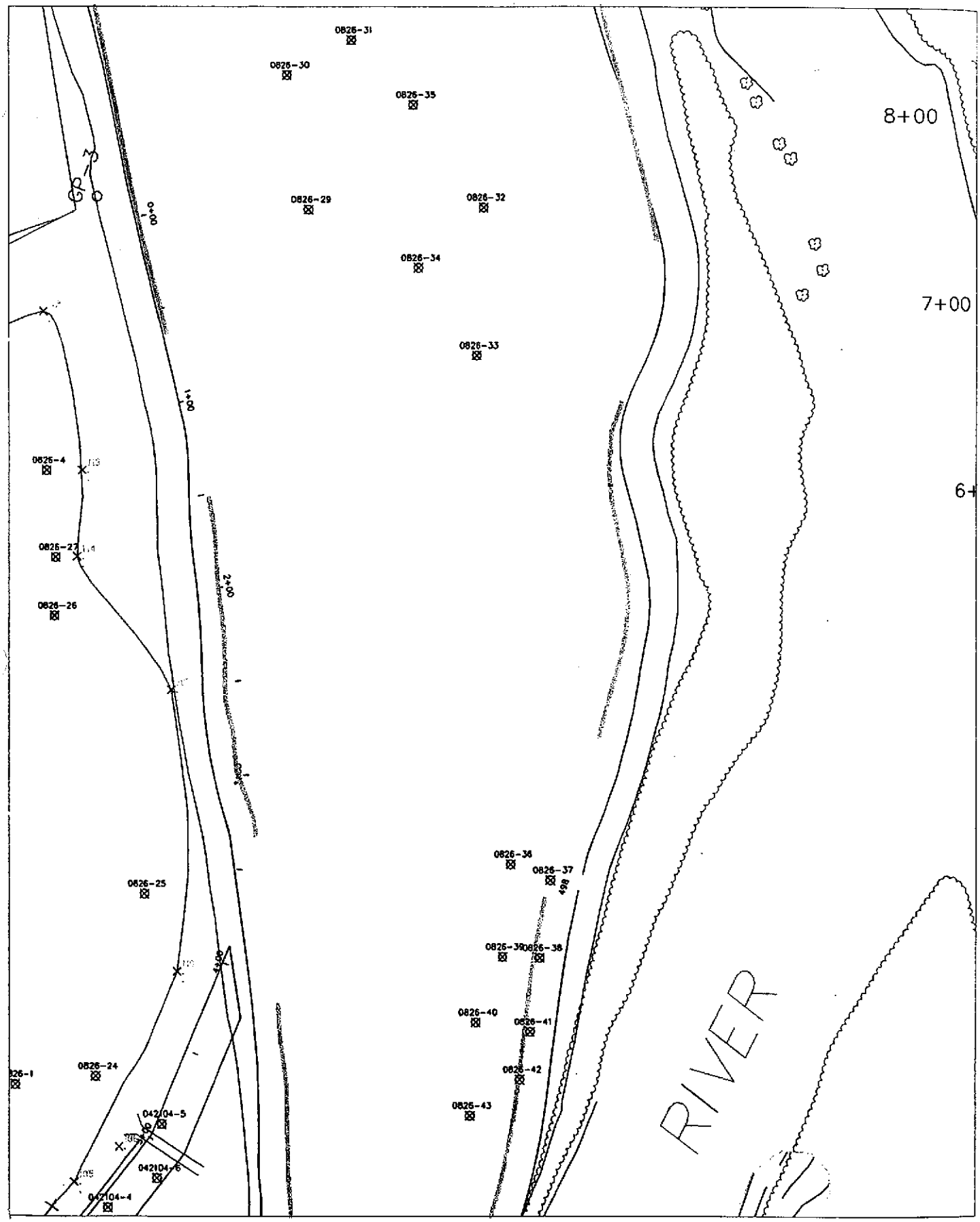
Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Marc Hebert	On-Site:	9:30 AM	Mileage:	238 miles
		Off-Site:	1:30 PM	Travel Time:	6 hours



FIELD DENSITY TESTING - 08/26/04

LANDFILL - COVER SOIL



FIELD DENSITY TESTING - 08/26/04

LAGOON BACKFILL (GENERAL FILL)

Transmittal of Documents for Acceptance by EPA*

Date: **09/28/04**

Transmittal No. **94**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Road Gravel and Crushed Gravel Density Testing 09/23/04	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 94

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting
express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	9/23/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny 70's
Testing Location:	Access Road	**Page:**	1 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 in Gravel -1	0825RG			
Corrected Maximum Dry Density, pcf	134.5	134.5			
Corrected Optimum Moisture Content, %	8.0	3.0			

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0923-1	Access Rd 9/23-1	6	128.4	95.5	0825RG	
0923-2	Access Rd 9/23-2	6	130.6	97.1	0825RG	
0923-3	Access Rd 9/23-3	5	130.1	96.7	0825RG	
0923-4	Access Rd 9/23-4	6	128.2	95.3	0825RG	
0923-5	Access Rd 9/23-5	5	128.3	95.4	0825RG	
0923-6	Access Rd 9/23-6	5	127.8	95.0	0825RG	
0923-7	Access Rd 9/23-7	5	129.7	96.5	0825RG	
0923-8	Access Rd 9/23-8	5	128.2	95.3	0825RG	
0923-9	Access Rd 9/23-9	6	130.5	97.0	0825RG	
0923-10	Access Rd 9/23-10	6	131.5	97.8	0825RG	
0923-11	Access Rd 9/23-11	6	132.6	98.6	2 in Gravel 1	
0923-12	Access Rd 9/23-12	4	134.5	100	2 in Gravel 1	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

Notes: 2 inch depth tested unless noted otherwise.

Field Monitor: Mr. Mike Driscoll

On-Site:	12:00 PM	Mileage:	238 miles
Off-Site:	3:00 PM	Travel Time:	6 hours

GeoTesting
express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	9/23/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny 70's
Testing Location:	Access Road	**Page:**	2 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	2 in Gravel -1				
Corrected Maximum Dry Density, pcf	134.5				
Corrected Optimum Moisture Content, %	8.0				

Field Compaction Test Results

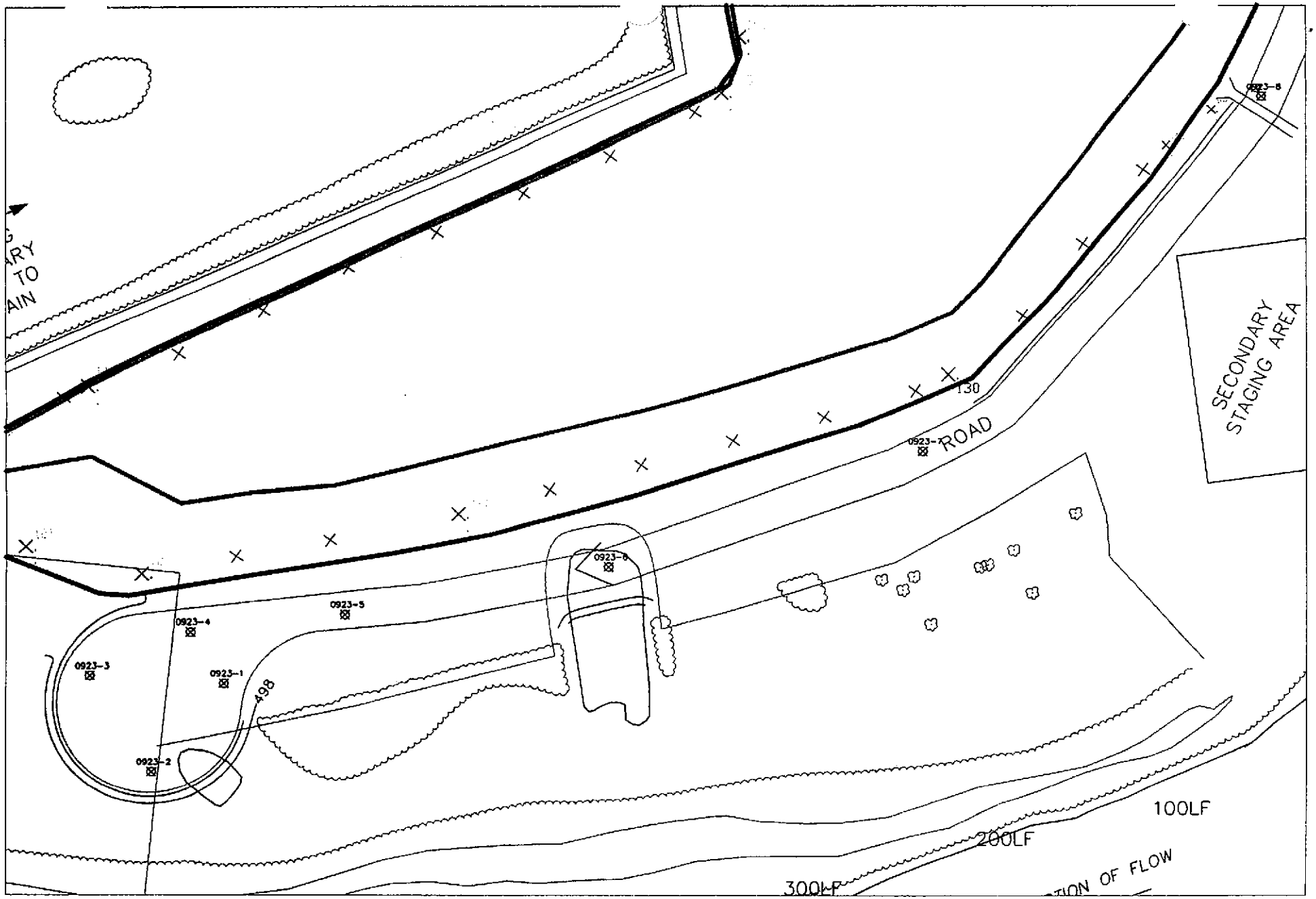
Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0923-13	Access Rd 9/23-13	4	134.8	100	2 in Gravel -1	
0923-14	Access Rd 9/23-14	5	129.8	96.5	2 in Gravel -1	
0923-15	Access Rd 9/23-15	6	135.1	101	2 in Gravel -1	
0923-16	Access Rd 9/23-16	5	134.8	97.7	2 in Gravel -1	
0923-17	Access Rd 9/23-17	4	131.4	100	2 in Gravel -1	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	—

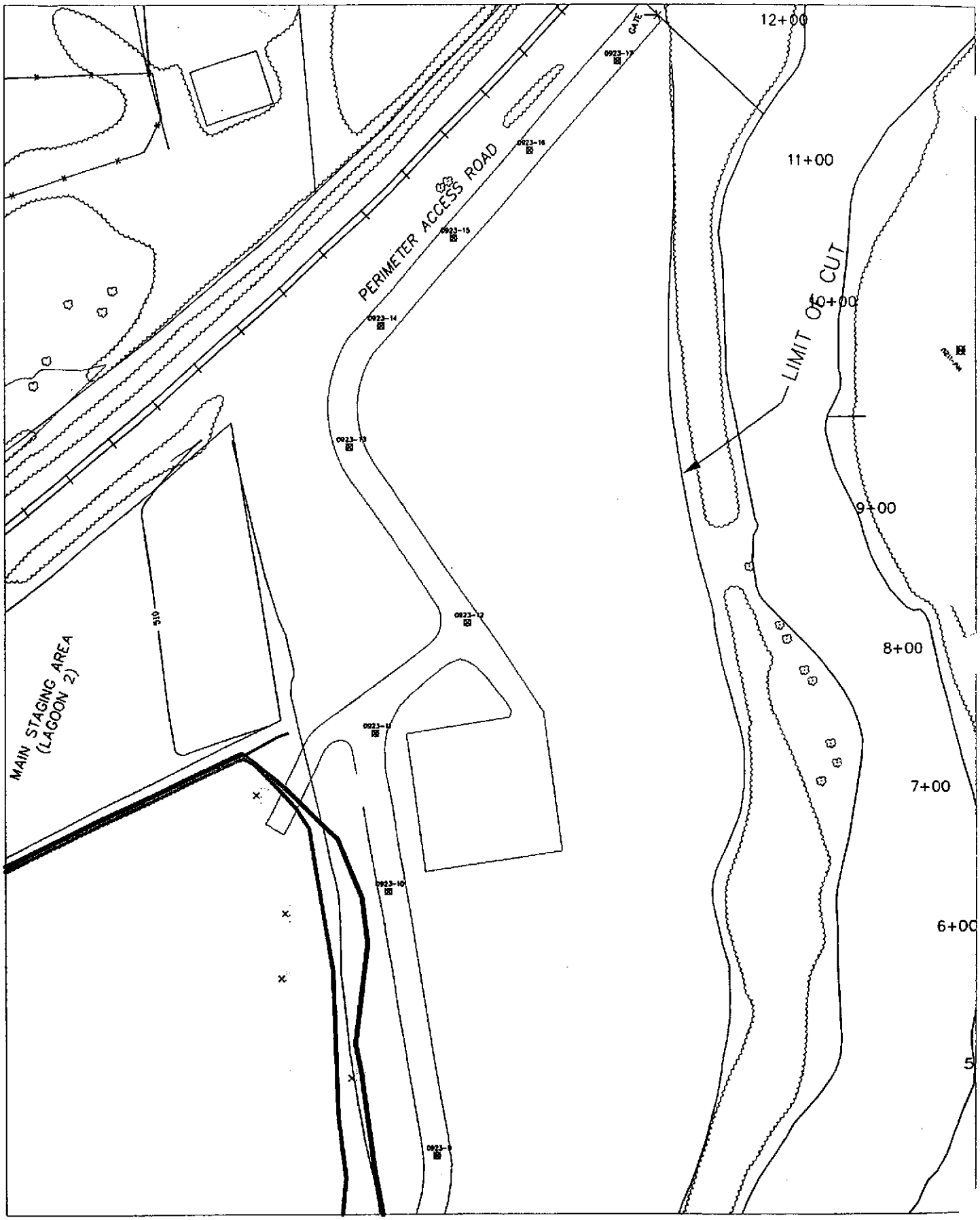
Notes: 2 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Mike Driscoll	On-Site:	12:00 PM	Mileage:	238 miles
		Off-Site:	3:00 PM	Travel Time:	6 hours



FIELD DENSITY TESTING - 09/23/04

ACCESS ROAD (ROAD GRAVEL AND CRUSHED GRAVEL)



FIELD DENSITY TESTING - 09/23/04

ACCESS ROAD (ROAD GRAVEL & CRUSHED GRAVEL)

Transmittal of Documents for Acceptance by EPA* Date: **09/28/04** Transmittal No. **95**

Specification Section: **02316**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
1.04.D	Field Density Report		
	Density Testing 09/16/04	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 95

*For use by the contractor when submitting a deliverable to the RPM/WAM.

jodf\MT\04009\04009 TRA 51-043-32B_2 =95

51-043-32B(2)

GeoTesting
express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	9/16/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 75 F
Testing Location:	Landfill / Lagoon 1	**Page:**	1 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0817 GF	0726 GF	2" Gravel -1		
Corrected Maximum Dry Density, pcf	120.0	136.0	134.5		
Corrected Optimum Moisture Content, %	10.5	8.0	8.0		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0916 - 01	Lagoon	4	116.8	97.3	0817 GF	
0916 - 02	Lagoon	5	118.7	98.9	0817 GF	
0916 - 03	Lagoon	8	123.6	103	0817 GF	
0916 - 04	Lagoon	5	110.9	92.4	0817 GF	
0916 - 05	Lagoon	6	120.8	101	0817 GF	
0916 - 06	Lagoon	3	115.5	96.3	0817 GF	
0916 - 07	Lagoon	6	113.6	94.7	0817 GF	
0916 - 08	Lagoon	4	119.2	99.3	0817 GF	
0916 - 09	Lagoon	3	111.1	92.6	0817 GF	
0916 - 10	Lagoon	4	111.1	92.6	0817 GF	
0916 - 11	Lagoon	4	114.5	95.4	0817 GF	
0916 - 12	Lagoon	5	119.2	99.3	0817 GF	

Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-382	—

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor:	Mr. Steve Seat	On-Site:	11:00 AM	Mileage:	238 miles
		Off-Site:	1:00 PM	Travel Time:	6 hours

GeoTesting
express

Field Density Test Report

Client:	Maxymillian	**Project #:**	GTX-5150
Project Name:	North Pownal Tannery	**Date:**	9/16/2004
Project Location:	North Pownal, VT	**Weather:**	Sunny, 75F
Testing Location:	Landfill / Lagoon 1	**Page:**	2 of 2

Reference Laboratory Compaction Characteristics (ASTM D 698)

Sample ID	0817 GF	0726 GF	2" Gravel -1		
Corrected Maximum Dry Density, pcf	120.0	136.0	134.5		
Corrected Optimum Moisture Content, %	10.5	8.0	8.0		

Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
0916 - 13	Lagoon	9	130.7	96.1	0726 GF	
0916 - 14	Lagoon	5	119.9	99.9	0817 GF	
0916 - 15	Lagoon	7	115.6	96.3	0817 GF	
0916 - 16	Lagoon	7	124.9	104	0817 GF	
0916 - 17	Lagoon	6	118.0	98.3	0817 GF	
0916 - 18	Lagoon	8	132.7	97.6	0726 GF	
0916 - 19	Lagoon	6	139.2	103	2" Gravel -1	
0916 - 20	Lagoon	4	130.0	96.7	2" Gravel -1	
0916 - 21	Lagoon	4	132.8	98.7	2" Gravel -1	

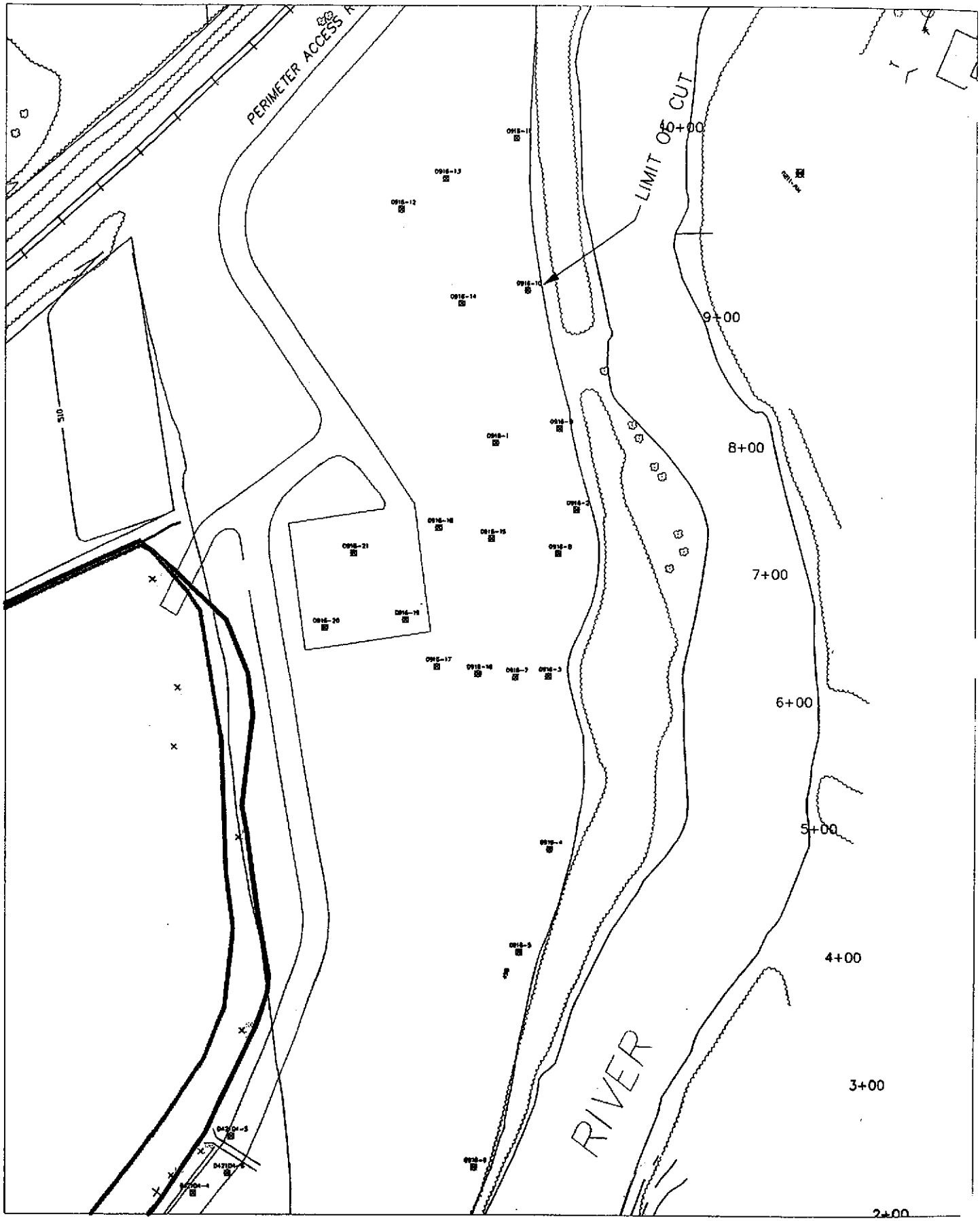
Methods and Equipment

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman A-382	---

Notes: 6 inch depth tested unless noted otherwise.

Field Monitor: Mr. Steve Seat

On-Site:	11:00 AM	Mileage:	238 miles
Off-Site:	1:00 PM	Travel Time:	6 hours



FIELD DENSITY TESTING - 09/16/04

LAGOON BACKFILL (GENERAL FILL & CRUSHED GRAVEL)

STABILIZED SLUDGE STRENGTH DATA
Unconfined Compressive Strength and Direct Shear Test

Summary of Stabilized Sludge Strength Testing

Unconfined Compression Test		Direct Shear Test	
Sample ID	Compressive Strength, psi	Sample ID	Max. Shear Stress, psf
TS0406-8	7.7	DS-3	647.39
TS0406-9	5.3	DS-4	965.2
TS0406-11	4 (1)	DS-5	899.32
0406SS-Mold	6.1	DS-6	1204.1
TS-0611-7A	1.6 (1)	DS-7	652.46
TS0611-8A	3.7 (1)	DS-8	905.28
TS0611-9A	5.6	DS-9	939.29
TS0611-10A	3.7 (2)	DS-10	888.27
TS0611-11A	7.6	DS-11	503.28
TS0611-21A	(2)	DS-12	597.58
TS0622-1	14.8	DS-13	778.82
TS0622-2	18.8	DS-14	1008.1
TS0622-3	8.6	DS-15	664.67
TS0622-4	8.9	DS-16	897.99
TS0622-5	5.3	DS-17	670.51
TS0622-6	5.9	DS-18	1064
TS0622-7	9.3	DS-19	1300.4
TS0624-14A	4.9 (1)	DS-20	729.97
TS0624-15A	5.5	DS-21	653.53
TS0624-18A	6		
TS0624-11A	3.4 (1)		
TS0624-10%	6.4 (1)		
TS0624-12%	5.4 (1)		
624-12%	47.1		
624-12%	41.5		
TS0628-08	6.9		
TS0628-09	9.8		
TS0628-14	5.3		
TS0630-14A	1.8 (1)		
TS0630-15A	2.4 (1)		
TS0630-14B	4.4		
TS0630-15B	7		
TS0702-6A	5.8		
TS0702-7A	1.3 (1)		
TS0702-8A	5.1		
TS0707-1A	1.9 (1)		
TS0707-2A	(2)		
TS0707-3A	6.1		
TS0707-4A	4.8		
TS0707-5A	2.8 (1)		
TS0709-7A	7.6		
TS0709-8A	6.7		
TS0709-9A	5.2		
TS0709-10A	2.9 (1)		

(1) = Sample observed to be noncohesive.
(2) = Sample observed to be noncohesive and could not be tested.

Transmittal of Documents for Acceptance by EPA*

Date: **06/30/04**

Transmittal No. **42**

Specification Section: **02343**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
3.08.A	Sludge Stabilization		
	Confirmation Testing of Stabilized Material	2	
	Direct Shear ASTM D 3080		
	Test dates 6/4/ and 6/10/04		
	Unconfined Compressive Strength, ASTM D2166 & D1633	2	
	Test dates 6/4, 6/11,6/22 and 6/24/04		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 42

*For use by the contractor when submitting a deliverable to the RPM/WAM.

ASTM D 2166 - Unconfined Compressive Strength of Cohesive Soils

Client: Maxymilian Technologies
Project Name: Phase II Remediation - Pownal Tannery Superfund Site
Project Location: Pownal, VT

GTX #: 5150
Report Date : 6/25/2004

Sample ID	Curing Age, days	Height, in	Diameter, in	Mass, g	Wet Bulk Density, lb/ft^3	Moisture Content, %	Strength, lbs	Compressive Strength, lb/in^2
TS0406-8	3	6.20	2.87	1054	99.9	70	49.6	7.7
TS0406-9	3	6.10	2.87	1049	101.1	35	34.2	5.3
TS0406-11[2]	3	6.10	2.87	1098	105.8	34	25.9	4.0
0406SS-Mold	4	4.60	4.00	1414	95.1	73	76.7	6.1
TS0611-7A[2]	3	5.90	2.87	894	89.0	60	10.6	1.6
TS0611-8A[2]	3	5.90	2.87	1083	107.9	38	24.1	3.7
TS0611-9A	3	6.00	2.87	1120	109.7	35	36.2	5.6
TS0611-10A[2]	3	6.00	2.87	904	88.5	87	24.0	3.7
TS0611-11A	3	6.00	2.87	982	96.2	52	49.3	7.6
TS0611-21A					See Note 1.			

Notes:

1. Horizontal gaps observed as sample removed from tube. Compressive test unable to be performed.
2. Extruded sample noted to be dry, non-cohesive, contained gravel, and exhibited large voids.

ASTM D 2166 - Unconfined Compressive Strength of Cohesive Soils

Client: Maxymillian Technologies
Project Name: Phase II Remediation - Pownal Tannery Superfund Site
Project Location: Pownal, VT

GTX #: 5150
Report Date : 6/29/2004

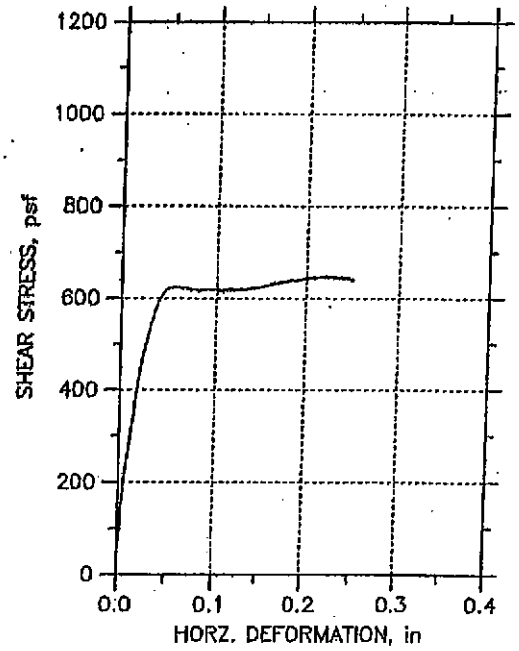
Sample ID	Curing Age, days	Height, in	Diameter, in	Mass, g	Wet Bulk Density, lb/ft^3	Moisture Content, %	Strength, lbs	Compressive Strength, lb/in^2
TS0622-1	6	5.95	2.87	913	90.2	74	96.0	14.8
TS0622-2	6	6.05	2.86	909	88.9	72	120.7	18.8
TS0622-3	6	6.00	2.85	913	90.7	52	55.0	8.6
TS0622-4	6	6.05	2.87	929	90.2	60	57.3	8.9
TS0622-5	6	6.05	2.87	1093	106.2	32	34.5	5.3
TS0622-6	6	6.00	2.85	1025	101.8	65	37.4	5.9
TS0622-7	6	6.10	2.87	813	78.3	108	60.3	9.3
TS0624-14A[2]	4	6.04	2.87	962	93.6	79	31.4	4.9
TS0624-15A	4	6.00	2.87	1129	110.6	34	35.8	5.5
TS0624-18A	4	6.00	2.87	920	90.1	75	38.7	6.0

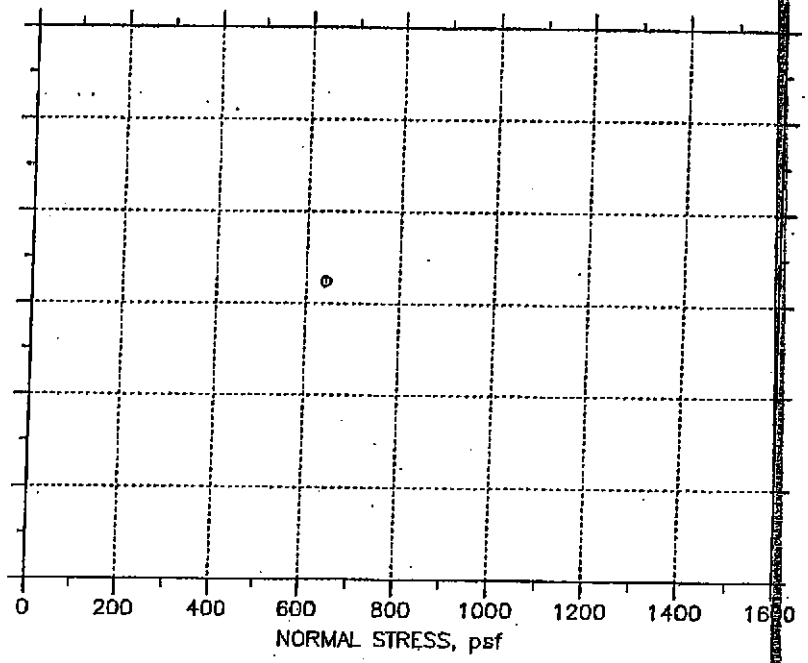
Comments: —

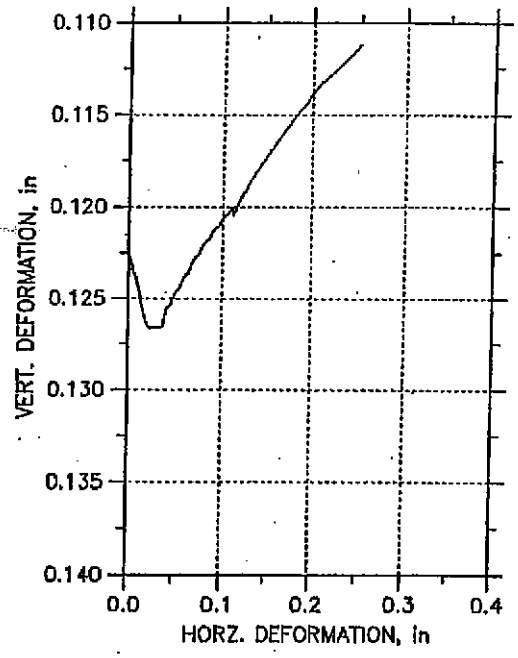
Notes:

1. Horizontal gaps observed as sample removed from tube. Compressive test unable to be performed.
2. Extruded sample noted to be dry, non-cohesive, contained gravel, and exhibited large voids.

DIRECT SHEAR TEST REPORT



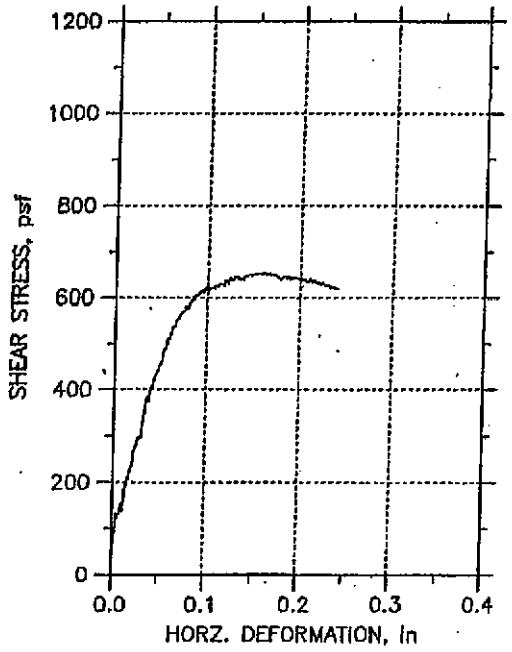


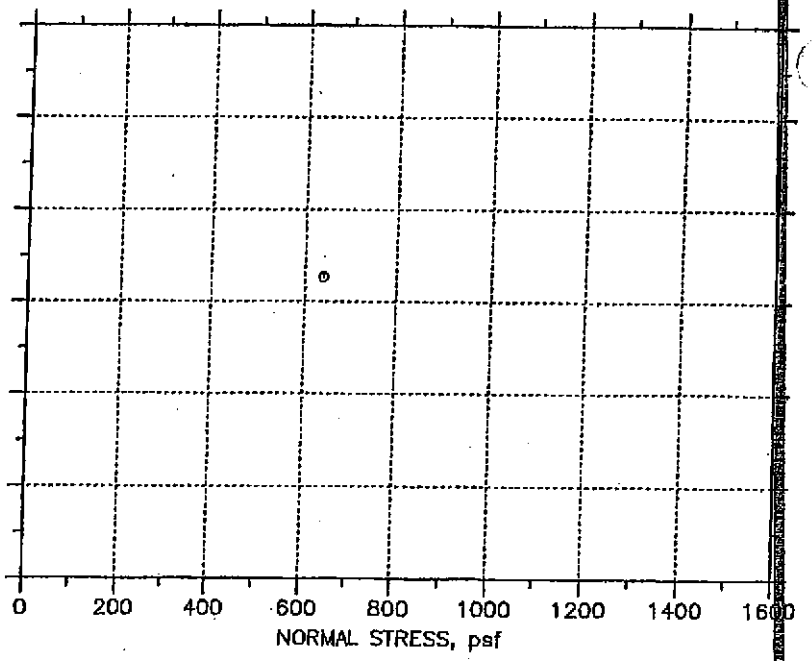


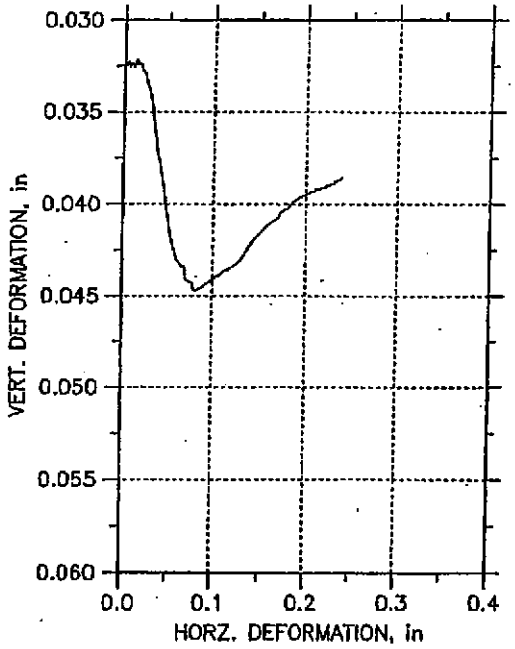
Symbol					
Test No.		ds 3			
Sample No.		0406ss-pail			
Shape		Circular			
Initial	Dimension, in	3			
	Area, in^2	7.0686			
	Height, in	1			
	Water Content, %	43.15			
	Dry Density, pcf	62.93			
	Saturation, %	84.41			
	Void Ratio	1.0633			
Consol. Height, in		0.87884			
Consol. Void Ratio		0.81328			
Final	Water Content, %	55.06			
	Dry Density, pcf	70.81			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		641.63			
Max. Shear Stress, psf		647.39			
Ult. Shear Stress, psf		639.65			
Time to Failure, min		581.02			
Disp. Rate, in/min		0.001			
Measured Specific Gravity		2.08			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery	
Location: Pownal, VT	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remolded	
Description: Moist, gray silty sand	
Remarks: Compacted to 90% of 69.0 pcf at 43.0% Moisture.	

DIRECT SHEAR TEST REPORT







Symbol					
Test No.		ds 7			
Sample No.		0410ss-A			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	45.00			
	Dry Density, pcf	60.93			
	Saturation, %	76.30			
	Void Ratio	1.3566			
Consol. Height, in		0.96724			
Consol. Void Ratio		1.2794			
Final	Water Content, %	54.23			
	Dry Density, pcf	63.37			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		642.08			
Max. Shear Stress, psf		652.46			
Ult. Shear Stress, psf		617.96			
Time to Failure, min		116			
Disp. Rate, in/min		0.001			
Estimated Specific Gravity		2.30			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

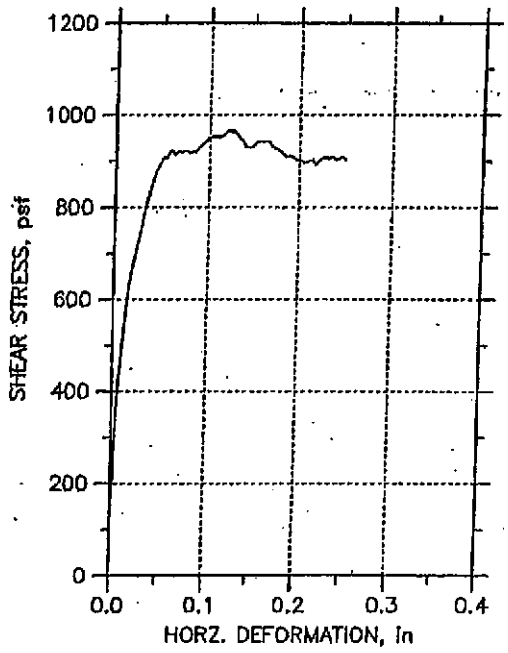
Project: Pownal Tannery	
Location: Pownal Vt	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remolded	

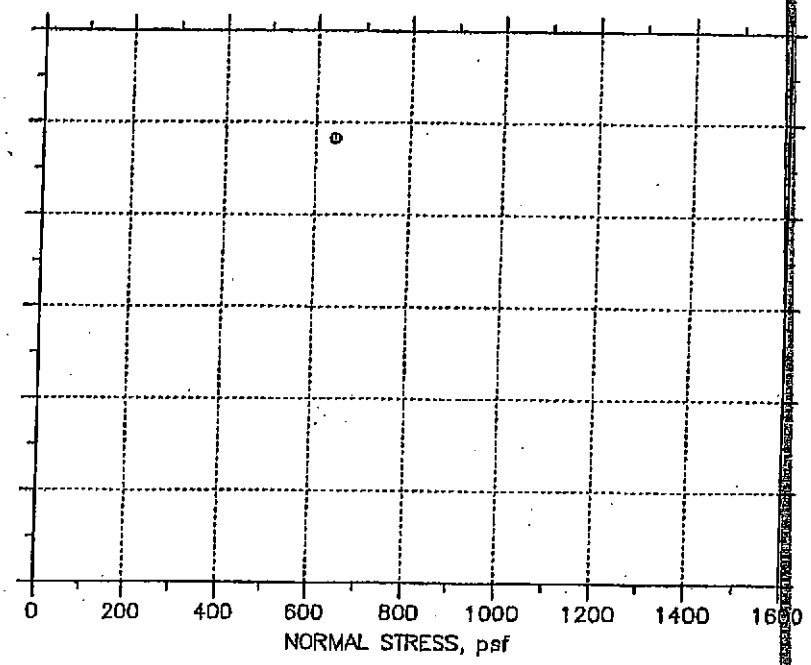
Description: Moist, gray silty sand

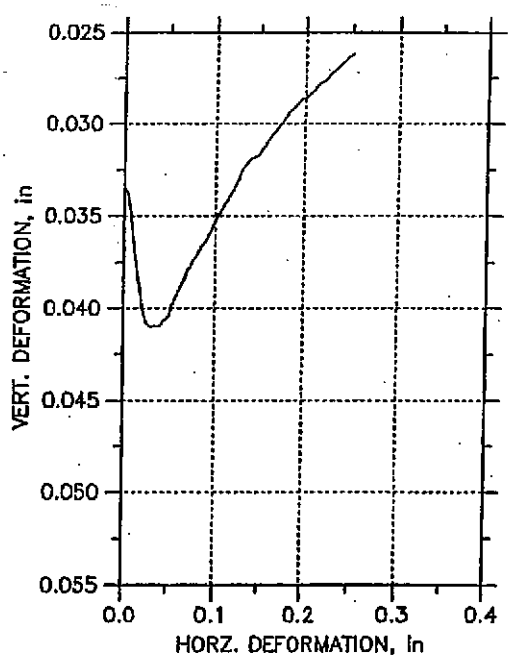
Remarks: Target Compaction: 90% of 67.0 pcf at 46.0% Moisture.

GeoTesting Express, Inc. • Boxborough, MA • (978) 635-0424 • Fax (978) 635-0266

DIRECT SHEAR TEST REPORT







Symbol					
Test No.		DS-4			
Sample No.		0410ss-B			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	36.16			
	Dry Density, pcf	67.75			
	Saturation, %	74.29			
	Void Ratio	1.1194			
Consol. Height, in		0.96859			
Consol. Void Ratio		1.0528			
Final	Water Content, %	46.42			
	Dry Density, pcf	69.57			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		640.63			
Max. Shear Stress, psf		965.2			
Ult. Shear Stress, psf		903.66			
Time to Failure, min		119			
Disp. Rate, in/min		0.001			
Estimated Specific Gravity		2.30			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery	
Location: Pownal Vt	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remolded	
Description: Moist, dark gray silt	
Remarks: Target Compaction: 90% of 74.0 pcf @ 38.5% moisture	

Transmittal of Documents for Acceptance by EPA*

Date: 07/12/04

Transmittal No. 42A

Specification Section: 02343

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
3.08.A	Sludge Stabilization		
	Confirmation Testing of Stabilized Material	2	
	Direct Shear ASTM D 3080		
	Test dates 06/17/04, 6/22/04		
	Unconfined Compressive Strength, ASTM D2166 & D1633		
	Test dates 6/24/04, 06/30/04		

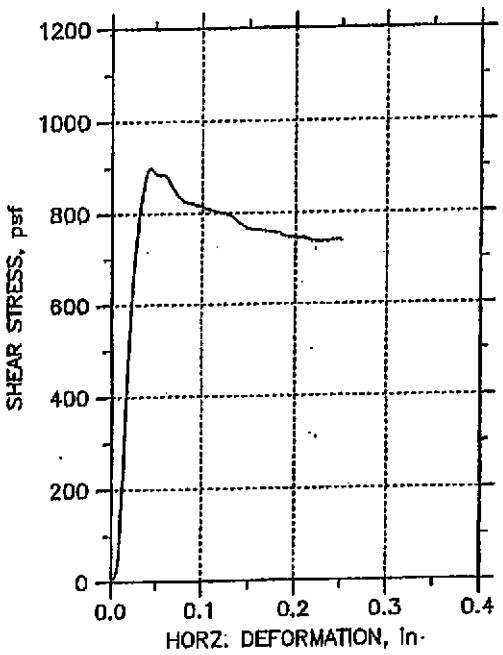
Acceptance Action

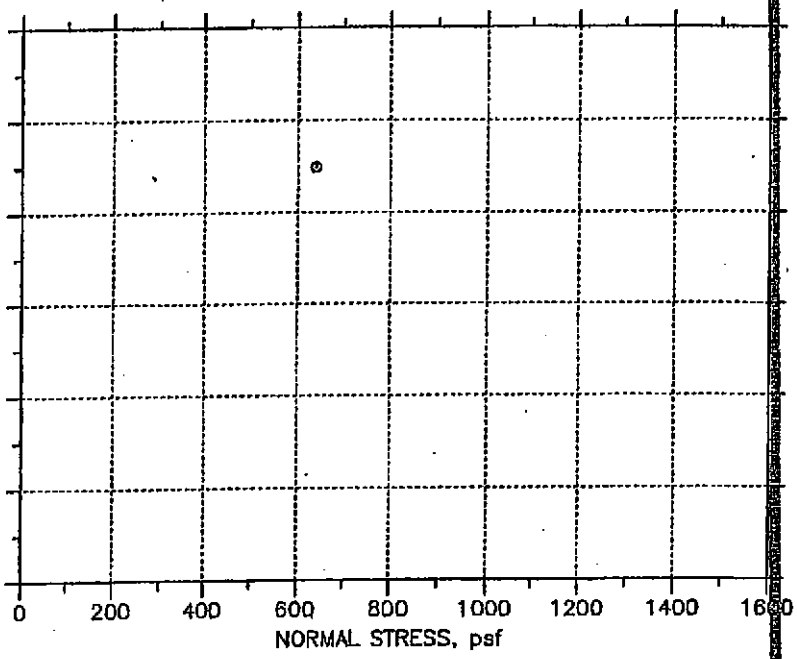
Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

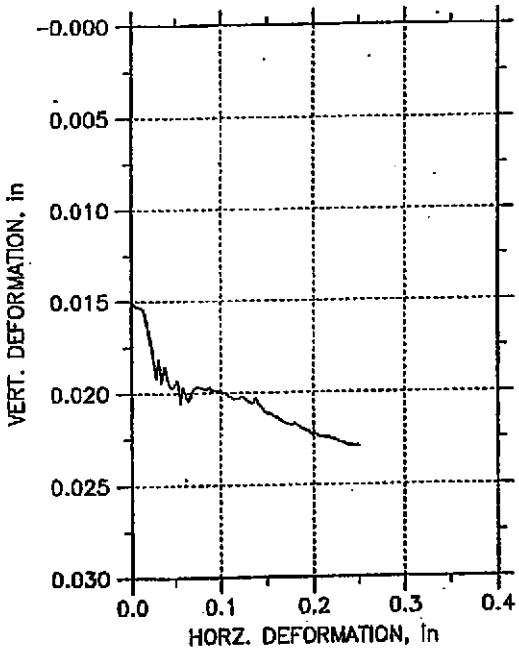
MT 42A

*For use by the contractor when submitting a deliverable to the RPM/WAM.

DIRECT SHEAR TEST REPORT







Symbol					
Test No.		DS-5			
Sample No.		0617ss-1			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	77.37			
	Dry Density, pcf	42.78			
	Saturation, %	78.52			
	Void Ratio	2.0791			
Consol. Height, in		0.98518			
Consol. Void Ratio		2.0335			
Final	Water Content, %	72.85			
	Dry Density, pcf	43.78			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		639.83			
Max. Shear Stress, psf		899.32			
Ult. Shear Stress, psf		738.55			
Time to Failure, min		47.001			
Disp. Rate, in/min		0.001			
Measured Specific Gravity		2.11			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery	
Location: Pownal VT	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remolded	
Description: Moist, very dark gray silty sand	
Remarks: Target Compaction: 90% of 47.0 pcf @ 79.0% moisture	

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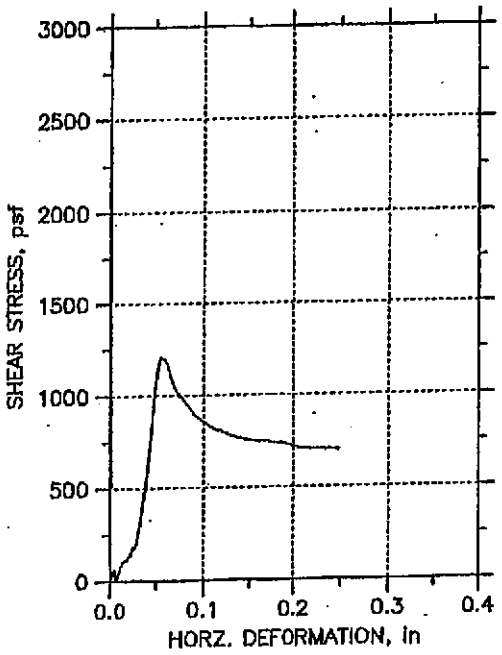
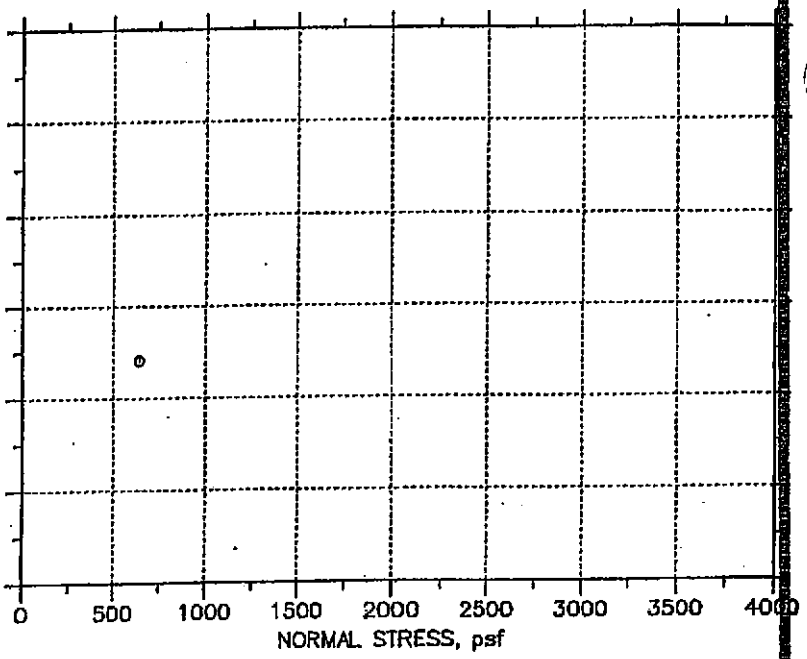
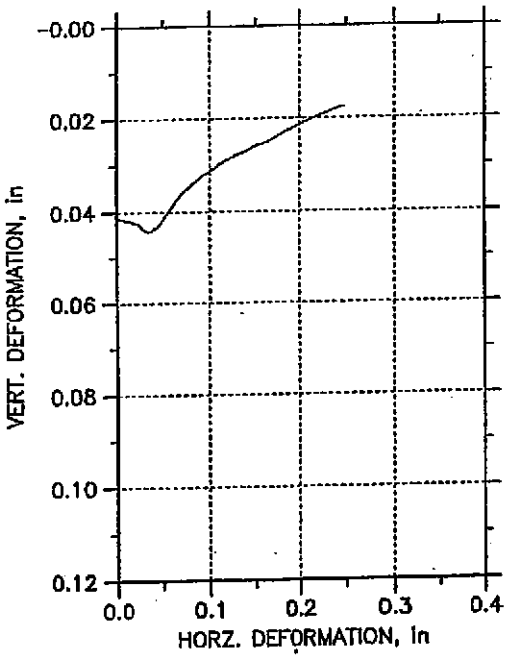
DIRECT SHEAR TEST REPORT



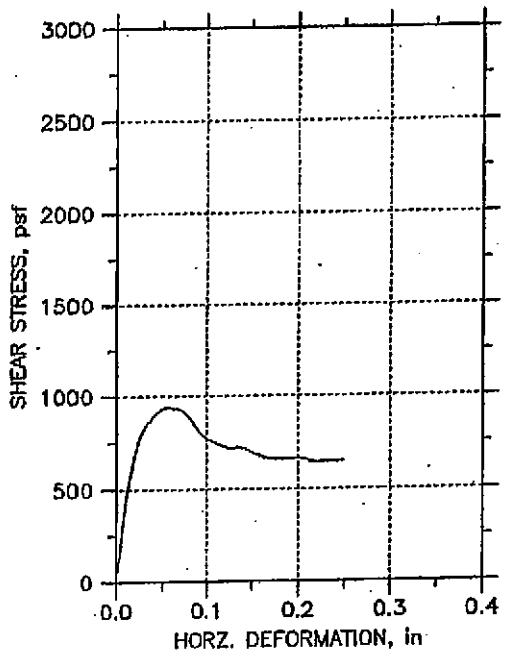


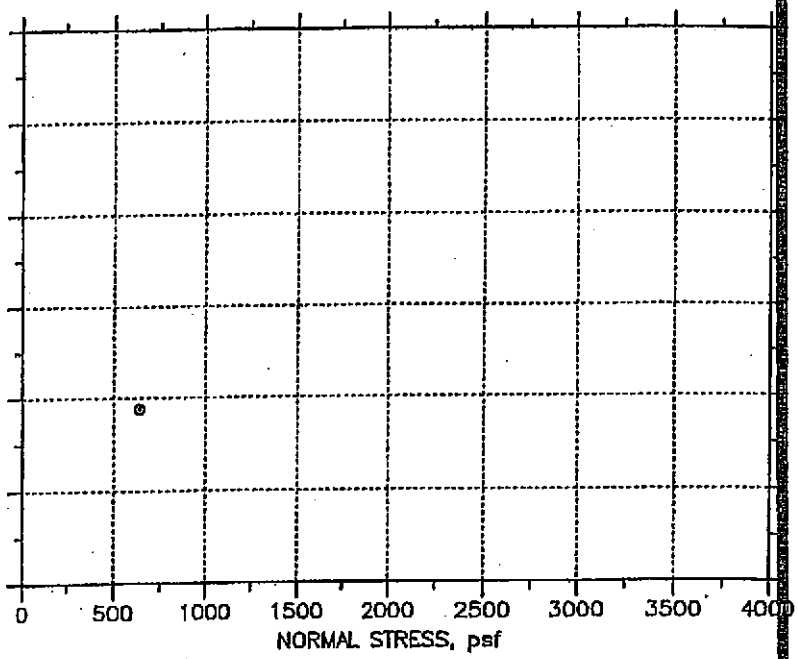


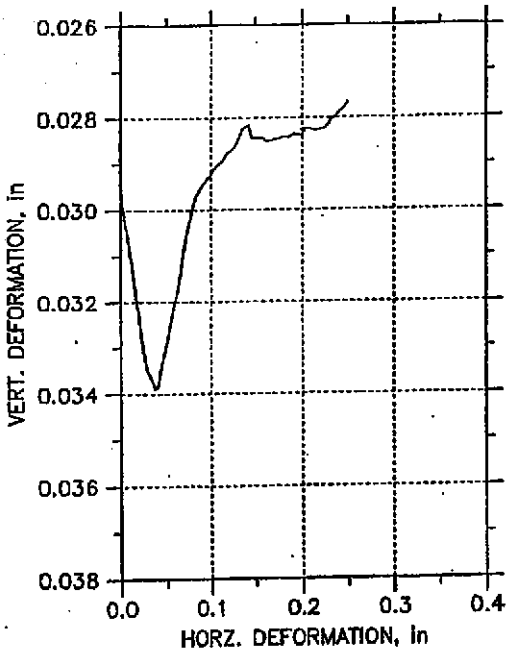
Symbol					
Test No.		DS-6			
Sample No.		0617ss-2			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	52.97			
	Dry Density, pcf	56.46			
	Saturation, %	80.34			
	Void Ratio	1.4769			
Consol. Height, in		0.95843			
Consol. Void Ratio		1.3739			
Final	Water Content, %	94.63			
	Dry Density, pcf	57.47			
	Saturation, %	-			
	Void Ratio				
Normal Stress, psf		642.64			
Max. Shear Stress, psf		1204.1			
Ult. Shear Stress, psf		702.37			
Time to Failure, min		53.505			
Disp. Rate, in/min		0.001			
Measured Specific Gravity		2.24			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery	
Location: Pownal VT	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remolded	
Description: Moist, dark gray silty sand	
Remarks: Compacted to 90% of 63.0 pcf at 52.0% Moisture.	

DIRECT SHEAR TEST REPORT



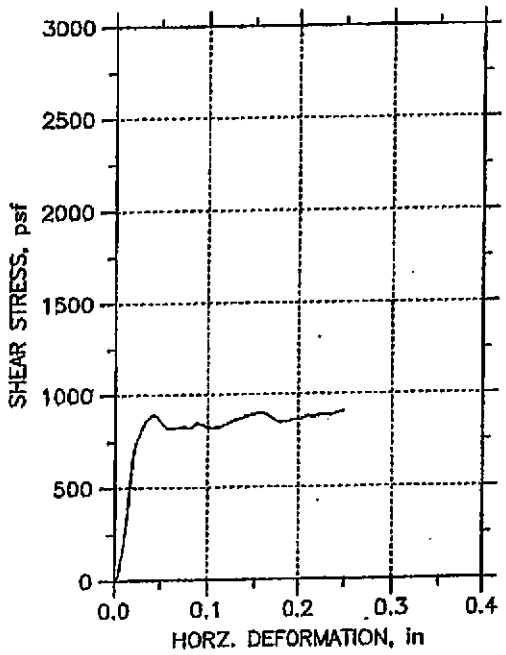


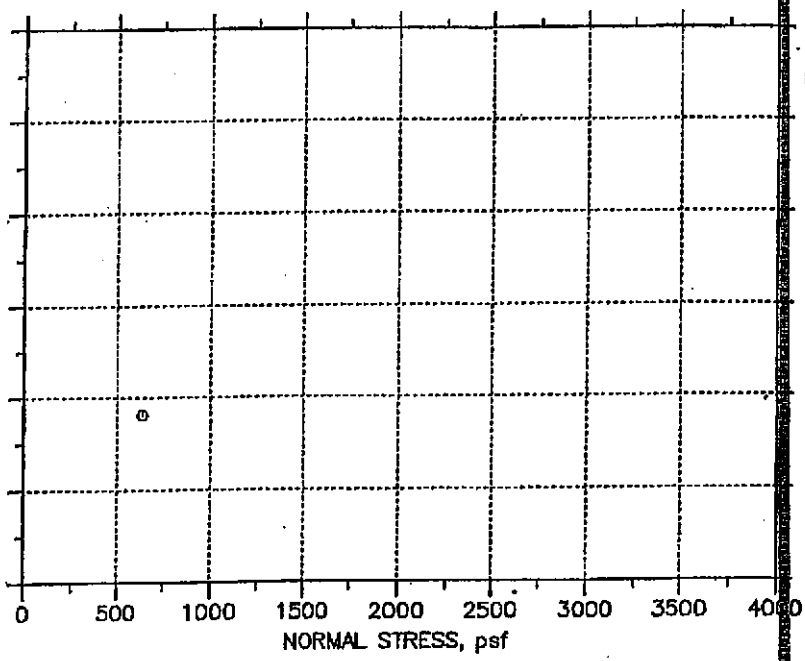


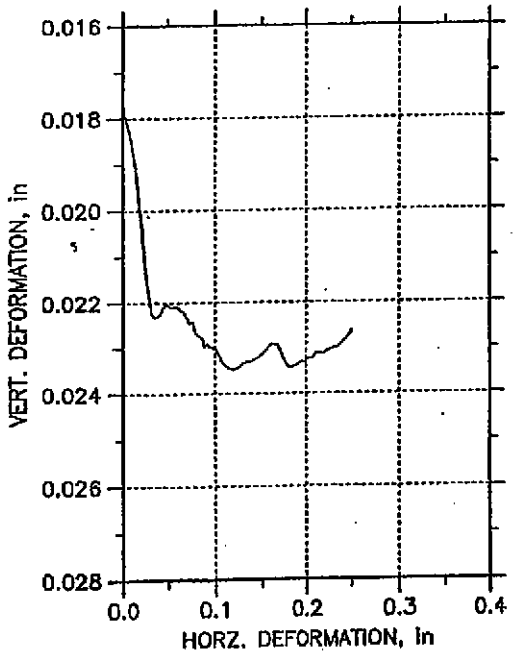
Symbol					
Test No.		DS-9			
Sample No.		0622S-1			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	60.55			
	Dry Density, pcf	49.94			
	Saturation, %	76.72			
	Void Ratio	1.7128			
Consol. Height, in		0.9726			
Consol. Void Ratio		1.6384			
Final	Water Content, %	75.02			
	Dry Density, pcf	51.36			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		639.83			
Max. Shear Stress, psf		939.29			
Ult. Shear Stress, psf		651.02			
Time to Failure, min		62.002			
Disp. Rate, in/min		0.001			
Measured Specific Gravity		2.17			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery
Location: Pownal Vt
Project No.: GTX-5150
Boring No.: ---
Sample Type: Remolded
Description: Moist, dark gray silty sand
Remarks: Target Compaction: 90% of 55.5 pcf @ 60.5%

DIRECT SHEAR TEST REPORT







Symbol					
Test No.		DS-8			
Sample No.		0622S-2			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	63.00			
	Dry Density, pcf	48.75			
	Saturation, %	76.84			
	Void Ratio	1.7791			
Consol. Height, in		0.98284			
Consol. Void Ratio		1.7314			
Final	Water Content, %	76.74			
	Dry Density, pcf	49.88			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		639.83			
Max. Shear Stress, psf		905.28			
Ult. Shear Stress, psf		905.28			
Time to Failure, min		251			
Disp. Rate, in/min		0.001			
Measured Specific Gravity		2.17			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery	
Location: Pownal Vt	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remolded	
Description: Moist, dark gray silty sand	
Remarks: Target Compaction: 90% of 53.5 pcf @ 65.0%	

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ASTM D 2166 - Unconfined Compressive Strength of Cohesive Soils

Client: Maxymillian Technologies
Project Name: Phase II Remediation - Pownal Tannery Superfund Site
Project Location: Pownal, VT

GTX #: 5150
Report Date : 6/30/2004

Sample ID	Curing Age, days	Height, in	Diameter, in	Mass, g	Wet Bulk Density, lb/ft^3	Moisture Content, %	Strength, lbs	Compressive Strength, lb/in^2
TS0624-11A[2]	5	6.10	2.87	1085	104.5	47	22.2	3.4
TS0624-10%A[2]	5	6.30	2.87	1110	103.5	23	41.5	6.4
TS0624-12%A[2]	5	6.50	2.87	1162	105.1	24	34.8	5.4
624-12%A	5	7.90	4.00	2794	107.0	36	592.4	47.1
624-12%B	5	7.80	4.00	2813	109.1	35	522.1	41.5
TS0630-14A[2]	8 hours	4.15	2.20	362	87.2	33	6.9	1.8
TS0630-15A[2]	8 hours	5.70	2.84	1022	107.6	27	15.4	2.4

Comments: —

Notes:

1. Horizontal gaps observed as sample removed from tube. Compressive test unable to be performed.
2. Extruded sample noted to be dry, non-cohesive, contained gravel, and exhibited large voids.

Transmittal of Documents for Acceptance by EPA*

Date: **07/19/04**

Transmittal No. **42B**

Specification Section: **02343**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
3.08.A	Sludge Stabilization		
	Confirmation Testing of Stabilized Material	2	
	Direct Shear ASTM D 3080		
	Test dates 06/24/04, 06/30/04, 07/02/04		
	Unconfined Compressive Strength, ASTM D2166		
	Test dates 6/24/04, 06/28/04, 06/30/04, 07/02/04, 07/07/04, 07/09/04		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 42B

*For use by the contractor when submitting a deliverable to the RPM/WAM.

ASTM D 2166 - Unconfined Compressive Strength of Cohesive Soils

Client: Maxymillian Technologies
Project Name: Phase II Remediation - Pownal Tannery Superfund Site
Project Location: Pownal, VT

GTX #: 5150
Report Date : 6/30/2004

Sample ID	Curing Age, days	Height, in	Diameter, in	Mass, g	Wet Bulk Density, lb/ft^3	Moisture Content, %	Strength, lbs	Compressive Strength, lb/in^2
TS0624-11A[2]	5	6.10	2.87	.1085	104.5	47	22.2	3.4
TS0624-10%A[2]	5	6.30	2.87	1110	103.5	23	41.5	6.4
TS0624-12%A[2]	5	6.50	2.87	1162	105.1	24	34.8	5.4
624-12%A	5	7.90	4.00	2794	107.0	36	592.4	47.1
624-12%B	5	7.80	4.00	2813	109.1	35	522.1	41.5
TS0630-14A[2]	8 hours	4.15	2.20	362	87.2	33	6.9	1.8
TS0630-15A[2]	8 hours	5.70	2.84	1022	107.6	27	15.4	2.4
TS0628-08	4	6.50	2.87	1081	97.7	19	44.7	6.9
TS0628-09	4	6.20	2.87	973	92.2	42	63.2	9.8
TS0628-14	4	6.40	2.85	1089	101.4	63	33.8	5.3

Comments: —

Notes:

1. Horizontal gaps observed as sample removed from tube. Compressive test unable to be performed.
2. Extruded sample noted to be dry, non-cohesive, contained gravel, and exhibited large voids.

Client: Maxymillian Technologies
Project Name: Phase II Remediation - Pownal Tannery Superfund Site
Project Location: Pownal, VT

GTX #: 5150
Report Date : 7/9/2004

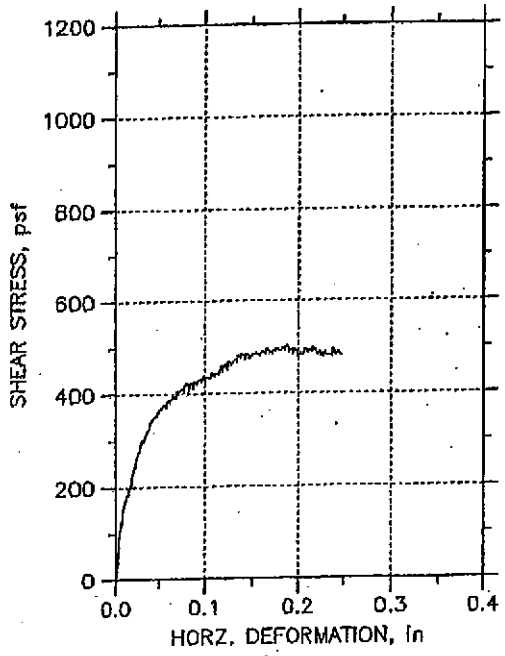
Sample ID	Curing Age, days	Height, in	Diameter, in	Mass, g	Wet Bulk Density, lb/ft^3	Moisture Content, %	Strength, lbs	Compressive Strength, lb/in^2
TSO630-14B	9	6.00	2.87	1099	107.6	30	28.4	4.4
TSO630-15B	9	5.75	2.87	1156	118.1	22	45.1	7.0
TSO702-6A	7	6.00	2.87	1148	112.4	64	37.3	5.8
TSO702-7A[2]	7	5.50	2.87	1006	107.5	25	8.4	1.3
TSO702-8A	7	6.02	2.87	1116	108.9	49	33.2	5.1
TSO707-1A[2]	5	6.25	2.86	1861	176.2	34	12.1	1.9
TSO707-2A[3]	5				See Note 3.			
TSO707-3A	5	6.30	2.87	1103	102.9	42	39.7	6.1
TSO707-4A	5	6.21	2.87	1240	117.3	48	30.9	4.8
TSO707-5A[2]	5	6.30	2.86	1173	110.2	32	18.0	2.8
TSO709-7A	3	6.40	2.87	1224	112.4	35	49.0	7.6
TSO709-8A	3	6.50	2.87	1120	101.3	29	43.6	6.7
TSO709-9A	3	6.50	2.87	1215	109.8	25	33.9	5.2
TSO709-10A[2]	3	5.95	2.87	1157	114.3	18	18.5	2.9

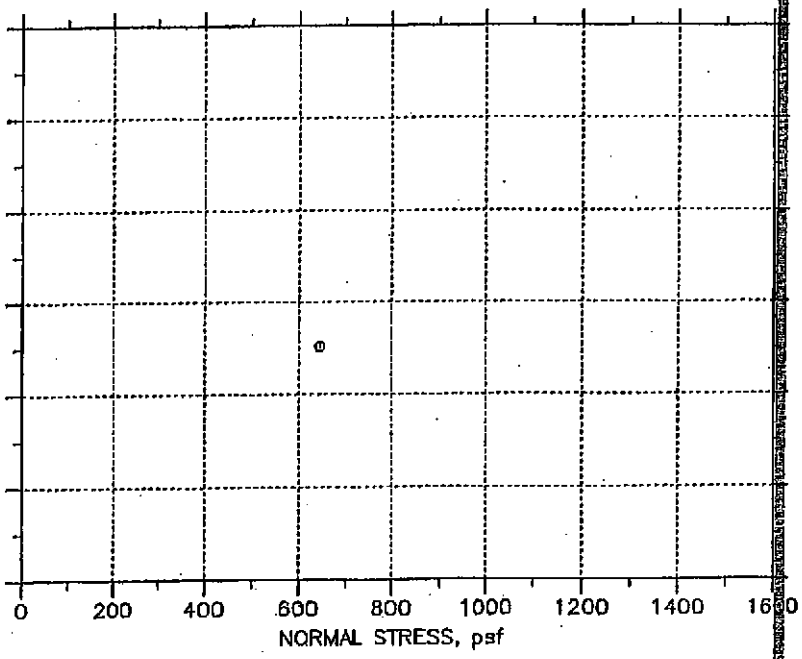
Comments: ---

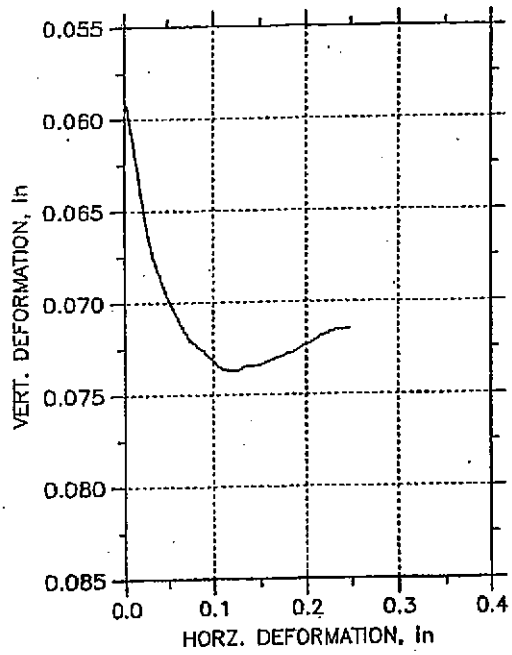
Notes:

1. Horizontal gaps observed as sample removed from tube. Compressive test unable to be performed.
2. Extruded sample noted to be dry, non-cohesive, contained gravel, and /or exhibited large voids.
3. Sample fell apart upon removal from tube. Compressive test unable to be performed.

DIRECT SHEAR TEST REPORT







Symbol					
Test No.		DS-11			
Sample No.		0630-SS-1			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	14.28			
	Dry Density, pcf	89.27			
	Saturation, %	56.05			
	Void Ratio	0.57341			
Consol. Height, in		0.94188			
Consol. Void Ratio		0.48196			
Final	Water Content, %	20.89			
	Dry Density, pcf	96.15			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		644.9			
Max. Shear Stress, psf		503.28			
Ult. Shear Stress, psf		483.11			
Time to Failure, min		147.01			
Disp. Rate, in/min		0.001			
Estimated Specific Gravity		2.25			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery
Location: Pownal, VT
Project No.: GTX-5150
Boring No.: ---
Sample Type: Remolded
Description: Moist, grayish brown silty sand
Remarks: Target Compaction: 90 % of 99.0 pcf @ 14.5% moisture

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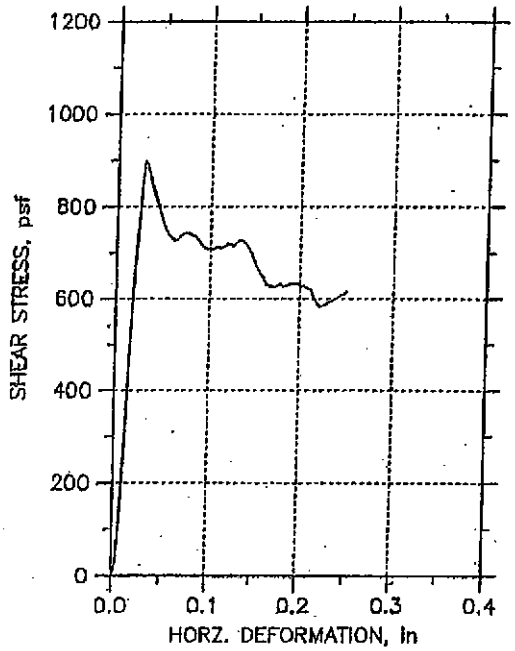
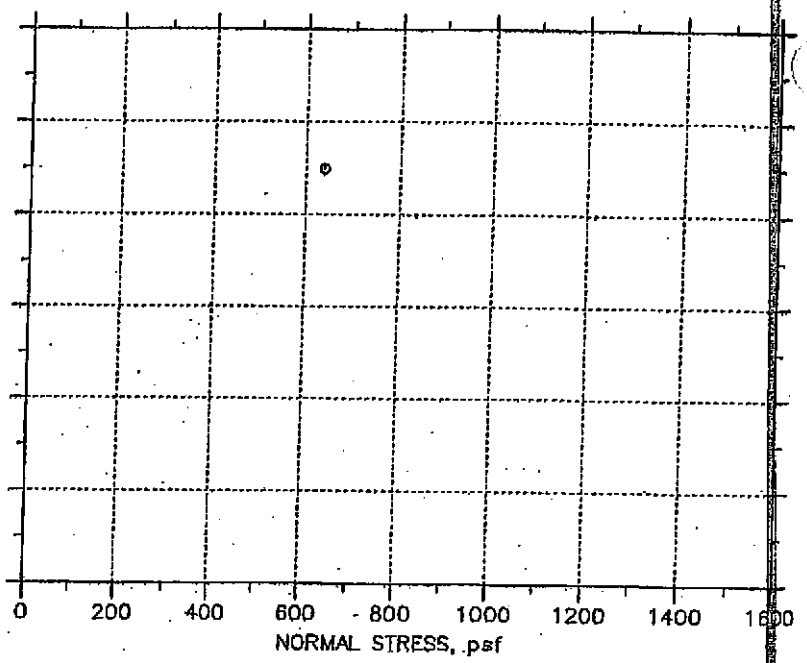
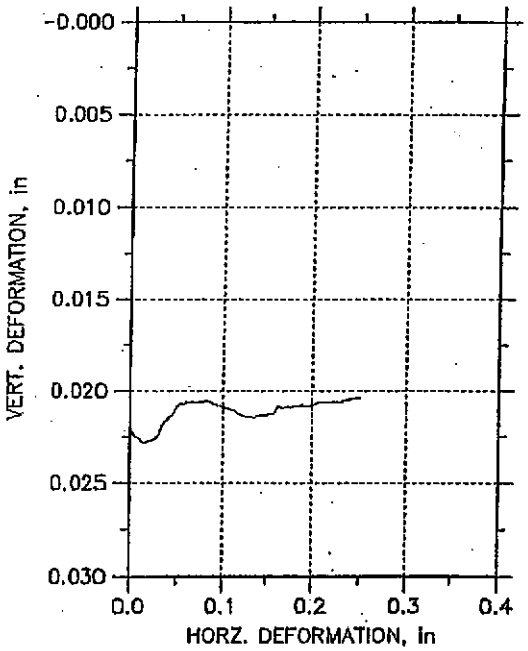


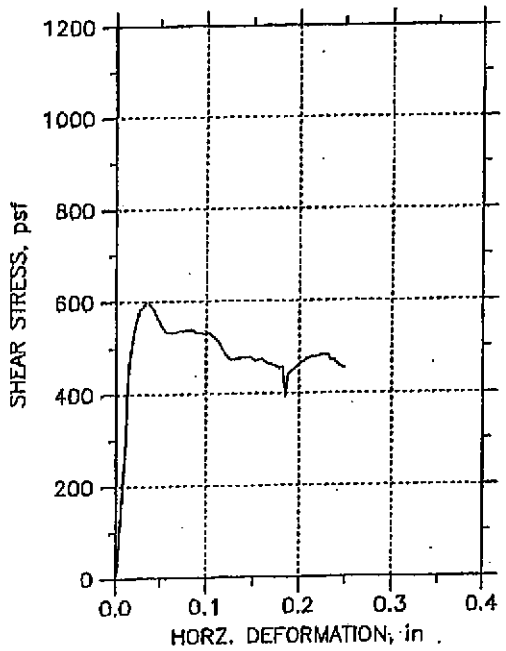


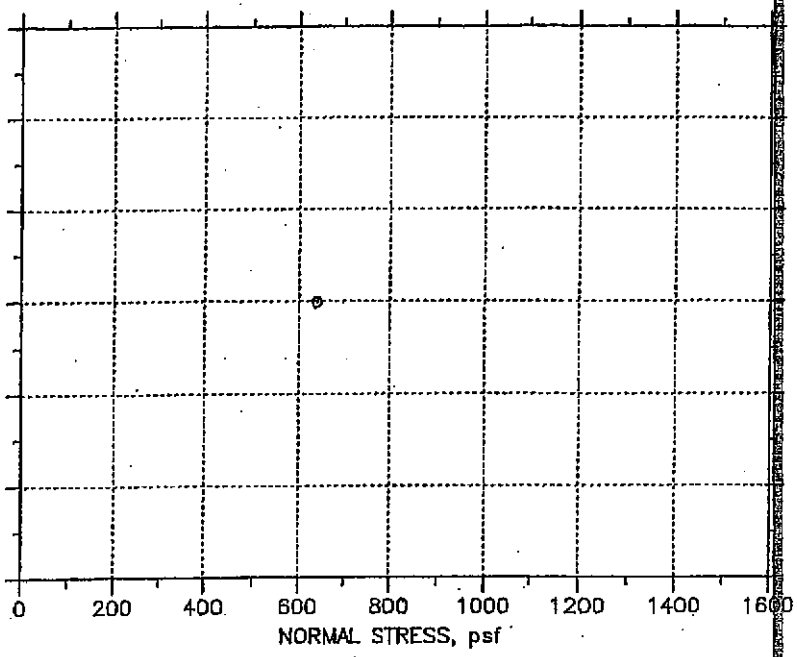


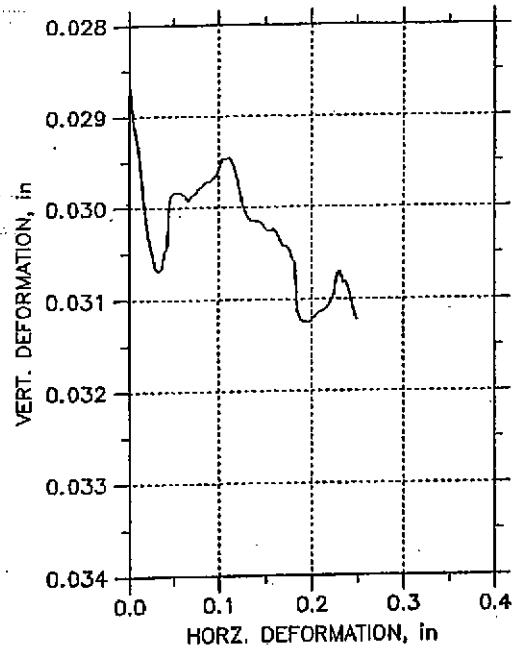
Symbol					
Test No.		DS-16			
Sample No.		0702-SS-1			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	33.56			
	Dry Density, pcf	72.96			
	Saturation, %	73.67			
	Void Ratio	1.139			
Consol. Height, in		0.98028			
Consol. Void Ratio		1.0968			
Final	Water Content, %	41.28			
	Dry Density, pcf	74.48			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		639.83			
Max. Shear Stress, psf		897.99			
Ult. Shear Stress, psf		614.58			
Time to Failure, min		32.001			
Disp. Rate, in/min		0.001			
Estimated Specific Gravity		2.50			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery	
Location: Pownal Vt	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remolded	
Description: Moist, gray silty sand	
Remarks: Target Compaction: 90% of 80.5 pcf @ 34.5%	

DIRECT SHEAR TEST REPORT







Symbol					
Test No.		DS-12			
Sample No.		0623-SS-3			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	16.86			
	Dry Density, pcf	97.9			
	Saturation, %	68.68			
	Void Ratio	0.62601			
Consol. Height, in		0.97354			
Consol. Void Ratio		0.58299			
Final	Water Content, %	20.71			
	Dry Density, pcf	101.1			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		639.83			
Max. Shear Stress, psf		597.58			
Ult. Shear Stress, psf		453.45			
Time to Failure, min		32.002			
Disp. Rate, in/min		0.001			
Estimated Specific Gravity		2.55			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery	
Location: Pownal, VT	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remolded	
Description: Moist, olive brown silty sand	
Remarks: Target Compaction: 90% of 111.5 pcf @ 14.0% moisture	

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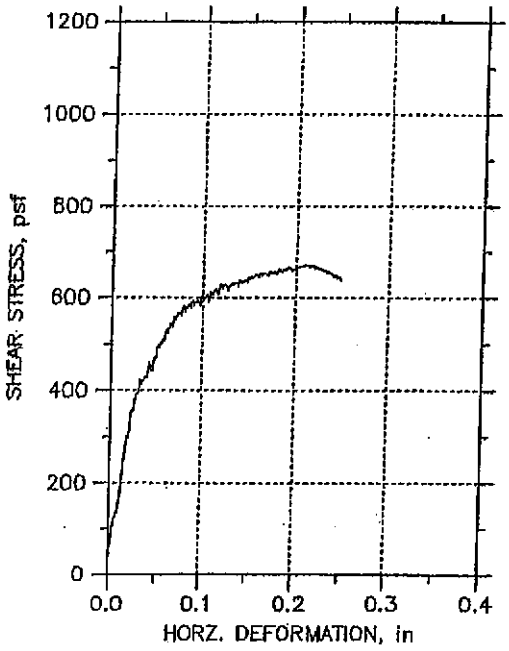
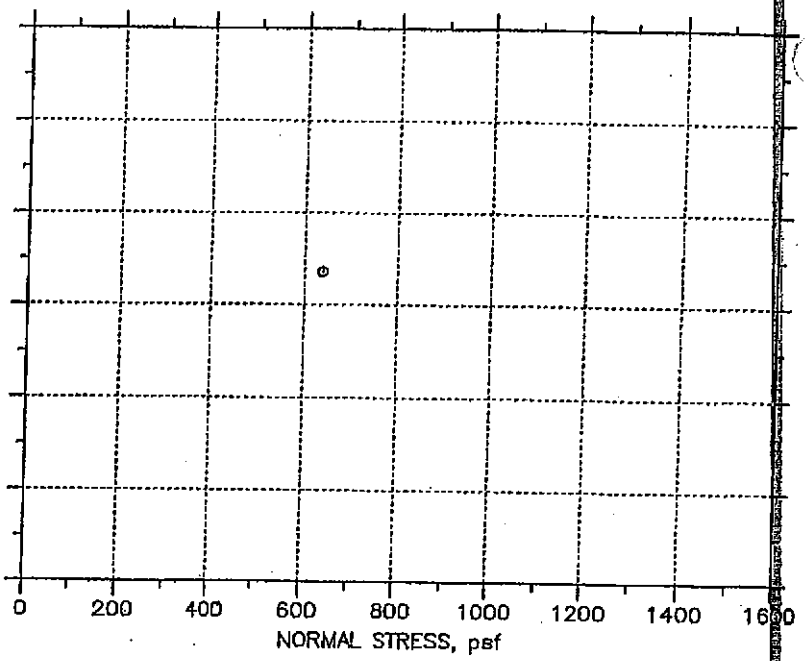
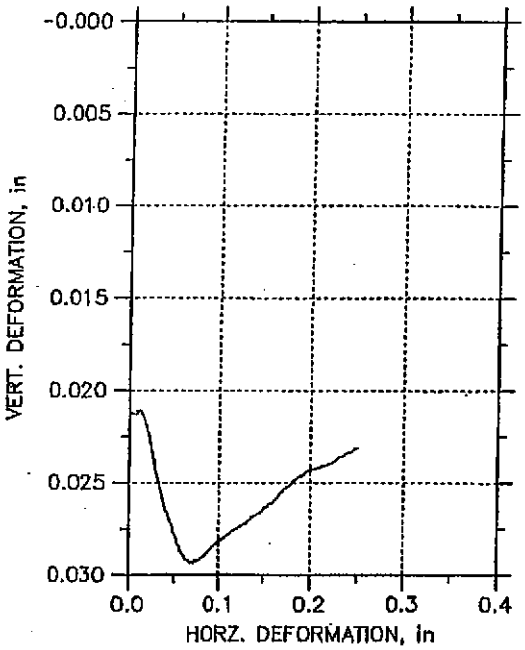


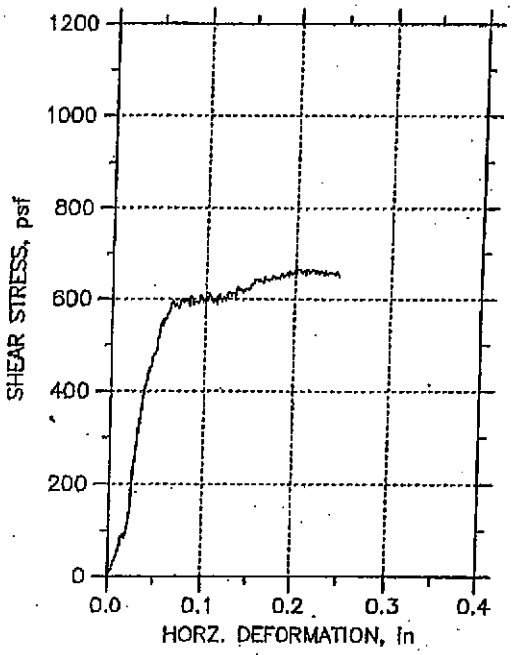


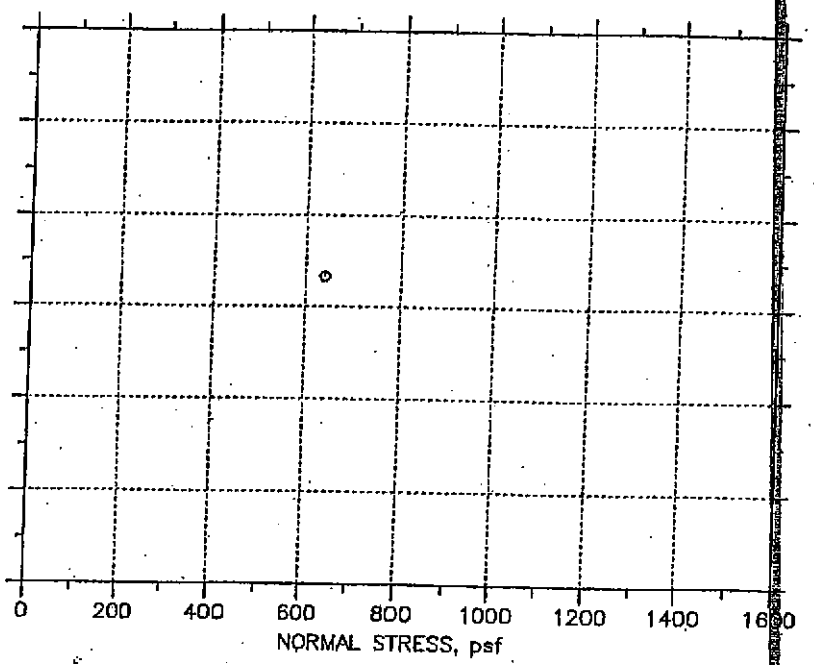


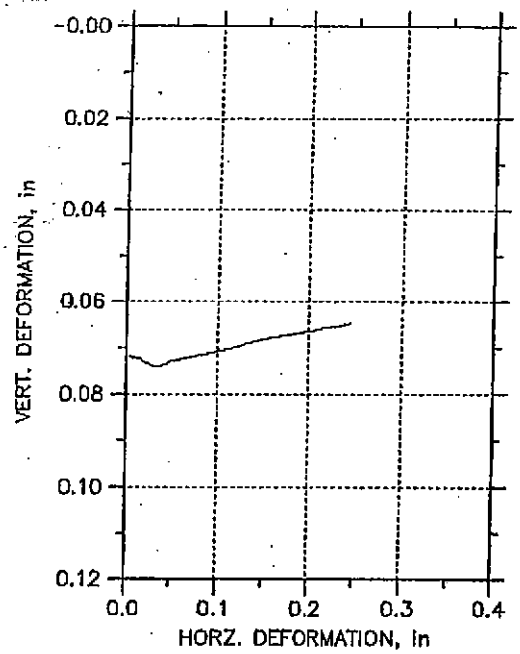
Symbol					
Test No.		DS-17			
Sample No.		0702-SS-2			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	46.82			
	Dry Density, pcf	60.62			
	Saturation, %	76.36			
	Void Ratio	1.4716			
Consol. Height, in		0.97911			
Consol. Void Ratio		1.42			
Final	Water Content, %	56.47			
	Dry Density, pcf	62.06			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		638.7			
Max. Shear Stress, psf		670.51			
Ult. Shear Stress, psf		639.19			
Time to Failure, min		159.01			
Disp. Rate, in/min		0.001			
Estimated Specific Gravity		2.40			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery	
Location: Pownal VT	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remolded	
Description: Moist, gray silty sand	
Remarks: Target Compaction: 90 % of 67.5 pcf @ 46.5%	

DIRECT SHEAR TEST REPORT







Symbol					
Test No.		DS-15			
Sample No.		0623-SS-2			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	34.90			
	Dry Density, pcf	73.65			
	Saturation, %	77.97			
	Void Ratio	1.1191			
Consol. Height, in		0.92931			
Consol. Void Ratio		0.96927			
Final	Water Content, %	40.06			
	Dry Density, pcf	78.74			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		642.64			
Max. Shear Stress, psf		664.67			
Ult. Shear Stress, psf		649.28			
Time to Failure, min		160.51			
Disp. Rate, in/min		0.001			
Estimated Specific Gravity		2.50			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery	
Location: Pownal, VT	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remolded	
Description: Moist, olive brown silty sand	
Remarks: Target Compaction: 90 % of 83.0 pcf @ 33.0%	

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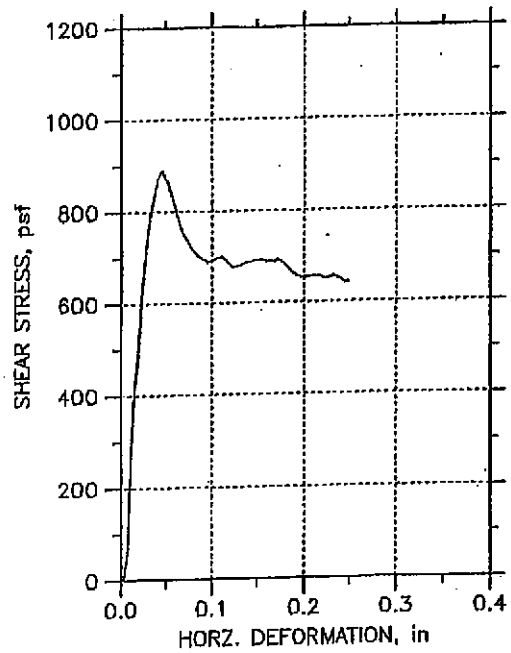
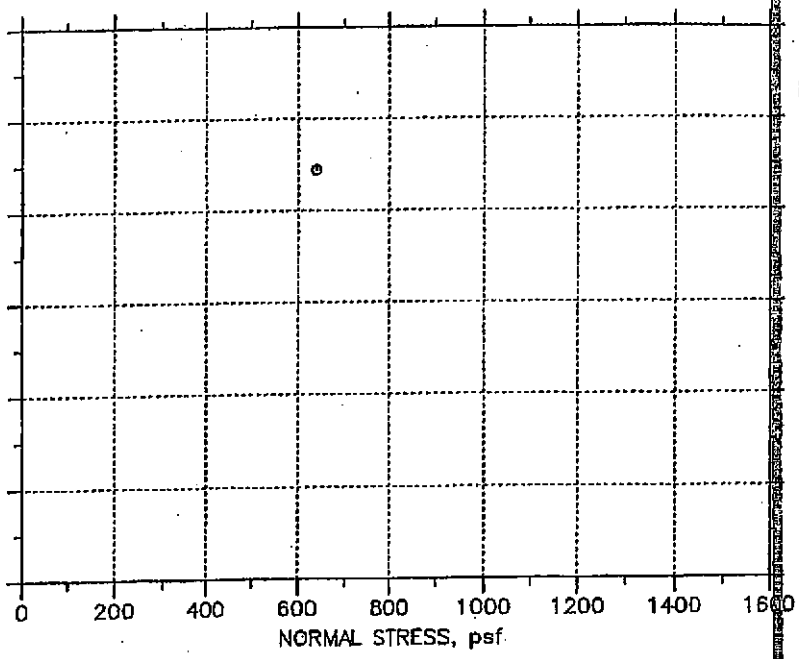
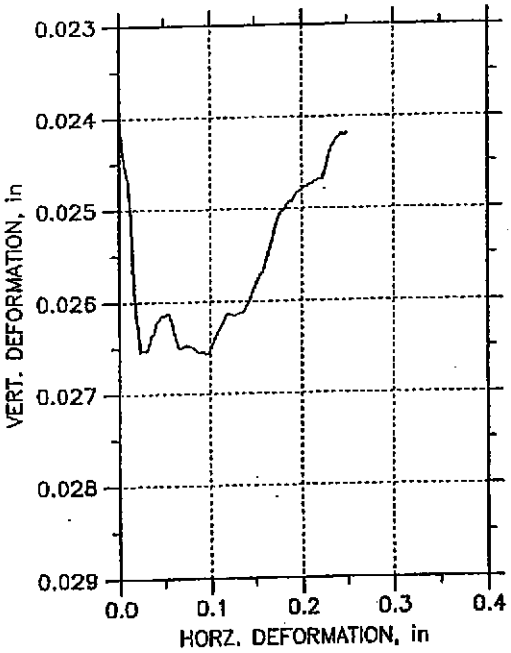
DIRECT SHEAR TEST REPORT



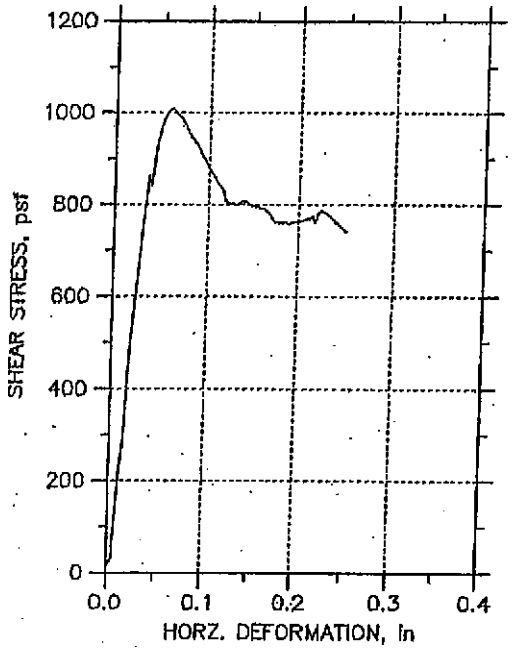


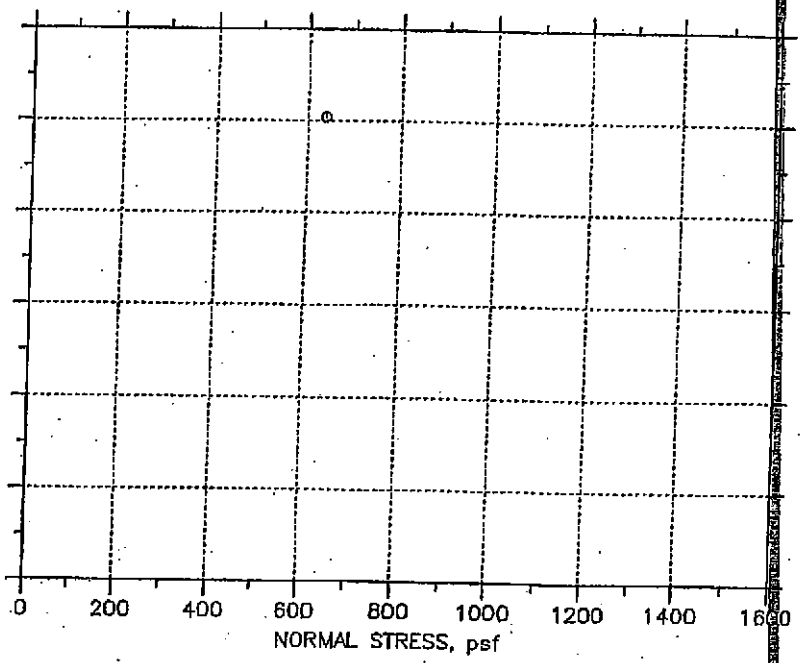


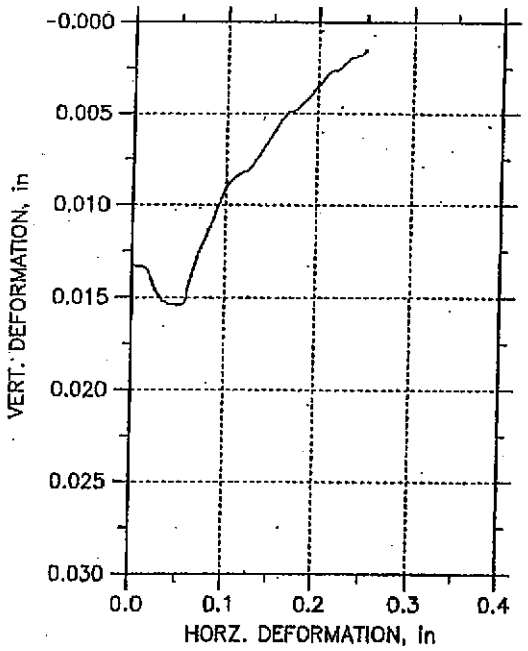
Symbol					
Test No.		DS-10			
Sample No.		0623-SS-			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	38.42			
	Dry Density, pcf	66.81			
	Saturation, %	74.21			
	Void Ratio	1.2426			
Consol. Height, in		0.97747			
Consol. Void Ratio		1.1921			
Final	Water Content, %	47.49			
	Dry Density, pcf	68.47			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		639.83			
Max. Shear Stress, psf		888.27			
Ult. Shear Stress, psf		642.92			
Time to Failure, min		50.003			
Disp. Rate, in/min		0.001			
Estimated Specific Gravity		2.40			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery
Location: Pownal, VT
Project No.: GTX-5150
Boring No.: ---
Sample Type: Remold
Description: Moist, olive dark gray silty sand
Remarks: Target Compaction: 90% of 75.0 pcf @ 37.0% moisture

DIRECT SHEAR TEST REPORT



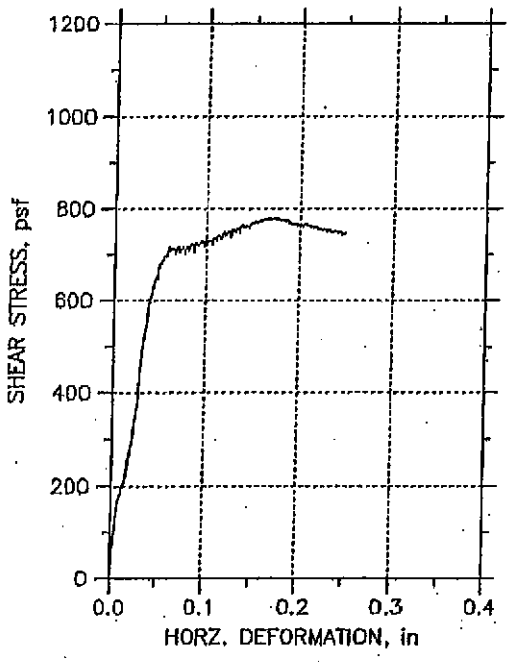


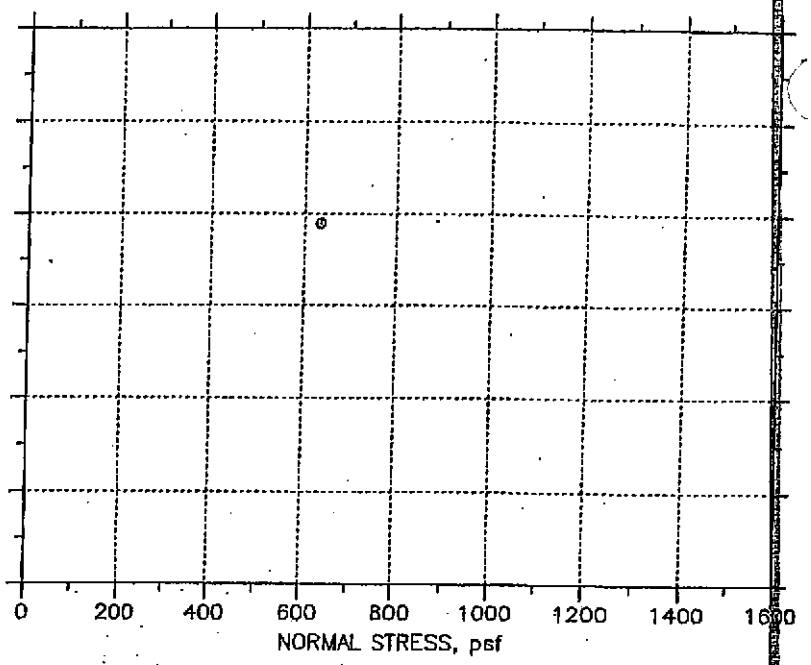


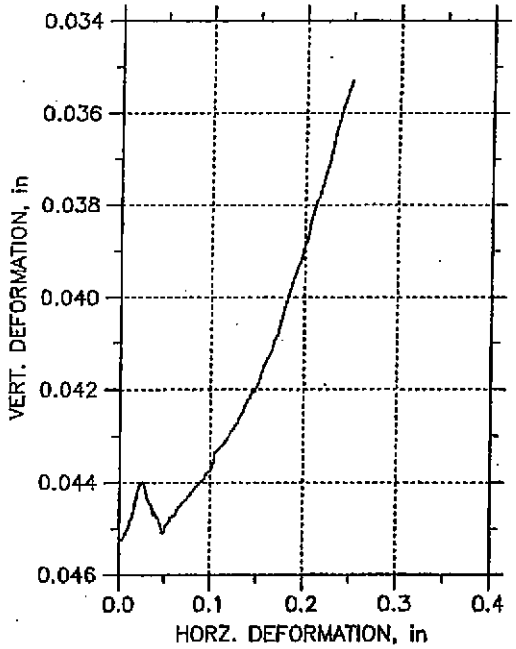
Symbol					
Test No.		DS-14			
Sample No.		L #5-SS-10%			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	24.28			
	Dry Density, pcf	86.46			
	Saturation, %	73.60			
	Void Ratio	0.84131			
Consol. Height, in		0.98824			
Consol. Void Ratio		0.81966			
Final	Water Content, %	31.87			
	Dry Density, pcf	86.59			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		639.83			
Max. Shear Stress, psf		1008.1			
Ult. Shear Stress, psf		741.71			
Time to Failure, min		59.001			
Disp. Rate, in/min		0.001			
Estimated Specific Gravity		2.55			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery	
Location: Pownal, Vt	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remold	
Description: Moist, olive brown silty sand	
Remarks: Target Compaction: 90% of 95.5 pcf @ 25.0%	

DIRECT SHEAR TEST REPORT







Symbol					
Test No.		DS-13			
Sample No.		0624-SS-1			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	37.18			
	Dry Density, pcf	68.36			
	Saturation, %	73.61			
	Void Ratio	1.2375			
Consol. Height, in		0.95574			
Consol. Void Ratio		1.1384			
Final	Water Content, %	45.52			
	Dry Density, pcf	70.86			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		635.32			
Max. Shear Stress, psf		778.82			
Ult. Shear Stress, psf		747.49			
Time to Failure, min		131.01			
Disp. Rate, in/min		0.001			
Estimated Specific Gravity		2.45			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery	
Location: Pownal, VT	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remolded	

Description: Moist, olive brown silty sand

Remarks: Target Compaction: 90 % of 75.5 pcf @ 38.0%

Fri 09-JUL-2004 17:02:07

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Transmittal of Documents for Acceptance by EPA*

Date: **08/04/04**

Transmittal No. **42C**

Specification Section: **02343**

CC: Letter of Tranmsittal only
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

To: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
3.08.A	Sludge Stabilization		
	Confirmation Testing of Stabilized Material	2	
	Direct Shear ASTM D 3080		
	Test dates 06/30/04, 07/09/04 and 07/15/04		

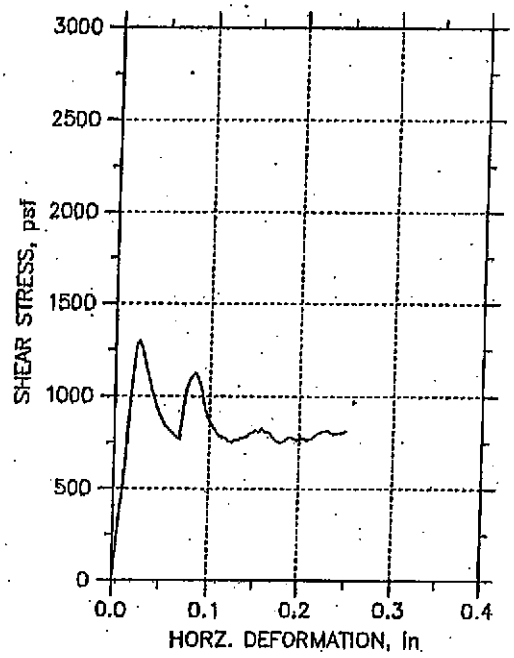
Acceptance Action

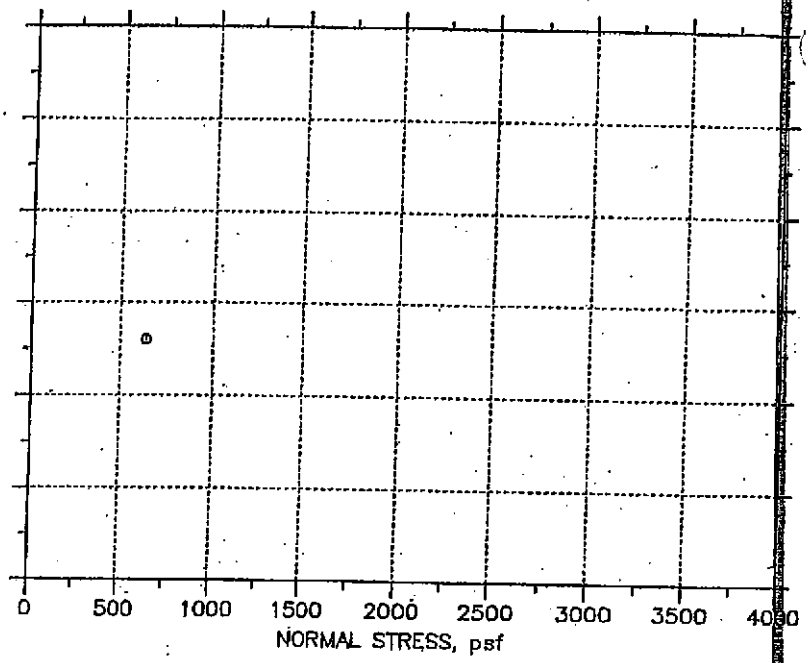
Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

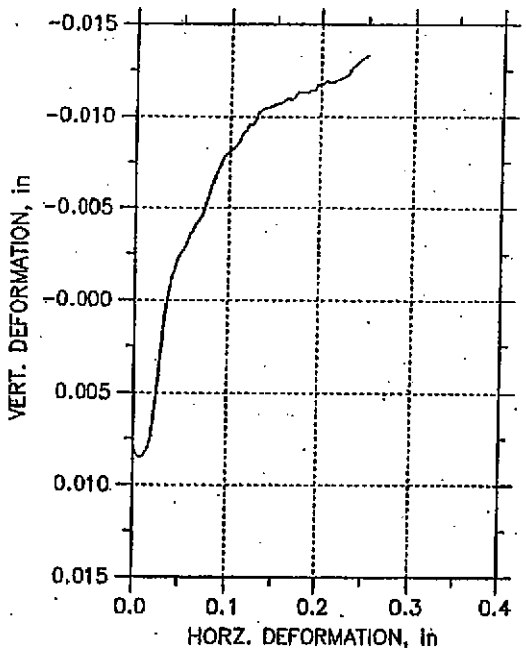
MT 42C

*For use by the contractor when submitting a deliverable to the RPM/WAM.

DIRECT SHEAR TEST REPORT







Symbol					
Test No.		DS-19			
Sample No.		0709-SS-2			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	24.10			
	Dry Density, pcf	81.84			
	Saturation, %.	73.48			
	Void Ratio	0.75441			
Consol. Height, in		0.99175			
Consol. Void Ratio		0.73994			
Final	Water Content, %	38.66			
	Dry Density, pcf	80.77			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		640.63			
Max. Shear Stress, psf		1300.4			
Ult. Shear Stress, psf		812.97			
Time to Failure, min		29			
Disp. Rate, in/min		0.001			
Estimated Specific Gravity		2.30			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery	
Location: Pownal, VT	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remolded	
Description: Moist, grayish brown silt	
Remarks: Target Compaction: 90% of 91.0 pcf @ 24.0%	

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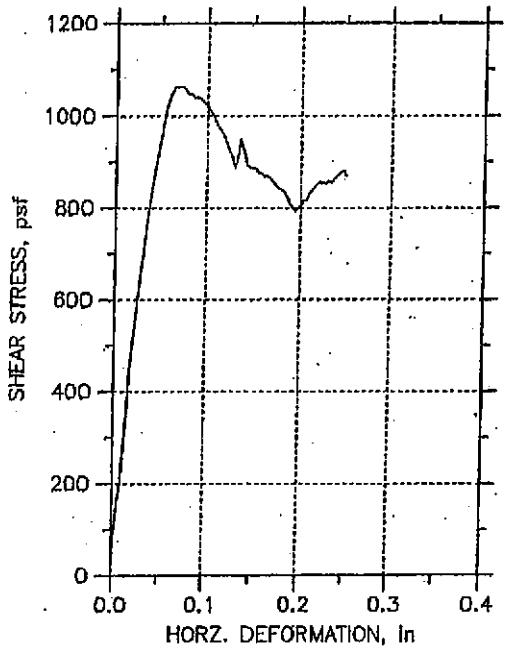
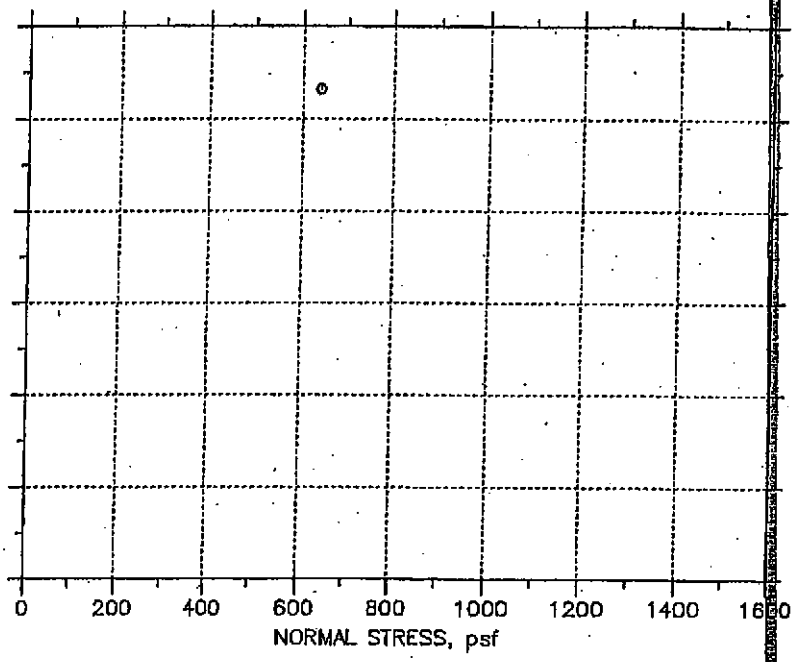
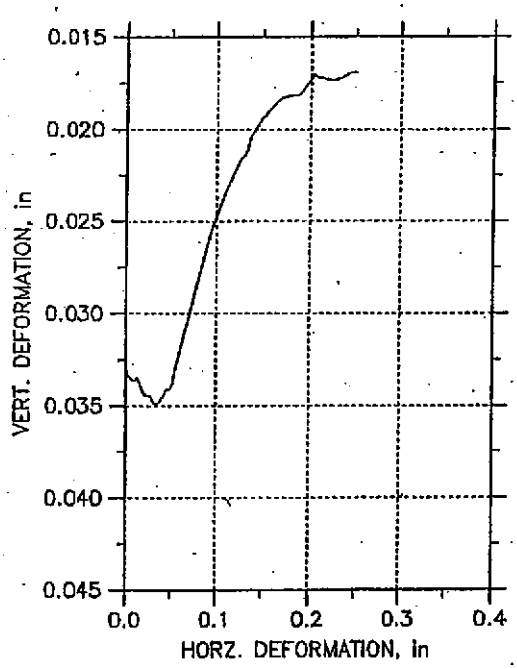
DIRECT SHEAR TEST REPORT







Symbol					
Test No.		DS-18			
Sample No.		0709-SS-1			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	25.31			
	Dry Density, pcf	84.4			
	Saturation, %	83.00			
	Void Ratio	0.70126			
Consol. Height, in		0.96871			
Consol. Void Ratio		0.64802			
Final	Water Content, %	28.74			
	Dry Density, pcf	85.85			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		639.83			
Max. Shear Stress, psf		1064			
Ult. Shear Stress, psf		871.27			
Time to Failure, min		71.004			
Disp. Rate, in/min		0.001			
Estimated Specific Gravity		2.30			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery	
Location: Pownal, VT	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remolded	
Description: Moist, grayish brown silt	
Remarks: Target Compaction: 90% of 94.0 pcf @ 24.5%	

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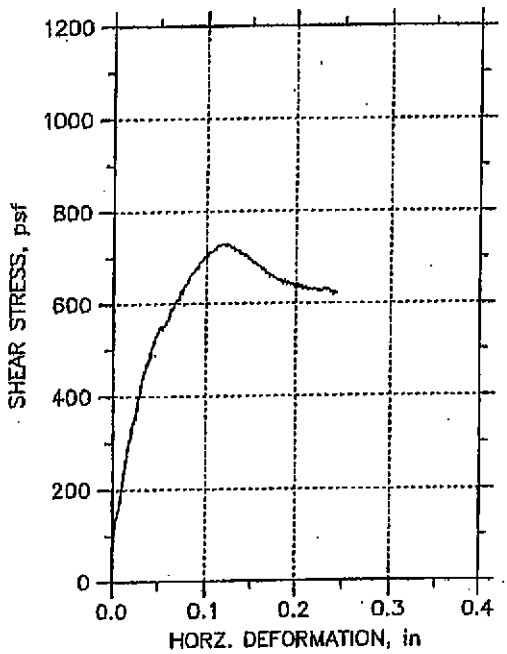
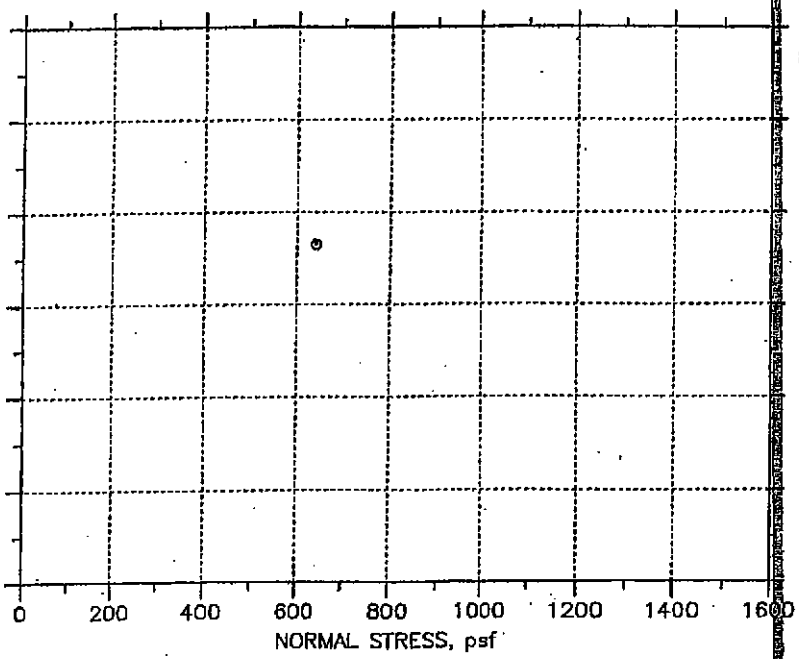
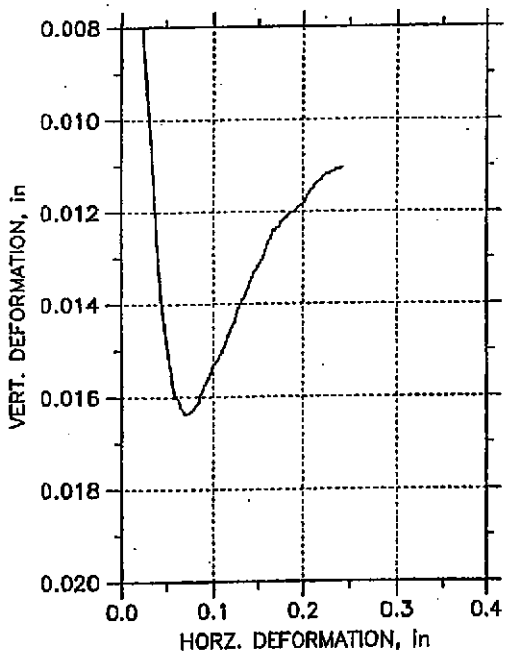
DIRECT SHEAR TEST REPORT







Symbol					
Test No.		DS-20			
Sample No.		0630-SS-2			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	20.43			
	Dry Density, pcf	89.53			
	Saturation, %	66.95			
	Void Ratio	0.77803			
Consol. Height, in		1			
Consol. Void Ratio		0.77803			
Final	Water Content, %	27.13			
	Dry Density, pcf	90.53			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		642.64			
Max. Shear Stress, psf		729.97			
Ult. Shear Stress, psf		621.67			
Time to Failure, min		87.506			
Disp. Rate, in/min		0.001			
Estimated Specific Gravity		2.55			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery	
Location: Pownal VT	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remolded	
Description: Moist, grayish brown silt	
Remarks: Target Compaction: 90 % of 99 pcf @ 21%	

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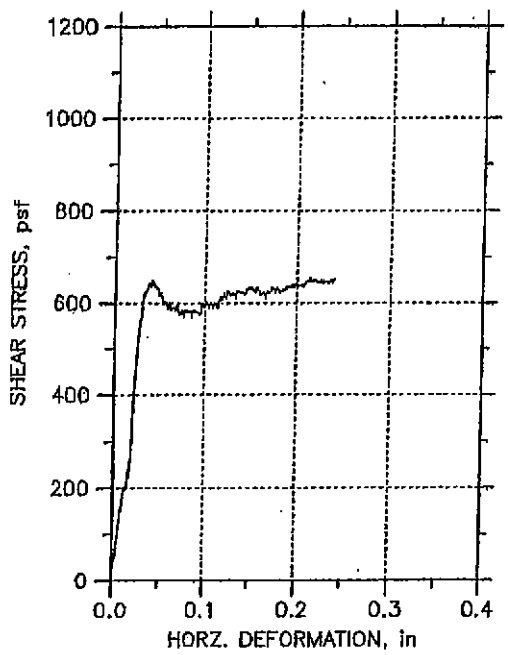
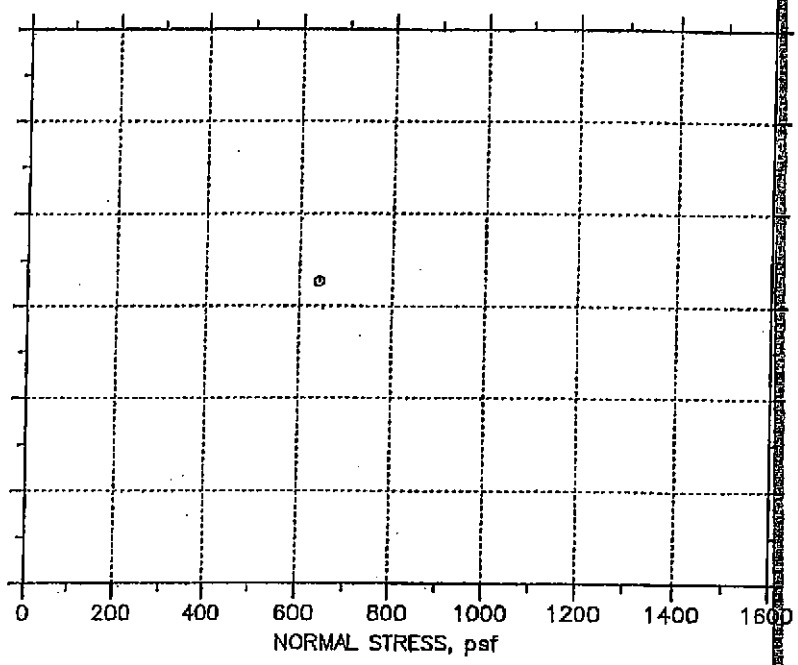
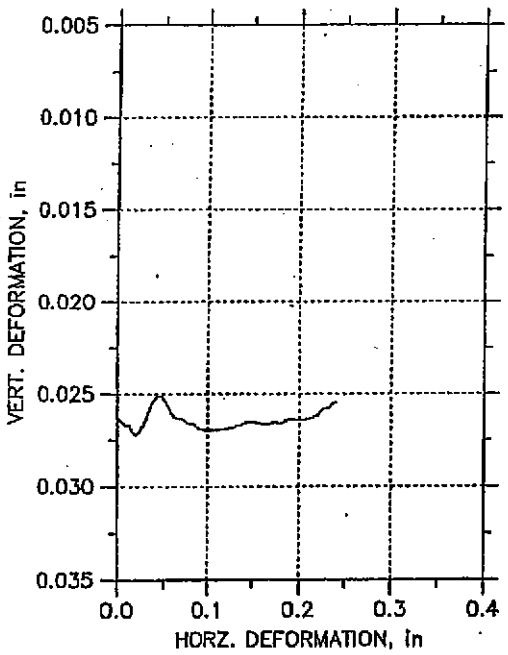
DIRECT SHEAR TEST REPORT







Symbol					
Test No.		DS-21			
Sample No.		0715-SS-1			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1			
	Water Content, %	17.38			
	Dry Density, pcf	94.56			
	Saturation, %	61.43			
	Void Ratio	0.74957			
Consol. Height, in		0.98068			
Consol. Void Ratio		0.71577			
Final	Water Content, %	24.38			
	Dry Density, pcf	97.03			
	Saturation, %				
	Void Ratio				
Normal Stress, psf		642.08			
Max. Shear Stress, psf		653.53			
Ult. Shear Stress, psf		650.34			
Time to Failure, min		160			
Disp. Rate, in/min		0.001			
Estimated Specific Gravity		2.65			
Liquid Limit		---			
Plastic Limit		---			
Plasticity Index		---			

Project: Pownal Tannery	
Location: Pownal VT	
Project No.: GTX-5150	
Boring No.: ---	
Sample Type: Remolded	
Description: Moist, gray silt	
Remarks: Target Compaction: 90 % of 104.5 pcf @ 18.0%	

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STABILIZED SLUDGE COMPACTION DATA
Laboratory Results (Proctor)

Transmittal of Documents for Acceptance by EPA*

Date: 06/07/04

Transmittal No.

Specification Section: 02343

To:
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

CC: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☑ New Transmittal

☐ Resubmittal of Transmittal No.

☐ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Sludge Stabilization		
3.08.B.1	Stabilized Sludge Proctor Information	2	

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

MT 30

*For use by the contractor when submitting a deliverable to the RPM/WAM.

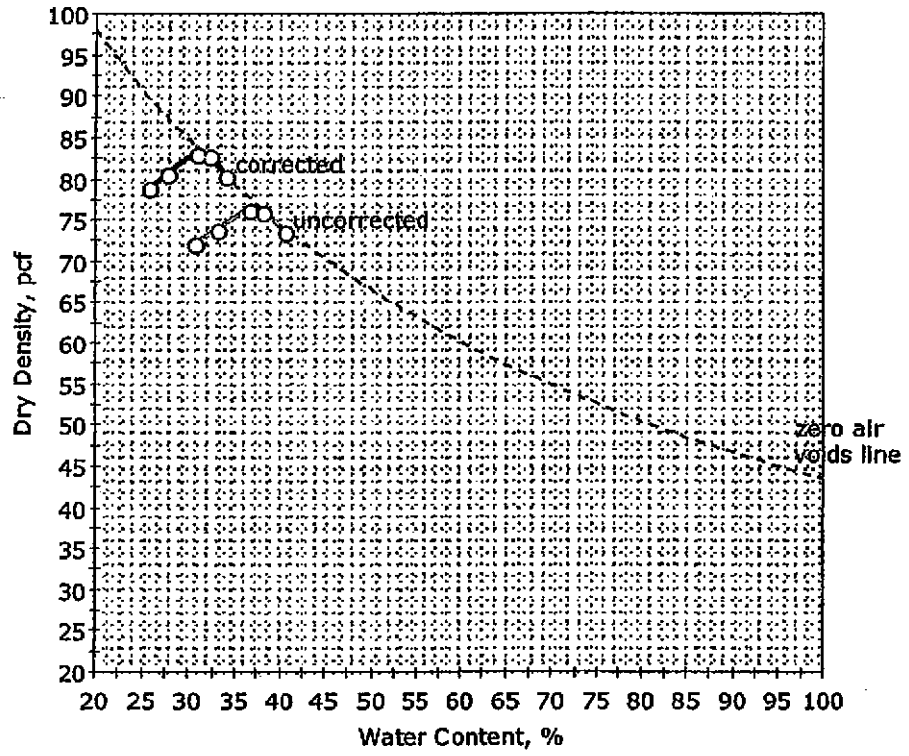
jod\MT\04009\04009 TRA 51-043-32B_2

51-043-32B(2)

GeoTesting Express, Inc.

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 4X-Landfill	Test Date: 05/19/04	Checked By:	fh
Depth : ---	Test Id: 52144		
Sample Description:	Moist, blueish gray silty sand		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	72.2	73.9	76.2	76.1	73.7
Moisture Content, %	30.7	33.1	36.6	38.2	40.5

Method : B

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on specific gravity of 2.29

Maximum Dry Density= 76.5 pcf

Optimum Moisture= 37.5 %

Oversize Correction (16.0% > 3/8 inch Sieve)

Corrected Maximum Dry Density= 83.0 pcf

Corrected Optimum Moisture= 31.5 %

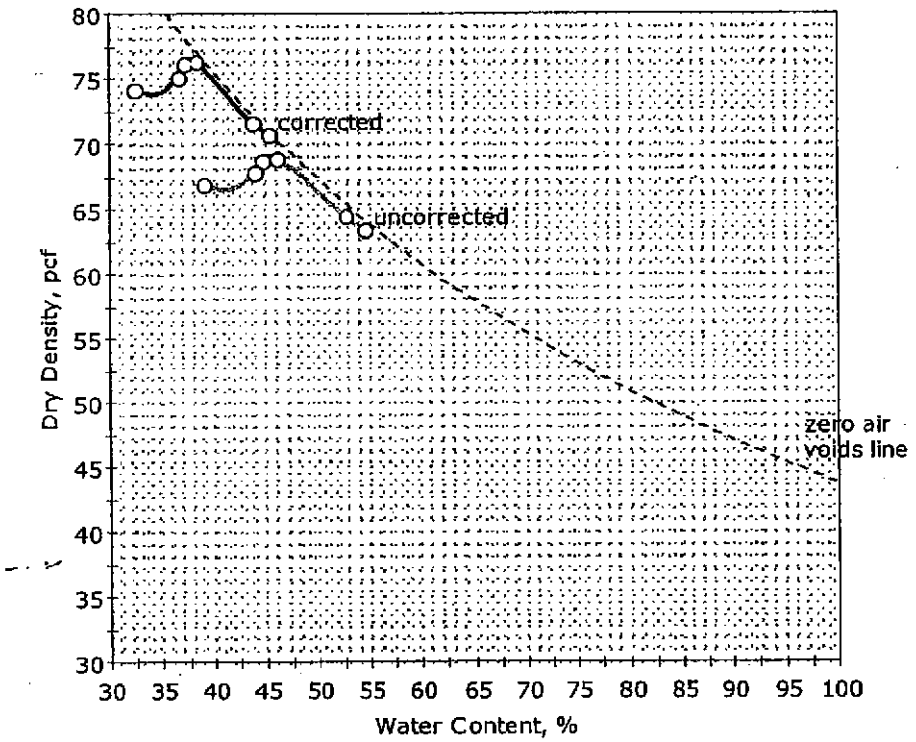
Average Bulk Specific Gravity := 2.47

printed 6/7/2004 1:08:04 PM

GeoTesting Express, Inc.

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	A2-Landfill	Test Date:	04/28/04	Checked By:	jdt
Depth :	---	Test Id:	51221		
Sample Description:	Moist, gray silty sand				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
Dry density, pcf	66.9	67.9	68.9	69.0	64.5	63.5
Moisture Content, %	38.9	43.8	44.7	45.9	52.5	54.4

Method : B

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.34

Maximum Dry Density= 69.0 pcf
Optimum Moisture= 45.0 %

Oversize Correction (17.0% > 3/8 inch Sieve)
Corrected Maximum Dry Density= 76.5 pcf
Corrected Optimum Moisture= 37.5 %
Average Bulk Specific Gravity (assumed)= 2.55

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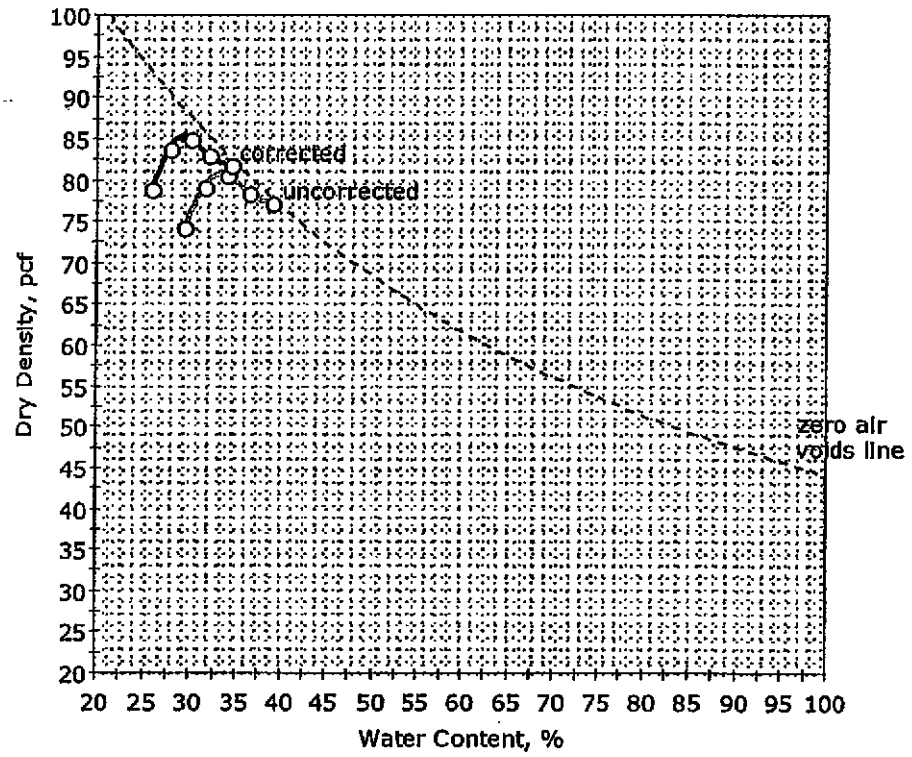
GeoTesting Express, Inc.

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	5X-Landfill	Test Date:	05/19/04	Checked By:	fh
Depth :	---	Test Id:	52145		
Sample Description:	Moist, gray silty sand				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	74.3	79.3	80.5	78.4	77.2
Moisture Content, %	29.3	31.4	34.0	36.3	39.0

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on specific gravity of 2.43

Maximum Dry Density= 80.5 pcf

Optimum Moisture= 33.5 %

Oversize Correction (12.0% > #4 Sieve)

Corrected Maximum Dry Density= 85.0 pcf

Corrected Optimum Moisture= 29.5 %

Average Bulk Specific Gravity = 2.32

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Specific Gravity of Soils by ASTM D 854

Client:	Maxymillian Technologies	GTX #:	5150
Project Name:	Phase II Remediation - Pownal Tannery Superfund Site	Test Date:	5/4/04 - 6/4/04
		Tested By:	njh
Project Location:	Pownal, VT	Checked By:	fph

Sample ID	Visual Description	Specific Gravity @ 20C	
A2-Landfill	Moist, gray silty soil	2.33	
		2.36	
		2.34	
		Average	2.34
2B-Landfill	Moist, gray silty soil	2.42	
		2.43	
		2.36	
		Average	2.41
3B-Landfill	Moist, gray silty soil	2.11	
		2.14	
		2.11	
		Average	2.12
2G-Landfill	Moist, gray silty soil	2.26	
		2.24	
		2.20	
		Average	2.23
4X-Landfill	Moist, gray silty soil	2.26	
		2.25	
		2.25	
		Average	2.25
5X-Landfill	Moist, gray silty soil	2.44	
		2.44	
		2.45	
		Average	2.44

Notes: Specific gravity performed on material passing No. 4 sieve by using method A (oven dried specimens) of ASTM D 854.

Notes: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin,

Transmittal of Documents for Acceptance by EPA*

Date: **06/15/04**

Transmittal No. **30A**

Specification Section: **02343**

To:
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

CC: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Sludge Stabilization		
3.08.B.1	Stabilized Sludge Proctor Information	2	
	Test Date: 06/08/04		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

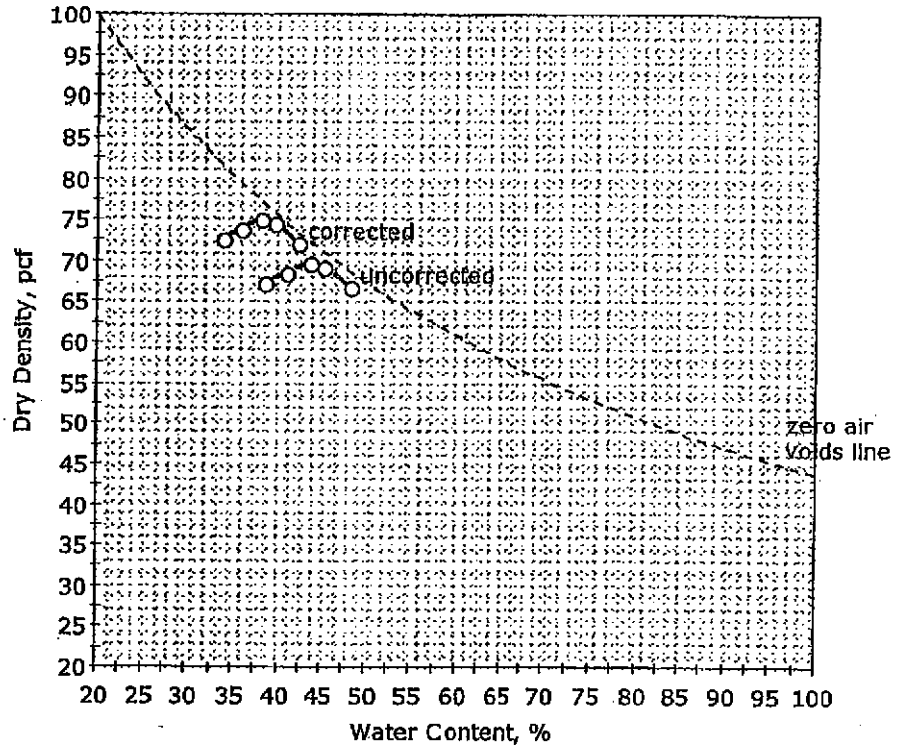
MT 30A

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting Express, Inc.

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	cmt
Sample ID:	0406SS-pail	Test Date:	06/08/04	Checked By:	fh
Depth :	---	Test Id:	53509		
Sample Description:	Moist, gray silty sand				
Sample Comment:					
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	67.3	68.6	69.6	69.2	66.8
Moisture Content, %	38.6	41.0	43.6	45.2	48.4

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.35

Maximum Dry Density=	69.5 pcf
Optimum Moisture=	44.0 %
Oversize Correction	(12.3% > #4 Sieve)
Corrected Maximum Dry Density=	75.0 pcf
Corrected Optimum Moisture=	38.5 %
Average Bulk Specific Gravity (assumed)=	2.65

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Transmittal of Documents for Acceptance by EPA*

Date: **06/29/04**

Transmittal No. **30B**

Specification Section: **02343**

To:
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

CC: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Sludge Stabilization		
3.08.B.1	Stabilized Sludge Proctor Information	2	
	Test Date: 06/17/04, 04/10/04 *		
	* Actual Test Date: 06/10/04; Report ID Mislabeled		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer
	Date

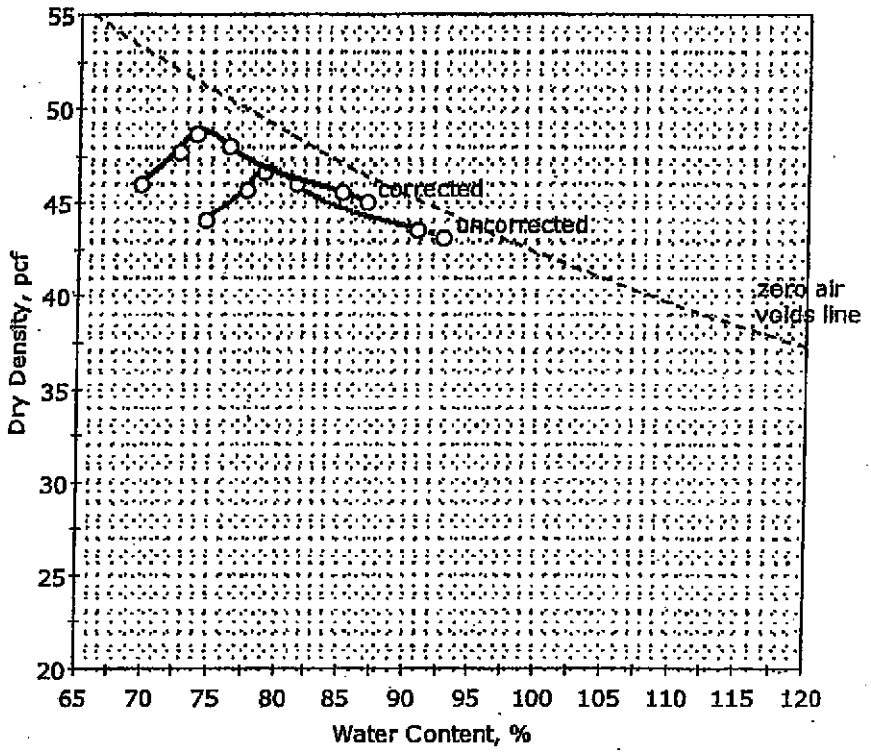
*For use by the contractor when submitting a deliverable to the RPM/WAM.

MT 30B

GeoTesting Express, Inc.

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0617SS-1	Test Date: 06/21/04	Checked By:	fh
Depth : ---	Test Id: 54404		
Sample Description:	Moist, very dark gray silty sand		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
Dry density, pcf	44.1	45.8	46.8	46.0	43.7	43.2
Moisture Content, %	74.4	77.4	78.7	81.3	90.6	92.6

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on specific gravity of 2.11

Maximum Dry Density= 47.0 pcf

Optimum Moisture= 79.0 %

Oversize Correction (6.4% > #4 Sieve)

Corrected Maximum Dry Density= 49.0 pcf

Corrected Optimum Moisture= 74.0 %

Average Bulk Specific Gravity = 2.14

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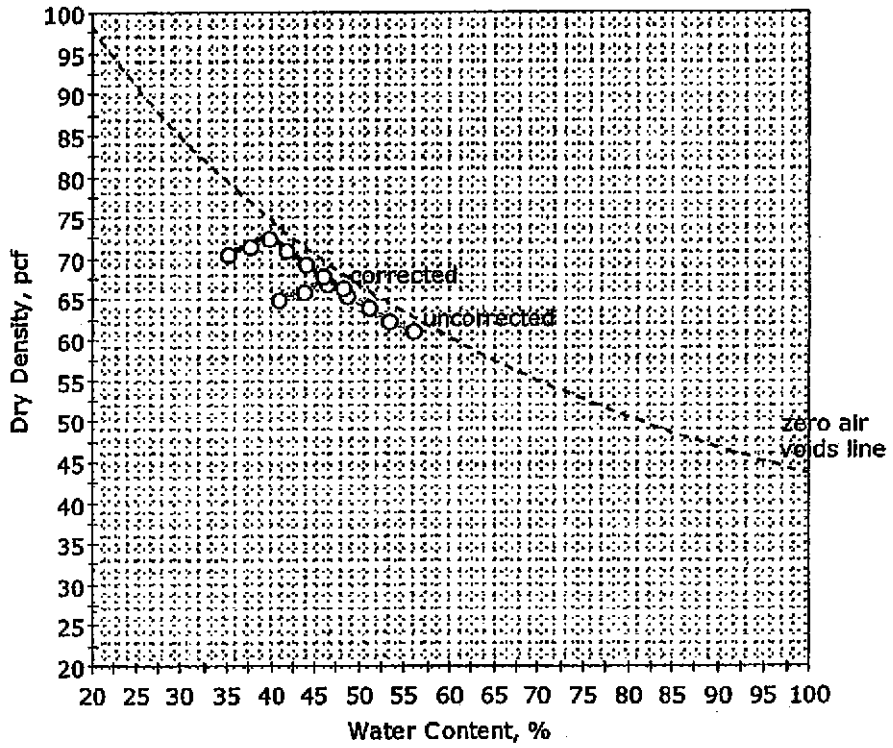
GeoTesting Express, Inc.

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	cmt
Sample ID: 0410SS-A	Test Date: 06/17/04	Checked By:	fh
Depth : ---	Test Id: 53972		
Sample Description:	Moist, gray silt		
Sample Comment:			
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7
Dry density, pcf	65.2	66.2	67.1	65.7	64.0	62.5	61.1
Moisture Content, %	40.8	43.7	46.2	48.5	50.9	53.2	55.8

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.3

Maximum Dry Density= 67.0 pcf

Optimum Moisture= 46.0 %

Oversize Correction (14.0% > #4 Sieve)

Corrected Maximum Dry Density= 72.5 pcf

Corrected Optimum Moisture= 39.5 %

Average Bulk Specific Gravity (assumed)= 2.37

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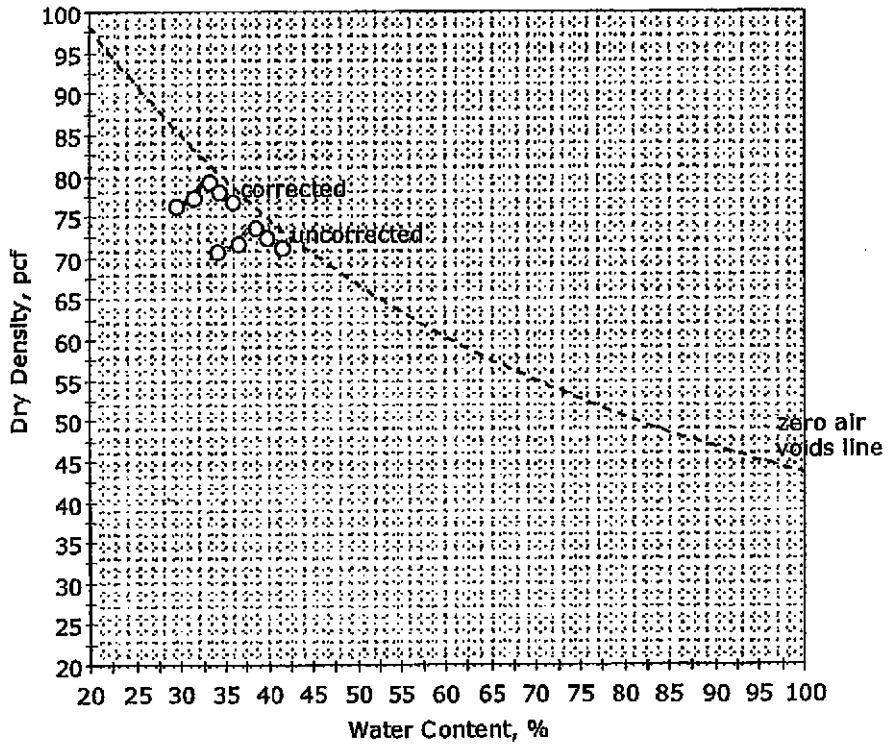
GeoTesting Express, Inc.

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	cmt
Sample ID: 0410SS-B	Test Date: 06/16/04	Checked By:	fh
Depth : ---	Test Id: 53973		
Sample Description:	Moist, blueish gray silt with gravel		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	71.0	71.8	73.8	72.5	71.4
Moisture Content, %	34.0	36.4	38.4	39.6	41.5

Method : B

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.3

Maximum Dry Density= 74.0 pcf
Optimum Moisture= 38.5 %

Oversize Correction (14.0% > 3/8 inch Sieve)
Corrected Maximum Dry Density= 79.5 pcf
Corrected Optimum Moisture= 33.0 %
Average Bulk Specific Gravity (assumed)= 2.37

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Specific Gravity of Soils by ASTM D 854

Client:	Maxymillian Technologies	GTX #:	5150
Project Name:		Test Date:	6/4/04 - 6/24/04
	Phase II Remediation - Pownal Tannery Superfund Site	Tested By:	njh/ahp
Project Location:	Pownal, VT	Checked By:	fph

Sample ID	Visual Description	Specific Gravity @ 20C	
0406SS	Moist, gray silty sand	2.22	
		2.14	
		2.18	
		Average	2.18
0617SS1	Moist, very dark gray silty sand	2.13	
		2.09	
		2.12	
		Average	2.11
0617SS2	Moist, dark gray silty sand	2.23	
		2.32	
		2.17	
		Average	2.24

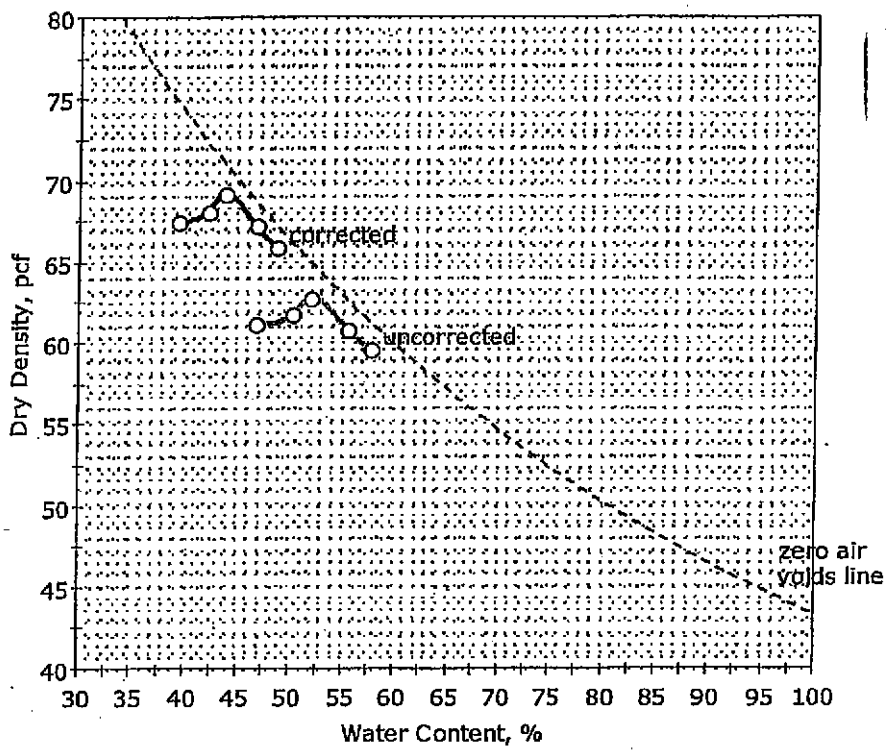
Notes: Specific gravity performed on material passing No. 4 sieve by using method A (oven dried specimens) of ASTM D 854.

Notes: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin,

GeoTesting Express, Inc.

Client:	N.L. Construction, Inc.				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	ahp
Sample ID:	0617SS-2	Test Date:	06/21/04	Checked By:	fh
Depth :	---	Test Id:	54405		
Sample Description:	Moist, dark gray silty sand				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	61.2	61.8	62.8	60.9	59.6
Moisture Content, %	46.7	50.1	51.7	55.4	57.8

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on specific gravity of 2.27

Maximum Dry Density= 63.0 pcf

Optimum Moisture= 52.0 %

Oversize Correction (15.8% > #4 Sieve)

Corrected Maximum Dry Density= 69.0 pcf

Corrected Optimum Moisture= 44.0 %

Average Bulk Specific Gravity = 2.44

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Transmittal of Documents for Acceptance by EPA*

Date: **07/12/04**

Transmittal No. **30C**

Specification Section: **02343**

To:
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

CC: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Sludge Stabilization		
3.08.B.1	Stabilized Sludge Proctor Information	2	
	Test Date: 06/22/04, 06/30/04		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

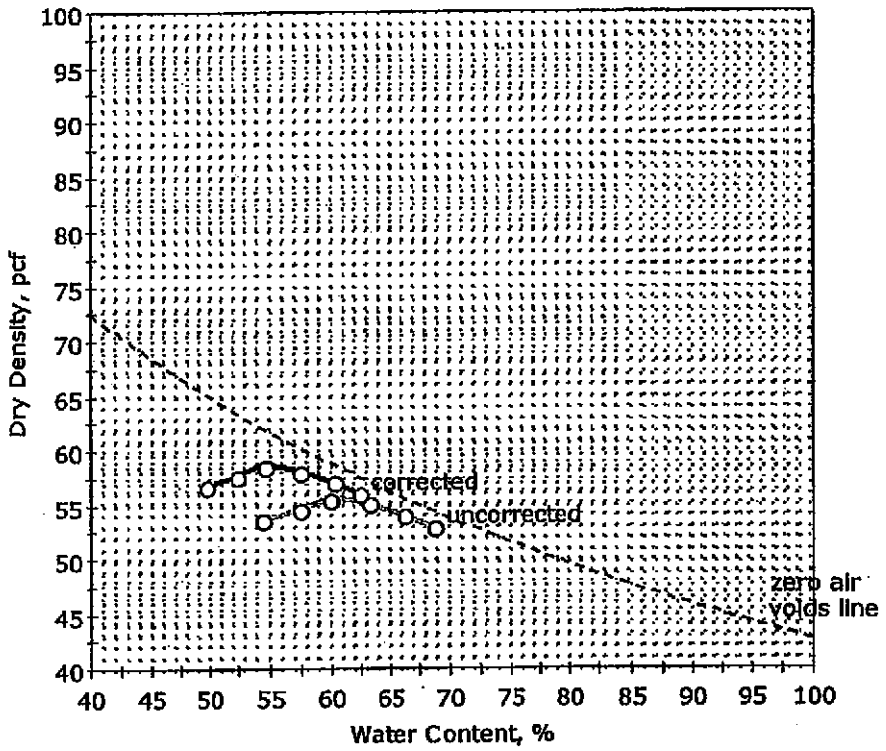
MT 30C

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	mch
Sample ID: 0622SS-1	Test Date: 07/01/04	Checked By:	fh
Depth : ---	Test Id: 54672		
Sample Description:	Moist, dark gray silty sand		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
Dry density, pcf	53.6	54.6	55.5	55.0	54.0	52.9
Moisture Content, %	54.5	57.4	59.9	63.2	66.3	68.6

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.17

Maximum Dry Density= 55.5 pcf
Optimum Moisture= 60.5 %

Oversize Correction (9.0% > #4 Sieve)
Corrected Maximum Dry Density= 58.5 pcf
Corrected Optimum Moisture= 55.0 %
Average Bulk Specific Gravity (assumed)= 2.14

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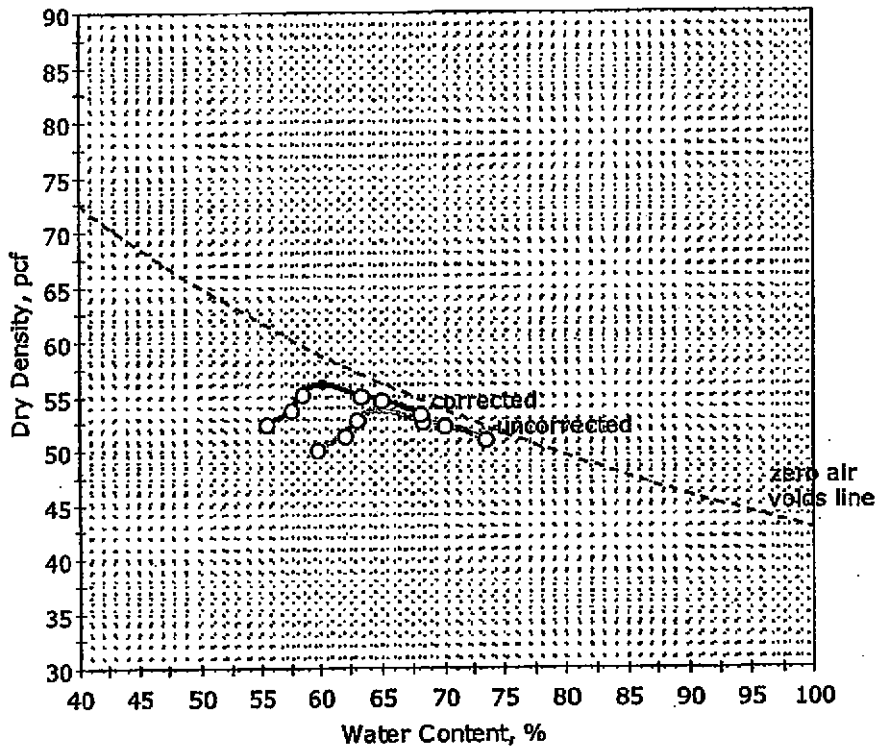
GeoTesting express

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	mch
Sample ID: 0622SS-2	Test Date: 07/01/04	Checked By:	fh
Depth : ---	Test Id: 54673		
Sample Description:	Moist, gray silt		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
Dry density, pcf	50.3	51.5	52.8	52.7	52.3	51.1
Moisture Content, %	59.6	61.9	62.9	68.1	69.9	73.3

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.17

Maximum Dry Density= 53.5 pcf
Optimum Moisture= 65.0 %

Oversize Correction (7.2% > #4 Sieve)
Corrected Maximum Dry Density= 56.0 pcf
Corrected Optimum Moisture= 60.0 %
Average Bulk Specific Gravity (assumed)= 2.1

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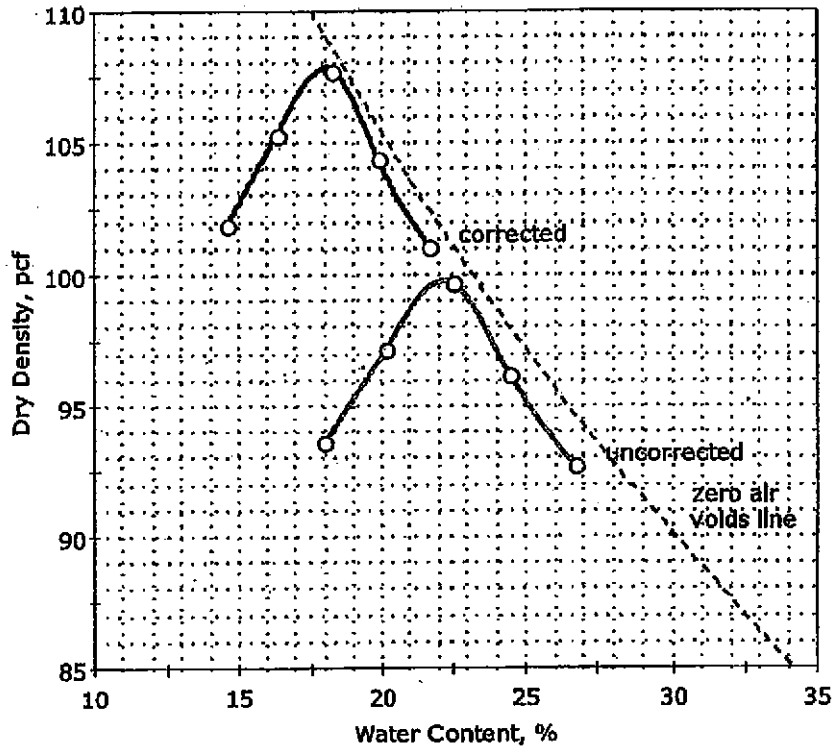
GeoTesting express

Client:	N.L. Construction, Inc.		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	mch
Sample ID: L#5SS-12%	Test Date: 06/29/04	Checked By:	fh
Depth : ---	Test Id: 54932		
Sample Description:	Moist, olive brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	93.6	97.2	99.7	96.2	92.7
Moisture Content, %	17.9	20.2	22.5	24.5	26.7

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.55

Maximum Dry Density= 100.0 pcf

Optimum Moisture= 22.0 %

Oversize Correction (18.8% > #4 Sieve)

Corrected Maximum Dry Density= 108.0 pcf

Corrected Optimum Moisture= 18.0 %

Average Bulk Specific Gravity (assumed)= 2.65

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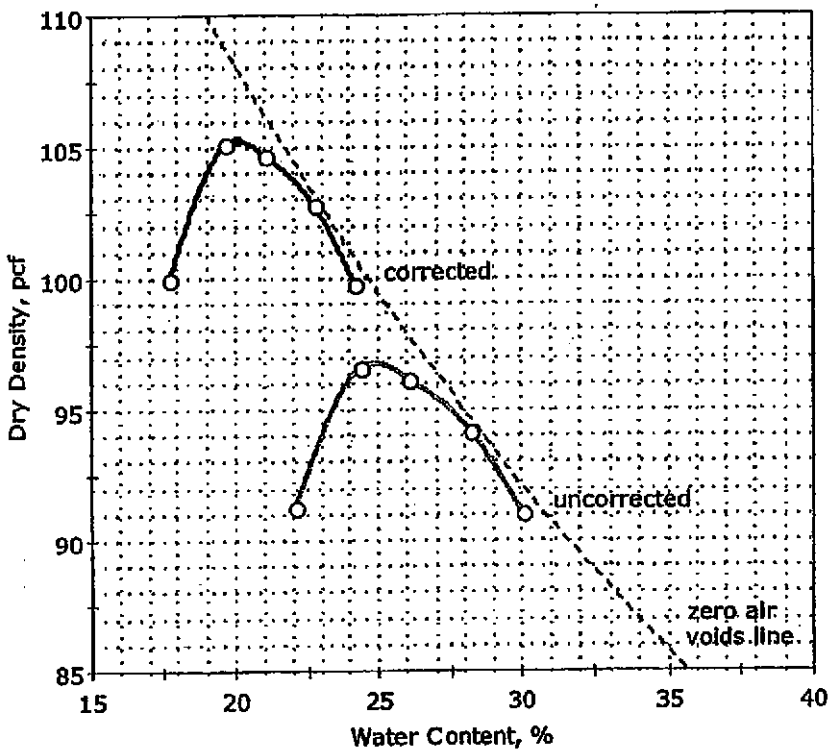
GeoTesting express

Client:	N.L. Construction, Inc.				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	mch
Sample ID:	L#5SS-16%	Test Date:	06/29/04	Checked By:	fh
Depth :	---	Test Id:	54934		
Sample Description:	Moist, gray sandy silt				
Sample Comment:	—				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	91.3	96.6	96.2	94.2	91.0
Moisture Content, %	22.0	24.4	26.1	28.2	30.1

Method : C

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 97.0 pcf
Optimum Moisture= 25.0 %

Oversize Correction (19.5% > 3/4 inch Sieve)
Corrected Maximum Dry Density= 105.5 pcf
Corrected Optimum Moisture= 20.0 %
Average Bulk Specific Gravity (assumed)= 2.65

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Transmittal of Documents for Acceptance by EPA* Date: **07/12/04** Transmittal No. **30D**

Specification Section: **02343**

To:
Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:
N.L. Construction Inc.
545 West Street
Ludlow MA 01056

CC: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Sludge Stabilization		
3.08.B.1	Stabilized Sludge Proctor Information	2	
	Test Date: 06/23/04, 06/24/04, 06/30/04		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer
	Date

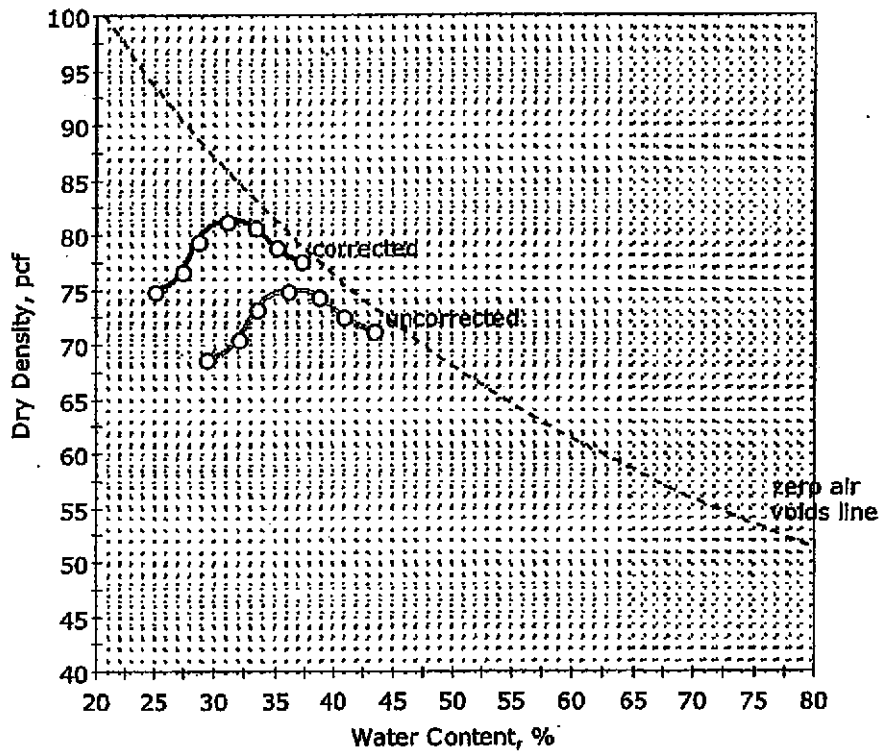
MT 30D

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	mch
Sample ID: 0623SS-1	Test Date: 06/30/04	Checked By:	fh
Depth : ---	Test Id: 54926		
Sample Description:	Moist, olive gray silty sand		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7
Dry density, pcf	68.7	70.5	73.2	74.9	74.4	72.6	71.2
Moisture Content, %	29.2	31.9	33.4	36.1	38.8	40.8	43.4

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.4

Maximum Dry Density=	75.0 pcf
Optimum Moisture=	37.0 %
Oversize Correction	(14.3% > #4 Sieve)
Corrected Maximum Dry Density=	81.5 pcf
Corrected Optimum Moisture=	31.5 %
Average Bulk Specific Gravity (assumed)=	2.65

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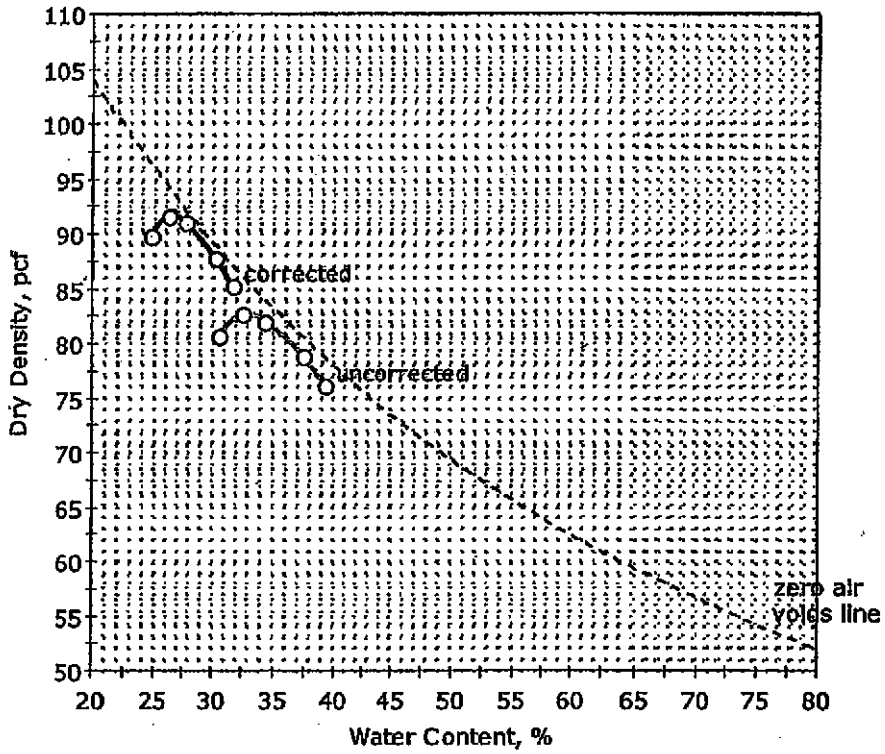
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	mch
Sample ID: 0623SS-2	Test Date: 07/01/04	Checked By:	fh
Depth : ---	Test Id: 54927		
Sample Description:	Moist, olive brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	80.8	82.8	82.1	78.9	76.3
Moisture Content, %	30.5	32.5	34.3	37.4	39.3

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.5

Maximum Dry Density= 83.0 pcf
Optimum Moisture= 33.0 %

Oversize Correction (19.5% > #4 Sieve)
Corrected Maximum Dry Density= 91.5 pcf
Corrected Optimum Moisture= 26.5 %
Average Bulk Specific Gravity (assumed)= 2.65

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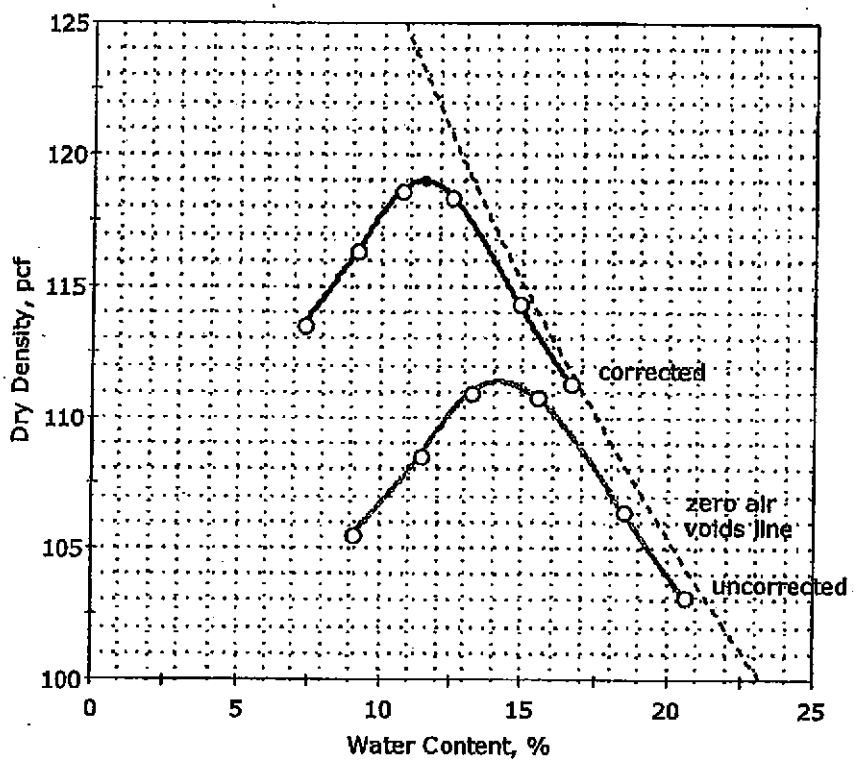
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	mch
Sample ID: 0623SS-3	Test Date: 07/01/04	Checked By:	fh
Depth : ---	Test Id: 54928		
Sample Description:	Moist, olive brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
Dry density, pcf	105.6	108.5	111.0	110.8	106.4	103.2
Moisture Content, %	9.1	11.4	13.2	15.5	18.4	20.6

Method : B

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.55

Maximum Dry Density=	111.5 pcf
Optimum Moisture=	14.0 %
Oversize Correction	(19.5% > 3/8 inch Sieve)
Corrected Maximum Dry Density=	119.0 pcf
Corrected Optimum Moisture=	11.5 %
Average Bulk Specific Gravity (assumed)=	2.65

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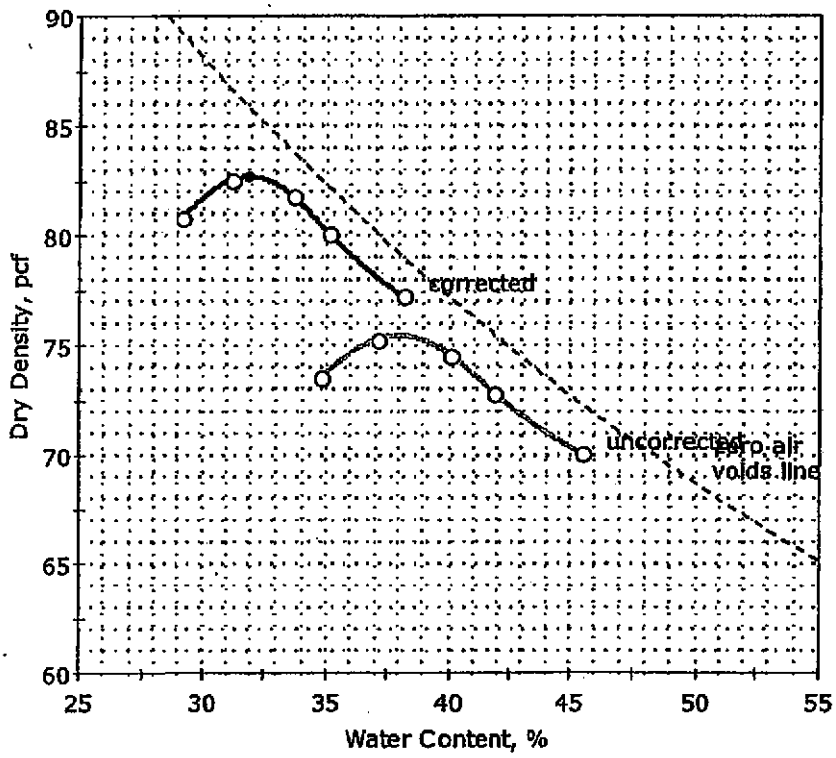
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	mch
Sample ID: 0624SS-1	Test Date: 06/30/04	Checked By:	fh
Depth : ---	Test Id: 54930		
Sample Description:	Moist, olive brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	73.6	75.3	74.6	72.8	70.1
Moisture Content, %	34.8	37.1	40.1	41.8	45.5

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.45

Maximum Dry Density= 75.5 pcf
Optimum Moisture= 38.0 %

Oversize Correction (16.1% > #4 Sieve)
Corrected Maximum Dry Density= 82.5 pcf
Corrected Optimum Moisture= 32.0 %
Average Bulk Specific Gravity (assumed)= 2.65

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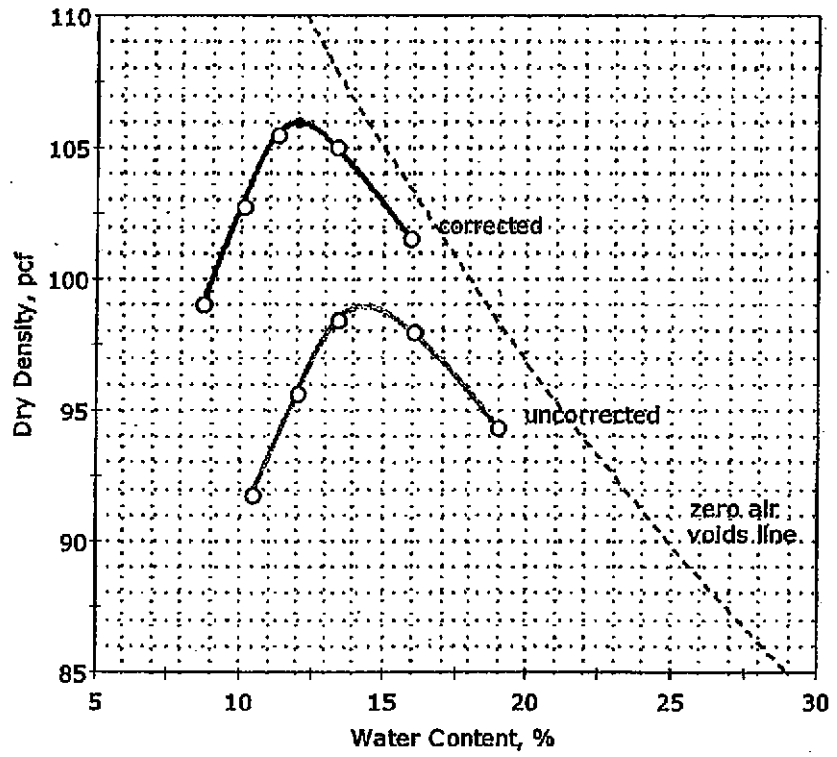
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	mch
Sample ID: 0630SS-1	Test Date: 07/02/04	Checked By:	fh
Depth : ---	Test Id: 55277		
Sample Description:	Moist, grayish brown silty sand		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	91.8	95.7	98.4	98.0	94.4
Moisture Content, %	10.4	12.0	13.4	16.0	18.9

Method : B

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.25

Maximum Dry Density=	99.0 pcf
Optimum Moisture=	14.5 %
Oversize Correction	(16.5% > 3/8 inch Sieve)
Corrected Maximum Dry Density=	106.0 pcf
Corrected Optimum Moisture=	12.0 %
Average Bulk Specific Gravity (assumed)=	2.65

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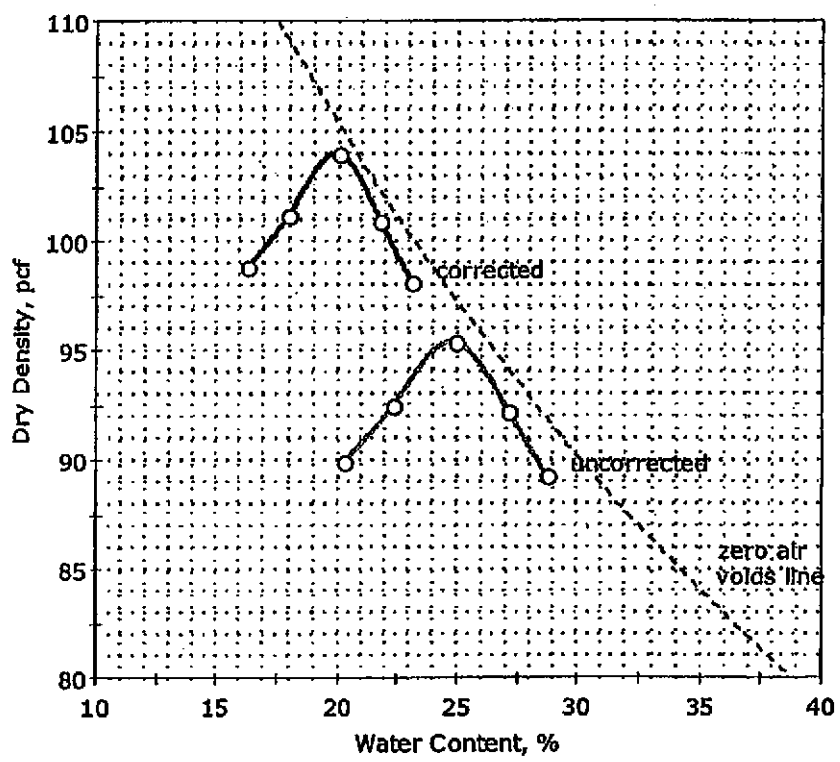
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	mch
Sample ID:	L#5SS-10%	Test Date:	06/30/04	Checked By:	fh
Depth :	---	Test Id:	54931		
Sample Description:	Moist, olive brown silty sand				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	89.9	92.4	95.4	92.2	89.2
Moisture Content, %	20.3	22.4	24.9	27.1	28.8

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.55

Maximum Dry Density=	95.5 pcf
Optimum Moisture=	25.0 %
Oversize Correction	(19.6% > #4 Sieve)
Corrected Maximum Dry Density=	104.0 pcf
Corrected Optimum Moisture=	20.0 %
Average Bulk Specific Gravity (assumed)=	2.65

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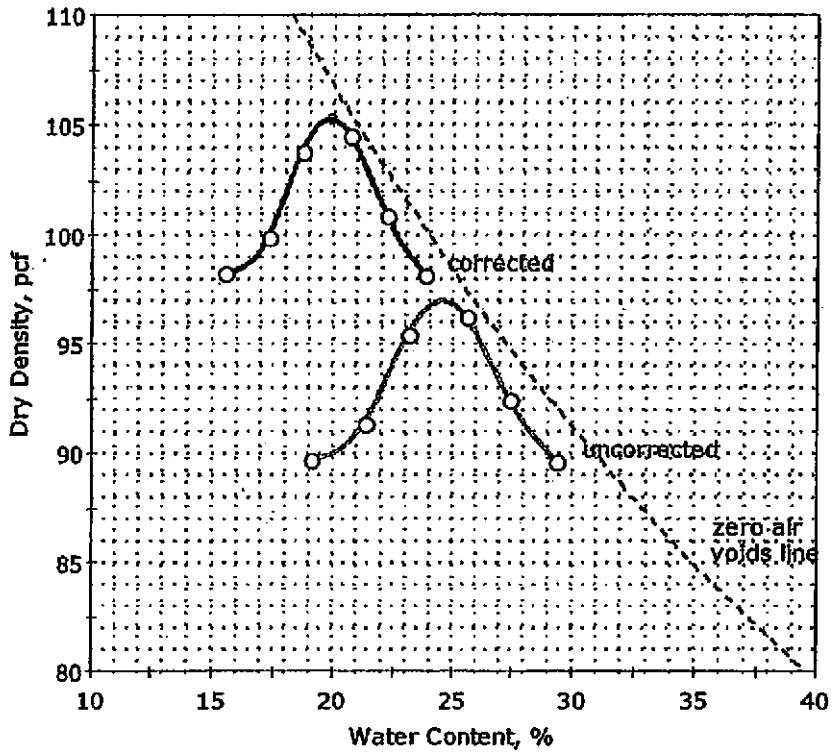
GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	mch
Sample ID:	L#5SS-14%	Test Date:	06/29/04	Checked By:	fh
Depth :	---	Test Id:	54933		
Sample Description:	Moist, dark grayish brown silty sand				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
Dry density, pcf	89.7	91.4	95.5	96.2	92.4	89.6
Moisture Content, %	19.1	21.3	23.1	25.6	27.4	29.3

Method : B

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.6

Maximum Dry Density= 97.0 pcf
Optimum Moisture= 24.5 %

Oversize Correction (19.0% > 3/8 inch Sieve)
Corrected Maximum Dry Density= 105.0 pcf
Corrected Optimum Moisture= 20.0 %
Average Bulk Specific Gravity (assumed)= 2.65

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Transmittal of Documents for Acceptance by EPA*

Date: **07/28/04**

Transmittal No. **30E**

Specification Section: **02343**

To:

Neil Thurber, Project Engineer
Metcalf & Eddy
710 Edgewater Drive
Wakefield MA 01880

Dale Weiss, Project Manager
TRC Environmental Corp.
Boot Mills South,Foot of John Street
Lowell MA 01852

From:

N.L. Construction Inc.
545 West Street
Ludlow MA 01056

CC: Juraj J. Bajgar, M&E Resident Engineer
Metcalf & Eddy
22 Dean Street
Pownal VT 05261

☐ New Transmittal

☐ Resubmittal of Transmittal No.

☑ THIS IS A TRANSMITTAL WITH ADD'L INFORMATION

Subtask No.	Deliverable:	No. of Copies:	Remarks:
	Sludge Stabilization		
3.08.B.1	Stabilized Sludge Proctor Information	2	
	Test Date: 06/30, 07/02, 07/09 and 07/15/04		

Acceptance Action

Documents Found Acceptable (list by subtask no.)	Name/Title/Signature of Reviewer Date

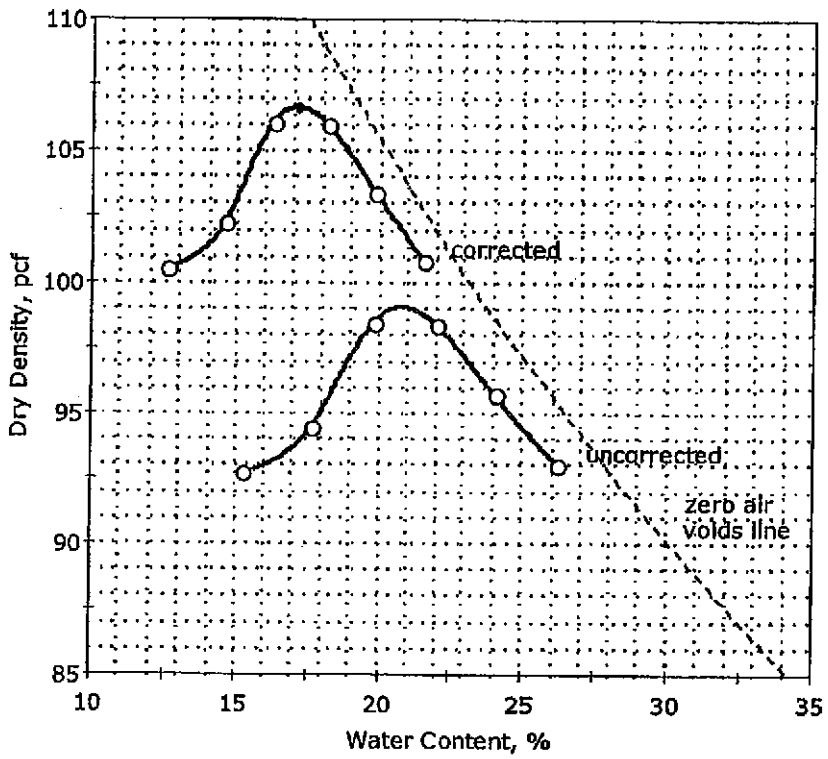
MT 30E

*For use by the contractor when submitting a deliverable to the RPM/WAM.

GeoTesting express

Client:	Maxymillian Technologies				
Project:	Phase II Remediation - Pownal Tannery Superfund				
Location:	Pownal, VT			Project No:	GTX-5150
Boring ID:	---	Sample Type:	bucket	Tested By:	mch
Sample ID:	0630SS-2	Test Date:	07/09/04	Checked By:	fh
Depth :	---	Test Id:	55278		
Sample Description:	Moist, grayish brown silt				
Sample Comment:	---				
Test Comment:	---				

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
Dry density, pcf	92.7	94.5	98.5	98.4	95.7	93.0
Moisture Content, %	15.2	17.7	19.8	22.0	24.1	26.2

Method : A

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.55

Maximum Dry Density= 99.0 pcf
Optimum Moisture= 21.0 %

Oversize Correction (17.7% > #4 Sieve)
Corrected Maximum Dry Density= 106.5 pcf
Corrected Optimum Moisture= 17.0 %
Average Bulk Specific Gravity = 2.65

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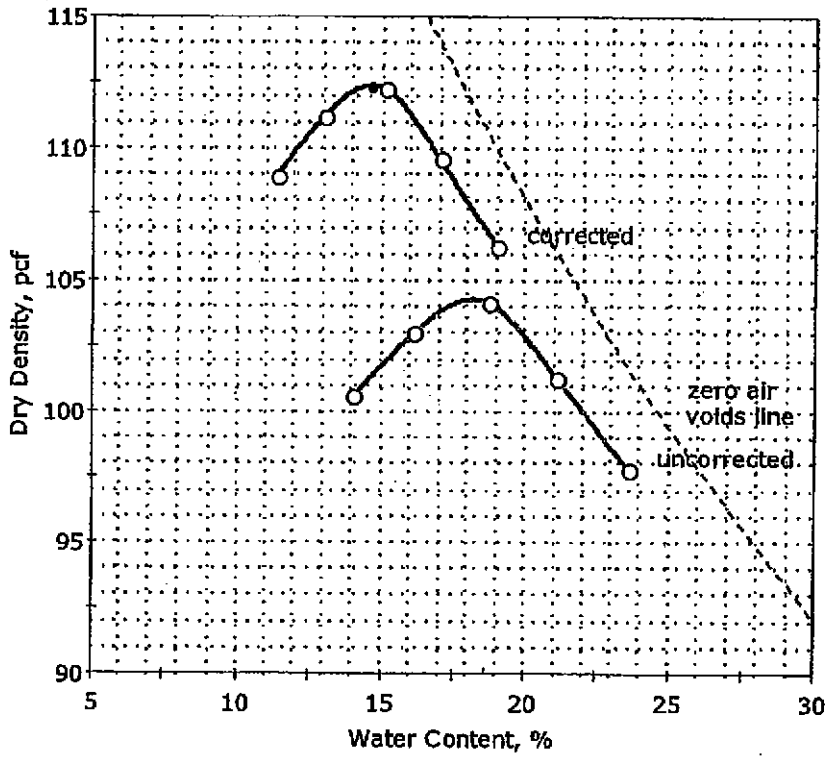
GeoTesting express

Client:	Maxymillian Technologies		
Project:	Phase II Remediation - Pownal Tannery Superfund		
Location:	Pownal, VT	Project No:	GTX-5150
Boring ID: ---	Sample Type: bucket	Tested By:	ahp
Sample ID: 0715SS-1	Test Date: 07/22/04	Checked By:	jdt
Depth : ---	Test Id: 56438		
Sample Description:	Moist, gray silt		
Sample Comment:	---		
Test Comment:	---		

Compaction Report - ASTM D 698



Data Points	Point 1	Point 2	Point 3	Point 4	Point 5
Dry density, pcf	100.6	103.0	104.2	101.3	97.8
Moisture Content, %	14.1	16.2	18.7	21.1	23.6

Method : B

Preparation : WET

As received Moisture :

Rammer : Manual

Zero voids line based on assumed specific gravity of 2.65

Maximum Dry Density= 104.5 pcf
Optimum Moisture= 18.0 %

Oversize Correction (19.5% > 3/8 inch Sieve)
Corrected Maximum Dry Density= 112.5 pcf
Corrected Optimum Moisture= 14.5 %
Average Bulk Specific Gravity = 2.65

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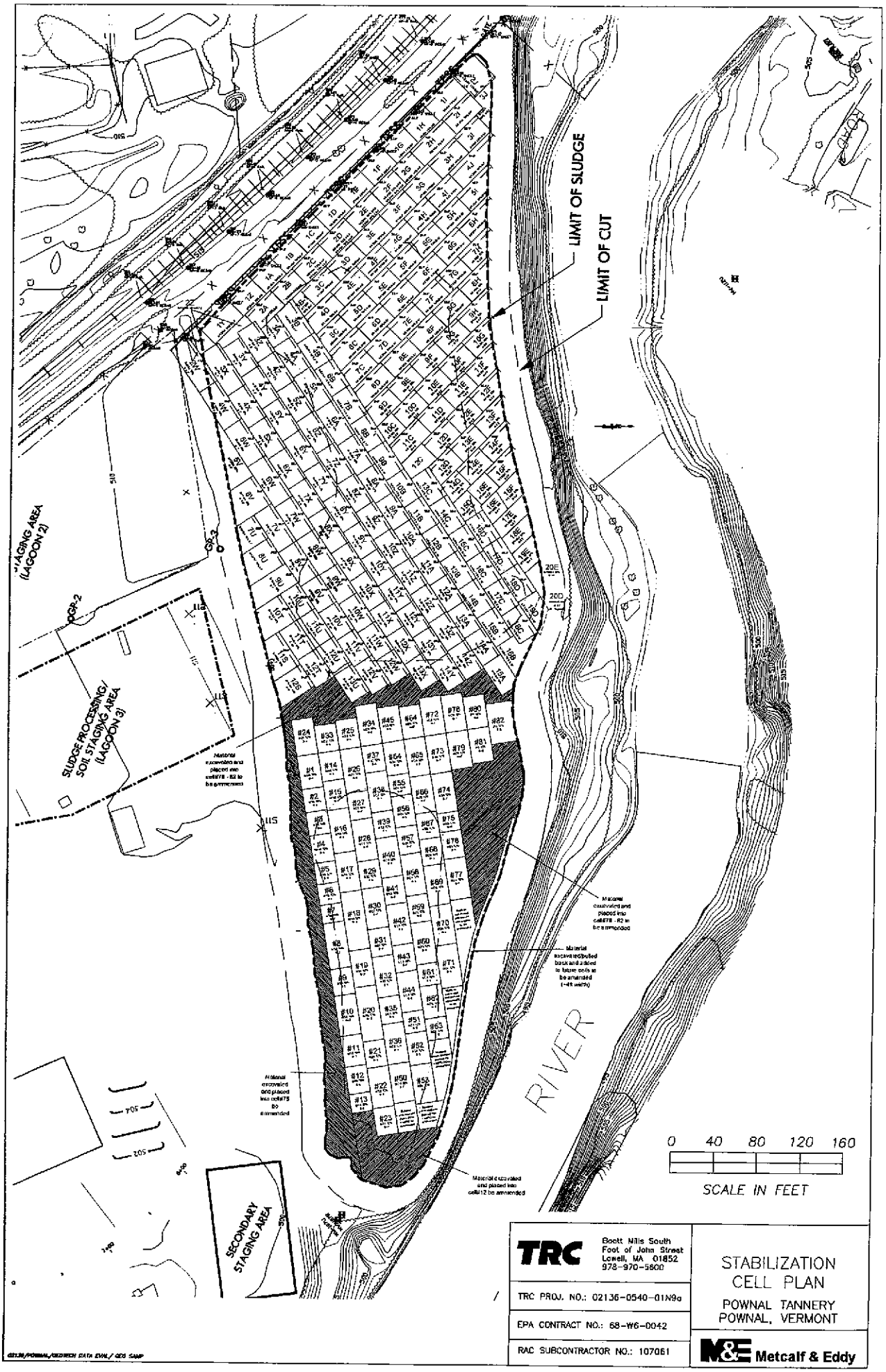
LIMIT OF SLUDGE
LIMIT OF CUT
STAGING AREA (LAGOON 2)
SLUDGE PROCESSING/ SOIL STAGING AREA (LAGOON 3)
SECONDARY STAGING AREA
RIVER
0 40 80 120 160
SCALE IN FEET
TRC
Boott Mills South
Foot of John Street
Lowell, MA 01852
978-970-5600
TRC PROJ. NO.: 02136-0540-01N9a
EPA CONTRACT NO.: 68-W6-0042
RAC SUBCONTRACTOR NO.: 107061
STABILIZATION CELL PLAN
POWNAL TANNERY
POWNAL, VERMONT
M&E Metcalf & Eddy

FIELD REPORTS AND OBSERVATIONS
Daily Geosynthetics Installation

QA CAP INSTALLATION FIELD OBSERVATIONS LOG
POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

DATE : 7/16/04

CLIENT: EPA **CONTRACTOR:** Maxymillian/Samleen, LLC
QA: M&E/TRC

Report Number: 1
Weather: **A.M.:** Some clouds **P.M.:** Some clouds
Rainfall: None
Temperature: Low 70s *ind Direction:* Slight southern wind

WORK OBSERVED: TRC continuously observed the installation of the 6-inch gas vent layer which started on 7/8/04. Grade stakes were used for deployment of the material and the material was deployed at a thickness of 6 inches.

INSPECTIONS/TESTS: Two TRC site inspectors conducted a survey of the gas vent sand layer to insure proper thickness. Thicknesses were checked approximately every 50 LF in a grid pattern. The landfill had the appropriate thickness (6-inches) of gas vent sand installed.

EQUIPMENT:

Potential Issues:

Comments: TRC identified grade stakes that were broken off in the gas vent sand layer. Maxy removed the grade stacks upon request.

Attachments:

BY: *A. Hamilton*
TRC

QA CAP INSTALLATION FIELD OBSERVATIONS LOG
POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

DATE : 7/20/04

CLIENT: EPA **CONTRACTOR:** Maxymillian/Samleen, LLC
QA: M&E/TRC

Report Number: 2
Weather: A.M.: Overcast P.M.: Sun, some cloud cover
Rainfall: None
Temperature: AM: 67.8 F PM: 71.3 F *Wind Direction:* Slight northern wind

WORK OBSERVED: TRC witnessed 100% of trial weld tests. TRC witnessed 100% of destructive tests. Observed Samleen, LLC deploy 120,510 SF of 40 mil geomembrane, panels 1 to 43, and seam 4,837.5 LF. No non-destructive tests were conducted.

INSPECTIONS/TESTS: Collected one destructive test (DS-1) at 1500 LF; seam junction of panels 15 and 16. Layed out locations for the next 2 destructive tests to be collected in the morning of 7/21/04. Field testing of DS-1 passed specification requirements for peel and shear.

EQUIPMENT:
- 2 Fusion Seamers
- 1 Tensiometer
- 1 Excavator w/operator
- ATV

Potential Issues: Risers for Gas Vents have not been installed to date.

Comments: Quantities provided are approximate; no supporting documentation received to date.

Attachments: Draft Panel Layout by TRC; Forms prepared by Samleen

BY: *A. Hamilton*
TRC

QA CAP INSTALLATION FIELD OBSERVATIONS LOG
POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

DATE : 7/21/04

CLIENT: EPA

CONTRACTOR: Maxymillian/Samleen, LLC

QA: M&E/TRC

Report Number: 3
Weather: **A.M.:** Overcast **P.M.:** Sun
Rainfall: None
Temperature: AM: L 70s F PM: 85 F

Wind Direction: Slight northern wind

WORK OBSERVED: TRC witnessed 100% of trial weld tests. TRC witnessed 100% of destructive tests. Samleen, LLC deployed 84,465 SF of 40 mil geomembrane, panels 44 to 62 and seamed 3,782.5 LF. Geocomposite was staged on northern top of landfill. Maxy installed risers on 2 northern GVs (1 & 2).

7/20/04 seamed length: 5,431 LF
7/21/04 seamed length: 4,102.5 LF
Total Destructive tests (1/1,500 LF) = Approx. 6 required to date

INSPECTIONS/TESTS: Collected two destructive test (DS-2 & DS-3) located at the seam junctions of panels 23/24 and 34/35 respectively. Layed out locations for the next 3 destructive tests to be collected in the morning of 7/22/04. Field testing of DS-2 & DS-3 passed specification requirements for peel and shear. Samleen conducted nondestructive air seam testing and provided documentation up to seam 15/16. Air testing extends to approx. to P-30.

EQUIPMENT:
- 2 Fusion Seamers
- 2 Extrusion guns
- 1 Tensiometer
- HD 4520 Dozer
- 1 Excavator w/operator
- ATV

Potential Issues: Southeastern edge of landfill - extent of sludge. Please see M&E daily report for details.

Comments: Received documentation from Samleen for 7/20 and 7/21.

Attachments: Draft Panel Layout by TRC; Forms prepared by Samleen

BY: *A. Hamilton*
TRC

SAMLEEN, LLC
32 Crescent Ridge Road
Boonton, NJ 07005

SAMLEEN, LLC
32 CRESCENT RIDGE ROAD • BOONTON, NJ 07005
TEL: (973) 664-9877 • FAX: (973) 664-9377

DAILY LOG

PROJECT NAME: Pownel
PROJECT: #
SUPERINTENDENT: M. Stone
QC: J Atkins
WEATHER CONDITIONS: Hot Cloudy
DATE: 7-21-04
LINER DESCRIPTION: LLDPE
MILS: 40

TOTAL PERSONNEL ON SITE: 10
TECHNICIANS: 10
TOTAL HOURS: 12
LABORERS:

MISCELLANEOUS EQUIPMENT: truck trailer Quad Spindles - I-Beam
GENERATORS: 3
TENSIOMETERS: 1
FUSION WELDERS: 2
EXTRUSION WELDERS: 2

TOTAL SQUARE FEET INSTALLED
TOTAL SQUARE FEET INSTALLED: 84,465

COMMENTS/DELAYS/MISC: Arrived on site 7:00am
Staged Composit on N Tip of Site
Deployed LLDPE Stopped Deployment around 4:00

Begin Airtest
Pulled Destructs
Marked 4,5,6 Destructs 3,2, went out earlier

Started Repairs (2) guns

off site 7:30pm

[illegible]

[illegible]

QA CAP INSTALLATION FIELD OBSERVATIONS LOG
POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

DATE : 7/22/04

CLIENT: EPA

CONTRACTOR: Maxymillian/Samleen, LLC

QA: M&E/TRC

Report Number: 4
Weather: A.M.: Overcast P.M.: Sun
Rainfall: None
Temperature: AM: L 70s F PM: 80 F
Wind Direction: Slight northern wind

WORK OBSERVED: TRC witnessed 100% of trial weld tests. TRC witnessed 100% of destructive tests. Samleen, LLC deployed 10 rolls of geocomposite, 13,400 SF. Geocomposite was staged on top of landfill. Continued with repair work and started non-destructive testing of repairs. Deployed Panel 63 in far eastern trench of landfill. Approx. 6,300 SF of liner deployed. 8 rolls of geocomposite were returned due to failed transmissivity testing. TRC witnessed that all non-destructive testing was completed prior to geocomposite deployment. All seams were marked with air testing pressures that passed and all patchwork was marked with Vbox OK.

INSPECTIONS/TESTS: Collected three destructive test samples (DS-4, DS-5 & DS-6) located at the seam junctions of panels 49/50, 54/56 60/61 respectively. Field testing of DS-4, DS-5 & DS-6 passed specification requirements for peel and shear. Samleen conducted nondestructive air seam testing and provided documentation up to seam 44/45.

EQUIPMENT:

0 Fusion Seamers
1 Extrusion guns
1 Tensiometer
2 Excavators w/operator to deploy P-63
1 Loader w/forks to move composite
ATV

Potential Issues: Southeastern edge of landfill - trench/swale detail. Please see M&E daily report for details. 1 laborer was sent to the hospital with chest pains.

Comments: Found one seam that was mislabeled in non-destructive test log; area uncovered. Brought the issue to the attention of J. Atkins and the seam was relabeled in the log.

Attachments: Draft Panel Layout by TRC; Forms prepared by Samleen

BY: *A. Hamilton*
TRC

SAMLEEN, LLC
32 Crescent Ridge Road
Boonton, NJ 07005

SAMLEEN, LLC
32 CRESCENT RIDGE ROAD • BOONTON, NJ 07005
TEL: (973) 664-9877 • FAX: (973) 664-9377

DAILY LOG

PROJECT NAME: Pownal Tannery **PROJECT: #**
SUPERINTENDENT: M. Stone **QC:** J. Atkins
WEATHER CONDITIONS: Clear **DATE:** 7-22
LINER DESCRIPTION: LLDPE Ultra Flex **MILS:** 40

TOTAL PERSONNEL ON SITE: 10 **TECHNICIANS:** 10
TOTAL HOURS: 12 **LABORERS:** 0

MISCELLANEOUS EQUIPMENT: Truck Trailer Quad Beam Spindles
GENERATORS: 2
TENSIOMETERS: 1
FUSION WELDERS: 2
EXTRUSION WELDERS: 2

TOTAL SQUARE FEET INSTALLED: ~~19,720~~ 19,000

COMMENTS/DELAYS/MISC: Arrived on site 700
Finished Air Testing
Staged Rolls of Composit
D.O. Repairs
Started V-Testing

Deployed 10 Roll Composit ~~13,400~~ 13,400 - Geo

Deployed liner in 14' Deep trench 280' 6,300 sq.ft. - Liner

Glenn A. Hale

of Site

19,000

SAMLEEN, LLC
32 Crescent Ridge Road
Boonton, NJ 07005

SAMLEEN, LLC
32 CRESCENT RIDGE ROAD • BOONTON, NJ 07005
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DAILY LOG

PROJECT NAME: Pownal Tannery
PROJECT: #
SUPERINTENDENT:
QC:
WEATHER CONDITIONS: Clear
DATE: 7-22-04
LINER DESCRIPTION: LLDPE
MILS: 40

TOTAL PERSONNEL ON SITE:
TECHNICIANS:
TOTAL HOURS:
LABORERS:

MISCELLANEOUS EQUIPMENT:
GENERATORS:
TENSIOMETERS:
FUSION WELDERS:
EXTRUSION WELDERS:

TOTAL SQUARE FEET INSTALLED:

COMMENTS/DELAYS/MISC: 8 rolls of composite
to be returned 171
170
169
168
167
166 — two rolls same #
165

FAILED TRANSMISSION

7/22/04
Omnite Transportation

ANY 342 570 863 OVERNITE

QA CAP INSTALLATION FIELD OBSERVATIONS LOG
POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

DATE : 7/23/04

CLIENT: EPA

CONTRACTOR: Maxymillian/Samleen, LLC

QA: M&E/TRC

Report Number: 5

Weather: A.M.: Rain P.M.: Rain

Rainfall: Heavy Showers

Temperature: AM: L 70s F PM: 70s F

Wind Direction: Slight northern wind

WORK OBSERVED: Samleen, LLC deployed 18 rolls of geocomposite, 24,120 SF. Continued non-destructive testing of repairs until rain. Geocomposite deployed to approximately P-25. TRC witnessed that all non-destructive testing was completed prior to geocomposite deployment. All seams were marked with air testing pressures that passed and all patchwork was marked with Vbox OK.

INSPECTIONS/TESTS:

EQUIPMENT:

0 Fusion Seamers
0 Extrusion guns
1 Tensiometer
1 Loader w/forks to move composite
ATV

Potential Issues: Southeastern edge of landfill - trench/swale detail. Please see M&E daily report for details. The laborer that was sent to the hospital with chest pains yesterday was kept overnight until a stress test was performed. Returned to the site midmorning.

Comments: Completed paperwork for the liner, documenting repairs and non-destructive testing, was not finished today for review due to the rain.

Attachments: Forms prepared by Samleen

BY: *A. Hamilton*
TRC

SAMLEEN, LLC
32 Crescent Ridge Road
Boonton, NJ 07005

SAMLEEN, LLC
32 CRESCENT RIDGE ROAD • BOONTON, NJ 07005
TEL: (973) 664-9877 • FAX: (973) 664-9377

DAILY LOG

PROJECT NAME: Pownal
PROJECT: #
SUPERINTENDENT: M. Stone
QC: J. Atkins
WEATHER CONDITIONS: Rainy
DATE: 7-23
LINER DESCRIPTION: LLDPE ULTRA Flex
MILS: 40

TOTAL PERSONNEL ON SITE: 10
TECHNICIANS: 10
TOTAL HOURS: 8
LABORERS:

MISCELLANEOUS EQUIPMENT: TRUCK TRAILER Quad Liesters (2) - V-Box (1)
GENERATORS: 1
TENSIOMETERS: 1
FUSION WELDERS:
EXTRUSION WELDERS: 1

TOTAL SQUARE FEET INSTALLED: 24,120 18 Rolls

COMMENTS/DELAYS/MISC: Arrived on site 7:00am
Finished repairs Deployed Composit Continued on Vaccum test
Also
Raining 11:15am in & out of Rain till 3:30pm

Glenn Houle
Glenn B Houle

QA CAP INSTALLATION FIELD OBSERVATIONS LOG
POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

DATE : 7/24/04

CLIENT: EPA

CONTRACTOR: Maxymillian/Samleen, LLC

QA: M&E/TRC

Report Number: 6

Weather: A.M.: Sun P.M.: Sun

Rainfall: None

Temperature: AM: L 70s F PM: 80s F

Wind Direction: Slight northern wind

WORK OBSERVED: Samleen, LLC deployed 44 rolls of geocomposite, ~58,960 SF. Continued non-destructive testing of repairs. TRC witnessed that all non-destructive testing was completed prior to geocomposite deployment. All seams were marked with air testing pressures that passed and all patchwork was marked with Vbox OK.

INSPECTIONS/TESTS:

EQUIPMENT:

0 Fusion Seamers
0 Extrusion guns
0 Tensiometer
ATV

Potential Issues: Southeastern edge of landfill - trench/swale detail. Please see M&E daily report for details. Appear to not have enough geocomposite onsite to cover the required area.

Comments: Completed paperwork for the liner, documenting repairs, was provided for review. Comments made and addressed.

Attachments: Forms prepared by Samleen

BY: *D. Gailor*
TRC

SAMLEEN, LLC
32 Crescent Ridge Road
Boonton, NJ 07005

SAMLEEN, LLC
32 CRESCENT RIDGE ROAD • BOONTON, NJ 07005
TEL: (973) 664-9877 • FAX: (973) 664-9377

DAILY LOG

PROJECT NAME: POLYNAL TANNERY
PROJECT: #
SUPERINTENDENT: M. STONE
QC: JOE ATKINS
WEATHER CONDITIONS: Cloudy Cool
DATE: 7-24-24
LINER DESCRIPTION: LLDPE ULTRAFLEX
MILS: 40

TOTAL PERSONNEL ON SITE: 10
TECHNICIANS: 10
TOTAL HOURS:
LABORERS: Ø

MISCELLANEOUS EQUIPMENT: TRUCK TRAILER QUAD LIESTER (2)
GENERATORS: 1
TENSIOMETERS: Ø
FUSION WELDERS: Ø
EXTRUSION WELDERS: Ø

TOTAL SQUARE FEET INSTALLED: 58,960

COMMENTS/DELAYS/MISC: Arrived on site 7:00am
Continued Vaccum Testing
Finished up Documention of liner
Deployed Cover Composit 44 Rolls

Glen Haule
Glen A Haule

Total on ground as of 7-24
LLDPE Liner - 211,275
Geo-Composit - 96,480

QA CAP INSTALLATION FIELD OBSERVATIONS LOG
POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

DATE : 7/26/04

CLIENT: EPA

CONTRACTOR: Maxymillian/Samleen, LLC

QA: M&E/TRC

Report Number: 7

Weather: A.M.: Sun P.M.: Sun

Rainfall: None

Temperature: AM: L 70s F PM: 80s F

Wind Direction: Slight northern wind

WORK OBSERVED: Samleen, LLC deployed 33 rolls of geocomposite, ~44,000 SF. Finished final repair work and non-destructive testing.

All repairs and seams passed non-destructive testing.

Total deployed liner: 211,207 SF (P-1 to P-63)

Total deployed geocomposite: 137,986 SF (105 rolls; some < 200 ft long)

Approximately 35 rolls of geocomposite are needed to complete the landfill.

Demobbed from the job site.

INSPECTIONS/TESTS: Walked geocomposite with QC representatives from Samleen and Maxy.

Repaired areas where geotextile was damaged with patches. Geocomposite installation approved for cover material by all present.

EQUIPMENT:

0 Fusion Seamers

1 Extrusion guns

1 Tensiometer

ATV

Potential Issues: Southeastern edge of landfill - trench/swale detail. Please see M&E daily report for details.

Appear to not have enough geocomposite onsite to cover the required area.

Comments: Completed paperwork for the liner, documenting repairs and nondestructive testing, was provided.

Attachments: Forms prepared by Samleen

BY: *A. Hamilton*

TRC

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DAILY LOG

PROJECT NAME: Pownal Tannery
PROJECT:#
SUPERINTENDENT: M. Stone
QC: J. Atkins
WEATHER CONDITIONS: Clear
DATE: 7-26-04
LINER DESCRIPTION: LLDPE 'Ultra Flex'
MILS: 40

TOTAL PERSONNEL ON SITE: 10
TECHNICIANS: 10
TOTAL HOURS:
LABORERS:

MISCELLANEOUS EQUIPMENT: TRUCK TRAILER Quad – liesters (2)
GENERATORS: 1
TENSIOMETERS: Ø
FUSION WELDERS: Ø
EXTRUSION WELDERS: Ø

TOTAL SQUARE FEET INSTALLED: 44,220 – Composit on 7-26-04

COMMENTS/DELAYS/MISC: Arrived on site 700 AM

Deployed Cover Composit
Appears Estimated around 43,404 Sky Composit

Provided Entrance To Top of Cap For Cover materials

Total liner – 211,207 on ground as of 7-26-04

Total Composit – 44,000 SF Deployed on 7-26-04

Total For 7-26-04 = 137,986 SF Composit
105 Rolls – Some were not complete < 200'
* Final Quantity For payment by survey

Glenn Houle
Glenn A Houle
7-26-04

QA CAP INSTALLATION FIELD OBSERVATIONS LOG
POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

DATE : 8/9/04

CLIENT: EPA

CONTRACTOR: Maxymillian/Samleen, LLC

QA: M&E/TRC

Report Number: 8

Weather: A.M.: Sun P.M.: Sun

Rainfall: None

Temperature: AM: L 70s F PM: 80s F

Wind Direction: Slight northern wind

WORK OBSERVED: Samleen LLC returns to site to complete installation of geomembrane and geocomposite over the northeastern and southeastern slopes of the landfill. TRC witnessed 100% of trial weld tests. TRC witnessed 100% of destructive tests. Samleen deployed approx. 29,641 SF of 40 mil geomembrane (panels 64 to 76), completed non-destructive testing of seams and completed all required repairs.

INSPECTIONS/TESTS: Collected two destructive tests, DS-7 and DS-8 at panel junctions 67/68 and 72/74 respectively. Field testing of DS-7 and DS-8 passed specification requirements for peel and shear.

EQUIPMENT:

2 Fusion Seamers
1 Extrusion guns
1 Tensiometer

Potential Issues: Geocomposite has not arrived .

Comments:

Attachments: Forms prepared by Samleen

BY: *A. Hamilton*
TRC

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DAILY LOG

PROJECT NAME: Pownal Tannery
PROJECT: #
SUPERINTENDENT: J Nawrocki
QC:
WEATHER CONDITIONS: Sunny 80's
DATE: 8-9-04
LINER DESCRIPTION: LL Tex
MILS: 40

TOTAL PERSONNEL ON SITE: 8
TECHNICIANS: 8
TOTAL HOURS: 10
LABORERS:

MISCELLANEOUS EQUIPMENT: Air compressor, Truck
GENERATORS: 1
TENSIOMETERS: 1
FUSION WELDERS: 2
EXTRUSION WELDERS: 1

TOTAL SQUARE FEET INSTALLED:

COMMENTS/DELAYS/MISC: Arrived on site 7:00 am unloaded equipment and beam, Deployed LLDPE liner until 1:30 pm air testing began around 10:00 am. Repairs began about 12:30 pm Air testing completed just before 5:00 pm most repairs completed by 5:30.
A total of 29,641 sq/ft installed
Liner

Glenn A Hoyle
GLENN A Hoyle 8-11-04

QA CAP INSTALLATION FIELD OBSERVATIONS LOG
POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

DATE : 8/10/04

CLIENT: EPA

CONTRACTOR: Maxymillian/Samleen, LLC

QA: M&E/TRC

Report Number: 9

Weather: A.M.: Sun P.M.: Sun

Rainfall: None

Temperature: AM: L 70s F PM: 80s F

Wind Direction: Slight northern wind

WORK OBSERVED: Samleen LLC returns to site with reduced crew size to complete non-destructive testing of all repairs.
All non-destructive testing completed and passed the testing requirements.

INSPECTIONS/TESTS: Samleen submitted paperwork for review. Documentation issues were identified and addressed.
The destructive testing of DS-7 and DS-8 passed specification requirements for peel and shear.

EQUIPMENT:
0 Fusion Seamers
1 Extrusion guns
1 Tensiometer

Potential Issues: Geocomposite has not arrived .

Comments: Completed QC check of documentation for seam length. Total LF of seam length = 11,363.5 LF requires 7.6 destructive tests.
To date, 8 destructive tests were completed.

Attachments: Forms prepared by Samleen

BY: *A. Hamilton*
TRC

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DAILY LOG

PROJECT NAME: Pownal Tannery
PROJECT: #
SUPERINTENDENT: J Nawrocki
QC:
WEATHER CONDITIONS: Sunny 80's
DATE: 8-10-04
LINER DESCRIPTION: LL TEX
MILS: 40

TOTAL PERSONNEL ON SITE: 4
TECHNICIANS: 4
TOTAL HOURS:
LABORERS:

MISCELLANEOUS EQUIPMENT: V-Box Truck
GENERATORS: 1
TENSIOMETERS:
FUSION WELDERS: 0
EXTRUSION WELDERS: 1

TOTAL SQUARE FEET INSTALLED:

COMMENTS/DELAYS/MISC: arrived on site 8:00 AM started V-Box Testing and completed all repairs on area installed yesterday Finished V-Box testing and repairs @ 12:30 pm

Glenn A Hole
GLENN Hole 8-11-04

QA CAP INSTALLATION FIELD OBSERVATIONS LOG
POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

DATE : 8/11/04

CLIENT: EPA

CONTRACTOR: Maxymillian/Samleen, LLC

QA: M&E/TRC

Report Number: 10

Weather: A.M.: Clouds P.M.: Overcast; chance of rain

Rainfall: None

Temperature: AM: L 70s F PM: 80s F

Wind Direction: Slight northern wind

WORK OBSERVED: Samleen LLC returns to site with reduced crew size to install geocomposite that arrived onsite at 1330.

Composite was installed along the NE slope of the landfill in order to allow for installation of a temporary access road to the top of the landfill.

Approximately 9,380 sf (7 rolls) of geocomposite was installed according to specifications.

INSPECTIONS/TESTS:

EQUIPMENT:

0 Fusion Seamers

0 Extrusion guns

0 Tensiometer

Potential Issues:

Comments: Samleen, LLC plans to return tomorrow with a larger crew to complete installation. Only had 4 workers onsite.

Attachments: Forms prepared by Samleen; Geocomposite shipping inventory.

BY: *A. Hamilton*
TRC

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DAILY LOG

PROJECT NAME: Pownal Tannery
PROJECT: #
SUPERINTENDENT:
QC:
WEATHER CONDITIONS: Sunny Warm
DATE: 8 11 04
LINER DESCRIPTION: LL Tex
MILS: 40

TOTAL PERSONNEL ON SITE: 4
TECHNICIANS: 4
TOTAL HOURS: 6
LABORERS:

MISCELLANEOUS EQUIPMENT: 1 Loader 1 truck
GENERATORS: 1
TENSIOMETERS:
FUSION WELDERS:
EXTRUSION WELDERS:

TOTAL SQUARE FEET INSTALLED:

COMMENTS/DELAYS/MISC: Arrived on site @ 2:30 Pm deployed 7 rolls of Geo-Composit on east end of cap for a total of 9380 sq/ft

6/12/04

QA CAP INSTALLATION FIELD OBSERVATIONS LOG
POWNAL TANNERY SUPERFUND SITE
POWNAL, VERMONT

DATE : 8/12/04

CLIENT: EPA

CONTRACTOR: Maxymillian/Samleen, LLC

QA: M&E/TRC

Report Number: 11

Weather: A.M.: Sun P.M.: Sun

Rainfall: None

Temperature: AM: L 70s F PM: H 70s F

Wind Direction: Slight southern wind

WORK OBSERVED: Samleen LLC returns to site with larger crew size to complete installation of geocomposite. Composite was installed over the southeastern and eastern slopes of the landfill. Approximately 43,020 sf of geocomposite was installed.

INSPECTIONS/TESTS: Walked the installed geocomposite with QC for Maxy and Samleen. Minor repair work was requested by TRC and the areas were addressed by Samleen, LLC. Deployed geocomposite was accepted by both Maxy and TRC.

EQUIPMENT:

0 Fusion Seamers

0 Extrusion guns

0 Tensiometer

Potential Issues: There was not enough geocomposite to completely cover the areas required. An approximate 1,500 sf area located on the SE corner of the landfill (area where permanent access rd is to be installed) and an approximate 230 sf area located at the far northern toe of the landfill still need to receive geocomposite.

Comments:

Attachments: Form prepared by Samleen

BY: *A. Hamilton*
TRC

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DAILY LOG

PROJECT NAME: Pownal Tannery
SUPERINTENDENT: J Nawrocki
WEATHER CONDITIONS: Cloudy 70's
LINER DESCRIPTION: LL Tex

PROJECT: #
QC:
DATE: 8-12-04
MILS: 40

TOTAL PERSONNEL ON SITE: 13
TOTAL HOURS: 7.5

TECHNICIANS: 13
LABORERS:

MISCELLANEOUS EQUIPMENT: Sewing machine
GENERATORS: 1
TENSIOMETERS: 1
FUSION WELDERS:
EXTRUSION WELDERS:

TOTAL SQUARE FEET INSTALLED:

COMMENTS/DELAYS/MISC: Arrived on site @ 700 AM. Deployed Geocomposit until 1:40 PM for a total of 43,020 sq ft total geo-composit installed today.

JN 8/12/04

GEOSYNTHETIC INSTALLER REPORTS

Samleen, LLC
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Subgrade Acceptance Form

Project Name: POWNAL TANNERY

Location: POWNAL, VT **Date:** 7-21

Area to be Accepted: AREA DEFINED BY LIMITS OF LINER ON top landfill PANNELS 1-62

I, the undersigned duly authorized representative of the installer, do hereby accept the soil subgrade surface condition for the placement of liner material on same.

Acceptance by Samleen LLC of the subsurface for the liner shall not constitute approval of subsurface conditions which could effect the functioning of the system. The structural integrity of the subsurface is the sole responsibility of others. Samleen LLC does not accept any responsibility for the conditions or character of the subsurface siol or any effects the soil might have on the liner system because of actions by others

Installer Representative: [signature]

Title: PM **Date:** 7-21-09

Samleen, LLC
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Subgrade Acceptance Form

Project Name: Pownal Tannery

Location: Pownal VT **Date:** 8-9-04

Area to be Accepted: Area defined by limits of liner on south and east of landfill cap pannels 64 thru 75 area under pannel 63 also Accepted.

I, the undersigned duly authorized representative of the installer, do hereby accept the soil subgrade surface condition for the placement of liner material on same.

Acceptance by Samleen LLC of the subsurface for the liner shall not constitute approval of subsurface conditions which could effect the functioning of the system. The structural integrity of the subsurface is the sole responsibility of others. Samleen LLC does not accept any responsibility for the conditions or character of the subsurface siol or any effects the soil might have on the liner system because of actions by others

Installer Representative: [signature]

Title: Supervisor **Date:** 8-9-04

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REPAIR LOG

PROJECT NAME: POWNEL TANNERY
SUPERINTENDENT: Mike Stone
WEATHER CONDITIONS: Clear
LINER DESCRIPTION: LLDPE ULTRAFLEX

PROJECT: #
QC: Joe Atkins
DATE: 7-21
MILS: 40

REPAIR #	PANEL/ SEAM #	LOCATION	TECH	REPAIR DATE	TESTING P/F	TESTING DATE	TESTING TECH
1	8-6-7	INTERSEC (Patch)	OZ	7-22-04	P	7-22	DP
2	7-5	Capped Seam 50x2 (Patch)	OZ	7-22-04			
3	4-5	Patch 13'E of W eos	OZ	7-22-04	P	7-22	DP
4	1-2	Patch 123'E of W eos	OZ	7-22	P	7-22	DP
5	1-9	34'W of E eos (Patch)	OZ	7-22	P	7-22	DP
6	9-10	99'E of W eos (Patch)	OZ	7-22	P	7-22	DP
7	11	Pipe-penetration 64'W of E eos	OZ	7-22	P	7-22	DP
8	11-12-13	INTERSEC (Patch)	OZ	7-22	P	7-22	DP
9	12-13-14	INTERSEC (Patch)	OZ	7-22	P	7-22	DP
DS1	15-16	90'W of E eos	OZ	7-22	P	7-22	DP
10	16-17-18	INTERSEC (Patch)	OZ	7-22	P	7-22	DP
11	17-18-19	INTERSEC (Patch)	OZ	7-22	P	7-22	DP
12	20-21	150'W of E eos (Patch)	OZ	7-22	P	7-22	DP
13	21-23	57'E of W eos Patch	OZ	7-22	P	7-22	DP
14	21-23	126'E of W eos (Cap 21x2)	OZ	7-22	P	7-22	DP
15	22-23-24	INTERSEC (Patch)	OZ	7-22	P	7-22	DP
16	23-24	22'W of E eos (Patch)	OZ	7-21	P	7-22	DP
DS2	23-24	27'W of E eos	OZ	7-21	P	7-22	DP
17	23-24	127'W of E eos (Patch)	OZ	7-22	P	7-23	CP
18	24-25	114'E of W eos (Patch)	OZ	7-22	P	7-23	CP
19	24-25	158'E of W eos (Patch)	OZ	7-21	P	7-23	CP
20	25-26	Repair 20' Dose Not Exist.		Appears	23	[illegible]	[illegible]
21	25-26-27	INTERSEC (Patch)	OZ	7-22	P	7-23	CP

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REPAIR LOG

PROJECT NAME: Pownal Tannery
SUPERINTENDENT: M. Stone
WEATHER CONDITIONS: Clear
LINER DESCRIPTION: LLDPE

PROJECT: #
QC: Joe Atkins
DATE: 7-21
MILS: 40

	REPAIR #	PANEL/ SEAM #	LOCATION	TECH	REPAIR DATE	TESTING P/F	TESTING DATE	TESTING TECH
	22	26-27-29	Intersec (Patch)	OZ	7-22	P	7-23	AP
E-N	23	26-29-28	Intersec (Patch)	OZ	7-22	P	7-23	AP
E-N	24	28-29-30	Intersec (Patch)	OZ	7-22	P	7-23	AP
	25	29-30-31	Intersec (Patch)	OZ	7-22	P	7-23	AP
	26	30-31-32	Intersec (Patch)	OZ	7-22	P	7-23	AP
E-N	27	32-30-28	Intersec (Patch)	OZ	7-22	P	7-23	AP
E-N	28	32-33-28	Intersec (Patch)	OZ	7-22	P	7-23	AP
	29	32-33	121' W of E eos (Patch)	OZ	7-22	P	7-23	AP
E-N	30	33-34-28	Intersec (Patch)	OZ	7-22	P	7-23	AP
E-N	31	34-35-28	Intersec (Patch)	OZ	7-22	P	7-23	AP
	DS3	34-35	23' W of E eos	OZ	7-22	P	7-23	AP
	32	34-35	128' W of E eos (Patch)	OZ	7-22	P	7-23	AP
E-N	33	35-36-28	Intersec (Patch)	OZ	7-22	P	7-23	AP
E-N	34	36-37-28	Intersec (Patch)	OZ	7-22	P	7-23	AP
E-N	35	37-38-28	Intersec (Patch)	OZ	7-22	P	7-23	AP
E-N	36	38-39-28	Intersec (Patch)	OZ	7-22	P	7-23	AP
E-N	38	39-41-42-28	Intersec (Patch)	OZ	7-22	P	7-23	AP
	39	39-40-41	Intersec (Patch)	OZ	7-22	P	7-23	AP
E-N	40	42-43-28	Intersec (Patch)	OZ	7-22	P	7-23	AP
	Pipe pen 002	29	45' W of E eos (Boot)	OZ	7-22	P	7-23	AP
			- No #37 -					

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REPAIR LOG

PROJECT NAME: Pondual Tannery
SUPERINTENDENT: M. Stone
WEATHER CONDITIONS: Clear
LINER DESCRIPTION: LLDPE

PROJECT: #
QC: Joe Atkins
DATE: 7-22-04
MILS: 40

REPAIR #	PANEL/ SEAM #	LOCATION	TECH	REPAIR DATE	TESTING P/F	DATE	TECH
41	44-26-28	Intersec (Patch) 2x2	OZ	7-23	P	7-24	DP
42	44-28	8' N of Seos (Patch) 2x2	OZ	7-23	P	7-24	DP
43	44-28	Patch 10'x2 to Edge of Liner	OZ	7-23	P	7-24	DP
44	28-44-45	Intersec (Patch) 2x2	OZ	7-23	P	7-24	GP
45	45-46	116' N of Seos (Patch) 2x2	OZ	7-23	P	7-24	GP
46	44-45-46	Intersec (Patch) 2x2	OZ	7-23	P	7-24	GP
47	46-47	30' S of N Seos (Patch) 2x3	OZ	7-23	P	7-24	GP
48	46-47-48	Intersec (Patch) 2x2	OZ	7-23	P	7-24	GP
49	46-48	Pipe Pen. (Boot) 20' S of N Seos	OZ	7-23	P	7-24	GP
50	46-48	161' S of N Seos (Patch) 2x2	OZ	7-23	P	7-24	GP
51	48-49	Seos Patch (2x3)	OZ	7-23	P	7-24	GP
52	48-47-49	Intersec (Patch) 2x2	OZ	7-23	P	7-24	GP
53	47-49	126' N of Seos (Patch) 2x2	OZ	7-23	P	7-24	GP
54	49-50	56' S of N Seos (Patch) 2x3	OZ	7-23	P	7-24	GP
DS4	49-50	155' S of N Seos 2x6	OZ	7-23	P	7-24	GP
55	49-50-51	Intersec Patch (2x2	OZ	7-23	P	7-24	GP
56	51-53-50	Intersec Patch (2x2	OZ	7-23	P	7-24	GP
57	50-53	158' N of Seos (Patch) 2x2	OZ	7-23	P	7-24	GP
58	53-54-55	Intersec (Patch) 2x2	BM	7-26	P	7-26	BM
59	54-55-56	Intersec (Patch) 2x2	BM	7-26	P	7-26	BM
60	54-56	119' N of Seos (Patch) 2x2	OZ	7-23	P	7-24	GP
61	54-56	135' N of Seos (Patch) 2x3	OZ	7-23	P	7-24	GP
DS5	54-56	169' N of Seos (Patch) 2x6	OZ	7-23	P	7-24	GP

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6

SAMLEEN, LLC

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REPAIR LOG

PROJECT NAME: Powwal Tannery
SUPERINTENDENT:
WEATHER CONDITIONS: Sunny 80's
LINER DESCRIPTION: LL TEX

PROJECT: #
QC:
DATE: 8-10-04
MILS: 40

REPAIR #	PANEL/ SEAM #	LOCATION	TECH	REPAIR DATE	TESTING P/F	DATE	TECH
62	29	69W' of Eeos (PIPE DEN. Boot)	OZ	7-22	P	7-23	DP
63	56-57	30'N of Seos (Patch) 2x2	BM	7-26	P	7-26	BM
64	57-58-59	Intersec (Patch) 2x2	OZ	7-23	P	7-24	CP
65	58-59-60	Intersec (Patch) 2x2	OZ	7-23	P	7-24	CP
66	60-61	10'S of Neos (Patch) 2x2	BM	7-26	P	7-26	BM
67	60-61	24'S of Neos (Patch) 2x5	OZ	7-23	P	7-24	CP
DS6	60-61	89'S of Neos 2x6	OZ	7-23	P	7-24	CP
68	60-61-62	Intersec (Patch) 2x2	OZ	7-23	P	7-24	CP
69	62	72'S of Neos (PIPE DEN. Boot)	BM	7-26	P	7-26	BM
DS-8	Intersection 72-74	21' From NEOS	SB	8-9-04	P	8 10	DP
R70	Intersection 62 71	175' from NEOS 61-71	SB	8-9 04	P	8 10	DP
R 71	Intersection 62 69 71	107' S of R70	SB	8-9 04	P	8 10	DP
R 72	69 70 71	28' S of R71	SB	8-9	P	8 10	DP
R-73	70-71	19' S of Intersect 69,70,71	SB	8-9	P	8 10	DP
R-74	68-70	13' N of SEOS	SB	8-9	P	8 10	DP
R-75	68-70	17' N of SEOS	SB	8 9	P	8 10	DP
R-76	68 70	24' N of SEOS	SB	8-9	P	8 10	DP
R-77	68 70	32' N of SEOS	SB	8-9	P	8 10	DP
R-78	68,69,70	45' N of SEOS	SB	8-9	P	8 10	DP
R-79	68 69	74' N of SEOS	SB	8-9	P	8 10	DP
R-80	67-68	74' N of SEOS	SB	8-9	P	8 10	DP
DS 7	67-68	11' S of R80	SB	8-9	P	8 10	DP
R 81	66-67	13' N of SEOS	SB	8-9	P	8 10	DP

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REPAIR LOG

PROJECT NAME: Pownel Tannery
SUPERINTENDENT:
WEATHER CONDITIONS: Sunny
LINER DESCRIPTION: LL TEX

PROJECT: #
QC:
DATE: 8/10/04
MILS: 40

REPAIR #	PANEL/ SEAM #	LOCATION	TECH	REPAIR DATE	TESTING P/F	TESTING DATE	TESTING TECH
82	66-67	22' N of SEOS	SB	8-9	P	8-10	DP
83	66 67	41' N of SEOS	SB	8-9	P	8-10	DP
84	65-66	5759, 66,67 Intersect	SB	8-9	P	8-10	DP
85	65-66	65 66 5657 Intersect	SB	8-9	P	8-10	DP
86	64-65	55 64 65 56 Intersect	SB	8-9	P	8-10	DP
87	53,55,64	53 55 64 Intersect	SB	8-9	P	8-10	DP
88	71,73	2' N of SEOS	SB	8-9	P	8-10	DP
89	71-72-73	21' N of SEOS	SB	8-9	P	8-10	DP
90	72-73-74	8' N of SEOS	SB	8-9	P	8-10	DP
91	74-63	64' S of NEOS	SB	8-9	P	8-10	DP
92	74-63	69' S of NEOS	SB	8-9	P	8-10	DP
93	74 75 76	74, 75, 76 Intersect	SB	8-9	P	8-10	DP
94	75,76,63	74,76,63 Intersect	SB	8-9	P	8-10	DP
95	63, 74	NEOS	BM	8-10	P	8-10	DP
~~95~~	74-63	~~2' N of 67' S of NEOS~~	~~BM~~	~~8-10~~			D
96	63-74-76	Intersection 63,74,76	SB	8-9	P	8-10	DP
97	68-69	62-69-68-60 Intersect	SB	8-9	P	8-10	DP

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GEOMEMBRANE SEAMING REPORT

PROJECT NAME: Pownal, VT. Tannery Superfund **PROJECT: #**
SUPERINTENDENT: M. Stone **QC:**
WEATHER CONDITIONS: Cloudy Overcast **DATE:**
LINER DESCRIPTION: 40mil **MILS:**

SEAM #	SEAM LENGTH	TIME	TECH	MACHINE #	MACHINE TEMP	MACHINE SPEED	TEMPERATURE LINER	TEMPERATURE AMB
1-2	136	930	OZ	160	700	12.5		
2-3	132	945	JF	156	750	11		
3-4	127	940	OZ	160	720	11		
4-5	119	1005	JF	156	760	11		
5-6	52	955	OZ	160	720	11		
5-7	47	950	OZ	160	720	11		
6-7 C/S	22.5	940	OZ	160	720	11		
7-8	43	1015	OZ	160	720	11		
6-8	49	1020	OZ	160	720	11		
9-1	145	1030	JF	156	750	11		
9-10	154	1030	OZ	160	720	11		
10-11	155	11:10	JF	156	750	11		
11-12	93	1136	OZ	160	720	11		
12-13 C/S	22.5	11:15	OZ	160	720	11		
11-13	67	11:30	OZ	160	720	11		
13-14	71	11:35	JF	156	750	11		
12-14	100	11:43	JF	156	750	11		
14-15	171	11:45	OZ	160	720	11		
15-16	175	1:10	JF	156	750	11 3 DSI		
16-17	87	1:40	OZ	160	720	11		
16-18	93	130	OZ	160	720	11		
17-18 C/S	22.5	120	OZ	160	720	11		
17-19	90	140	JF	156	750	11		

871 linear feet

Total 7173.5

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Geomembrane Seaming Report

Project Name: POWNEL TANNERY

Superintendent: MIKE STOVE **Date:** 7-20-24

Weather Conditions: Cloudy **QC:** JOE ATKINS

Liner Type/Thickness: LLDPE 40mil

Seam #	Seam Length	Time	Tech	Machine #	Machine Temp	Machine Speed	Temperature Liner	Temperature Amb
18-19	95	130	JF	156	750	11		
19-20	187	155	OZ	160	720	11		
20-21	190	235	JF	156	750	11		
21-23	158	248	OZ	160	720	11		
21-22	35	300	OZ	160	720	11		
22-23 C/S	22.5	210	OZ	160	720	11		
22-24	37	317	JF	156	750	11		
23-24	113	300	JF	156	750	11	DS2	
24-25	200	310	OZ	160	720	11		
25-26	140	407	OZ	160	720	11		
25-27	72	400	OZ	160	720	11		
26-27 C/S	22.5	350	OZ	160	720	11		
27-29	67	432	OZ	160	720	11		
26-29	140	438	OZ	160	720	11		
31-29	44	503	JF	156	750	11		
30-29	146	450	JF	156	750	11		
30-31 C/S	22.5	500	OZ	160	720	11		
30-32	140	508	OZ	160	720	11		
31-32	41	522	OZ	160	720	11		
32-33	180	525	JF	156	750	11		
33-34	165	530	OZ	160	720	11		
34-35	139	600	OZ	160	720	11	DS 3	

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GEOMEMBRANE SEAMING REPORT

PROJECT NAME: Powder Tannery
PROJECT: #
SUPERINTENDENT: M. Stone
QC: J. Atkins
WEATHER CONDITIONS: Cloudy
DATE: 7-20
LINER DESCRIPTION: LLDPE
MILS: 40

SEAM #	SEAM LENGTH	TIME	TECH	MACHINE #	MACHINE TEMP	MACHINE SPEED	TEMPERATURE LINER	TEMPERATURE AMB
35-36	125	545	JF	156	750	11		
36-37	110	600	02	160	720	11		
37-38	95	635	JF	156	750	11		
38-39	77	636	02	160	720	11		
39-40	30	645	02	160	720	11		
39-41	33	640	02	160	720	11		
40-41	21	650	02	160	720	11		
41-42	42	658	02	160	720	11		
42-43	21	703	02	160	720	11		
							554	

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GEOMEMBRANE SEAMING REPORT

PROJECT NAME: POWDEL TANNERY
PROJECT: #
SUPERINTENDENT: M. STONE
QC: J. ATKINS
WEATHER CONDITIONS: Cloudy
DATE: 7-20
LINER DESCRIPTION: LLDPE
MILS: 40

SEAM #	SEAM LENGTH	TIME	TECH	MACHINE #	MACHINE TEMP	MACHINE SPEED	TEMPERATURE LINER	TEMPERATURE AMB
W. Slope	TIE-N							
28-43	26	1650	02	160	720	11		
28-42	29	1653	02	160	720	11		
28-39	22.5	1656	02	160	720	11		
28-38	22.5	1636	JF	156	750	11		
28 37	22.5	1639	JF	156	750	11		
28 36	22.5	1642	JF	156	750	11		
28 35	22.5	1645	JF	156	750	11		
28 34	22.5	1648	JF	156	750	11		
28 33	22.5	1651	JF	156	750	11		
28 32	22.5	1654	JF	156	750	11		
28 30	22.5	1657	JF	156	750	11		
28 29	23.5	1659	JF	156	750	11		
28 26	16	1704	JF	156	750	11		
			202.5					
				297	linear Ft.			

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GEOMEMBRANE SEAMING REPORT

PROJECT NAME: _____ PROJECT: # _____
SUPERINTENDENT: _____ QC: _____
WEATHER CONDITIONS: _____ DATE: _____
LINER DESCRIPTION: _____ MILS: _____

SEAM #	SEAM LENGTH	TIME	TECH	MACHINE #	MACHINE TEMP	MACHINE SPEED	TEMPERATURE LINER	TEMPERATURE AMB
44-45 C/S	22.5	1040	JF	156	750	11		
45-28	120	1050	JF	156	750	11		
45-46	123	1043	OZ	160	720	11		
44-28	200	11:05	JF	156	750	11		
44-46	200	11:02	OZ	160	720	11		
46-48	80	11:35	JF	156	750	11		
47-48 C/S	22.5	1120	OZ	160	720	11		
46-47	236	11:44	JF	156	750	11		
48-49	81	11:35	OZ	160	720	11		
47-49	239	1144	OZ	160	720	11		
49-51	42	120	OZ	160	720	11		
DS4→ 49-50	275	124	OZ	160	720	11		
50-51 C/S	22.5	110	OZ	160	720	11		
51-53	47	115	JF	156	750	11		
50-53	277	121	JF	156	750	11		
54-55 C/S	22.5	200	OZ	160	720	11		
53-54	316	211	OZ	160	720	11		
53-55	10	210	OZ	160	720	11		
55-56	5	220	JF	156	750	11		
25 5→ 54-56	320	221	JF	156	750	11		
57-59	233	320	OZ	160	720	11		
58-57	64	343	OZ	160	720	11		
58-59 C/S	22.5	315	JF	156	750	11		

2990

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GEOMEMBRANE SEAMING REPORT

PROJECT NAME: POWDEL TANNERY
SUPERINTENDENT: M. STONE
WEATHER CONDITIONS: CLEAR
LINER DESCRIPTION: LLDPE ULTRA FLEX

PROJECT: #
QC: J. ATKINS
DATE: 7-21
MILS: 40

	SEAM #	SEAM LENGTH	TIME	TECH	MACHINE #	MACHINE TEMP	MACHINE SPEED	TEMPERATURE LINER	TEMPERATURE AMB
	59-60	228	345	JF	156	750	11		
	58-60	66	408	JF	156	750	11		
	60-62	105	420	02	160	720	11		
DS6→	60-61	178	430	02	160	720	11		
	61-62 C/S	22.5	400	02	160	720	11		
				3580	total For 7-21-04				

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GEOMEMBRANE SEAMING REPORT

PROJECT NAME: Pownal Tannery
SUPERINTENDENT: J Nawrocki
WEATHER CONDITIONS: Sunny 80's
LINER DESCRIPTION: 22 TEX

PROJECT: #
QC:
DATE: 8 10 04
MILS: 40

SEAM #	SEAM LENGTH	TIME	TECH	MACHINE #	MACHINE TEMP	MACHINE SPEED	TEMPERATURE LINER	TEMPERATURE AMB
65-64	22'	11:31	NS	45	350c	10.0		
64-65	19'	9:34	NS	45	"	10.0		
56-65	22'	11:29	NS	45	"	10.0		
65-66	34'	9:40	NS	45	350c	10.0		
66-67	56'	9:45	NS	45	350c	10.0		
57-66	22'	11:26	NS	45	350c	10.0		
59-67	22'	11:23	NS	45	350c	10.0		
67-68	64'	9:42	KP	697	750	7.5		
68-69	29	10:16	KP	697	750	7.5		
60-68	22	11:18	NS	45	350c	10		
62-69	22	11:15	NS	45	350c	10		
69-71	29'	10:55	KP	697	750	7.5		
69-70	22	10:10	KP	697	750	7.5		
62-71	106'	10:58	KP	697	750	7.5		
61-71	175'	11:10	KP	697	750	7.5		
71-72	309	11:59	KP	697	750	7.5		
71-73	25	11:57	KP	697	750	7.5		
72-73	22	11:51	NS	45	350	10		
73-74	9	3:00	KP	45	350	10		
72-74	303	2:13	KP	45	350	10		
70-71	88'	10:52	KP	697	750	7.5		
74-75	68'	3:12	KP	45	350	10		
75-76	8'	3:06	KP	45	350	10		

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GEOMEMBRANE SEAMING REPORT

PROJECT NAME: Pownal Tannery
PROJECT: #
SUPERINTENDENT: J Nowocki
QC:
WEATHER CONDITIONS: Sunny 80's
DATE: 8-19-04
LINER DESCRIPTION: LL TEX
MILS: 40

SEAM #	SEAM LENGTH	TIME	TECH	MACHINE #	MACHINE TEMP	MACHINE SPEED	TEMPERATURE LINER	TEMPERATURE AMB
74-76	70	308	KP	45	350	10		
74-63	166	348	KP	45	350	10		
75-63	48	4:19	KP	45	350	10		
76-63	65	4:12	KP	45	350	10		
68-70	43	10:12	KP	697	750	7.5		

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Destructive Test Log

Project Name:

Superintendent: **Date:** 7-20

Weather Conditions: **QC:**

Liner Type/Thickness:

DS #	Seam #	Location	Mach #	Tech	Date	Field Peel	Values Shear	P/F	Lab P/F
1	15-16		156	JF	7-20	77-72	82		
						72-69	69		
						68-69	67		
						75-73	70		
						65-61			
2	23-24		156	JF	7-20	74-73	73		
						76-83	72		
3	34-35		160	OZ	7-20	65-71	74		
						80-70	77		
4	50-49		160	OZ	7-21	72 73	70		
						73-68	75		
5	56-54		156	JF	7-21	61-64	73		
						65-67	71		
6	60-61		160	OZ		64-62	67		
						50-61	65		

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Destructive Test Log

Project Name: Pownal Tannery

Superintendent: J Nawrocki **Date:** 8-9-04

Weather Conditions: Sunny 70's **QC:** J Nawrocki

Liner Type/Thickness: LL 40 TEX

DS #	Seam #	Location	Mach #	Tech	Date	Field Peel	Values Shear	P/F	Lab P/F
DST	67-68		697	KP	8-9-04	70 76	68	P	
						70 65	85	P	
8	71 72		697	KP	8-9-04	80 80	90	P	
						80 86	86	P	

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NON-DESTRUCTIVE TEST LOG

PROJECT NAME: Ponnel Tannery
SUPERINTENDENT: M. Stove
WEATHER CONDITIONS: Clear
LINER DESCRIPTION: LLDPE Ultra Flex

PROJECT: #
QC: Joe Atkins
DATE: 7-21
MILS: 40

SEAM #	LOCATION START	LOCATION END	TECH	TIME START	TIME END	PRESSURE START	PRESSURE END	P/F	V-BOX P/F
8-7	E TO	E	GP	840	845	30	30	P	
8-6	E TO	E	GP	840	845	30	30	P	
7-6 C/S	E TO	E	GP	840	845	30	30	P	
5-6	E TO	E	GP	850	855	30	27	P	
5-7	C Capped	Seam							
4-5	13'E of Weos	To Weos	GP	1010	1015	30	28	P	
4-5	13'E of Weos	To Eeos	GP	919	924	30	27	P	
4-3	Eeos To	Weos	GP	935	940	30	27	P	
3-2	Eeos To	Weos	GP	933	938	30	27	P	
2-1	Weos To	123'E of Weos	GP	945	950	28	26	P	
2-1	128'E of Weos	To Eeos	GP	946	951	30	27	P	
1-9	34'W of Eeos	To Eeos	GP	956	1001	30	27	P	
1-9	34'W of Eeos		GP	956	1001	30	28	P	
9-10	100'E of Weos	To Weos	GP	959	1004	30	27	P	
9-10	102'E of Weos	To Eeos	GP	959	1004	30	28	P	
10-11	Eeos To	Weos	GP	1009	1014	30	27	P	
11-13	Eeos To	Weos	GP	1020	1025	29	26	P	
11-12	Eeos To	Weos	GP	1009	1014	30	27	P	
12-13 C/S	eos To	eos	GP	1020	1025	30	27	P	
12-14	Eeos To	Weos	GP	1010	1015	30	28	P	
13-14	Eeos To	Weos	GP	1020	1025	30	28	P	
14-15	Eeos To	Weos	GP	1036	1041	28	26	P	
15-16	90'W of Eeos	To Eeos	GP	1021	1026	28	26	P	

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NON-DESTRUCTIVE TEST LO

PROJECT NAME: PONNEL TANNERY
PROJECT: #
SUPERINTENDENT: M. STONE
QC: JOE ATKINS
WEATHER CONDITIONS: Clear
DATE: 7-21
LINER DESCRIPTION: LLDPE ULTRA FLEX
MILS: 40

SEAM #	LOCATION START	LOCATION END	TECH	TIME START	TIME END	PRESSURE START	PRESSURE END	P/F	V-BOX P/F
8-7	E TO	E	GP	840	845	30	30	P	
8-6	E TO	E	GP	840	845	30	30	P	
7-6 C/S	E TO	E	GP	840	845	30	30	P	
5-6	E TO	E	GP	850	855	30	27	P	
5-7	E Capped	Seam	[illegible]						
4-5	13'E of Weos	To Weos	GP	1010	1015	30	28	P	
4-5	13'E of Weos	To Eeos	GP	919	924	30	27	P	
4-3	Eeos	To Weos	GP	935	940	30	27	P	
3-2	Eeos	To Weos	GP	933	938	30	27	P	
2-1	Weos To 123'E of Weos		GP	945	950	28	26	P	
2-1	123'E of Weos	To Eeos	GP	946	951	30	27	P	
1-9	34'W of Eeos	To Eeos	GP	956	1001	30	27	P	
1-9	34'W of Eeos		GP	956	1001	30	28	P	
9-10	100'E of Weos	To Weos	GP	959	1004	30	27	P	
9-10	102'E of Weos	To Eeos	GP	959	1004	30	28	P	
10-11	Eeos To	Weos	GP	1009	1014	30	27	P	
11-13	Eeos	To Weos	GP	1020	1025	29	26	P	
11-12	Eeos	To Weos	GP	1009	1014	30	27	P	
12-13 C/S	eos	To eos	GP	1020	1025	30	27	P	
12-14	Eeos	To Weos	GP	1010	1015	30	28	P	
13-14	Eeos	To Weos	GP	1020	1025	30	28	P	
14-15	Eeos	To Weos	GP	1036	1041	28	26	P	
15-16	90'W of Eeos	To Eeos	GP	1021	1026	28	26	P	

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NON-DESTRUCTIVE TEST LOG

PROJECT NAME: Powell Tannery
PROJECT: #
SUPERINTENDENT: Mike Stone
QC: J. Atkins
WEATHER CONDITIONS: Clear
DATE: 7-21
LINER DESCRIPTION: LLDPE Ultra Flex
MILS: 40

SEAM #	LOCATION START	LOCATION END	TECH	TIME START	TIME END	PRESSURE START	PRESSURE END	P/F	V-BOX P/F
15-16	90' W of Eeos	to Weos	GP	1023	1028	30	27	P	
16-18	Eeos To	Weos	GP	1055	1100	30	27	P	
17-18 C/S	eos	eos	GP	1054	1059	30	28	P	
16-17	Weos To	Eeos	GP	1054	1059	28	26	P	
17-19	Eeos To	Weos	GP	1058	1103	28	26	P	
19-18	Eeos To	Weos	GP	1059	1104	30	27	P	
19-20	Eeos To	Weos	GP	103	108	28	26	P	
20-21	Eeos to	150' W of Eeos	GP	103	108	30	28	P	
20-21	150' W of Eeos	To Weos	GP	252	257	30	30	P	
21-23	57' E of Weos	(Patch)	GP	252	257	30	27	P	
21-23	126' E of Weos	to 57' E of Weos	GP	232	237	30	27	P	
21-22	Eeos	Weos	GP	103	108	28	26	P	
22-23 C/S	eos	eos	GP	140	145	28	26	P	
23-24	Eeos	22' W of Eeos	GP	147	152	30	27	P	
22-24	Weos To	Eeos	GP	148	153	30	28	P	
23-24	127' W of Eeos	22' W of Eeos	GP	314	319	28	25	P	
23-24	127' W of Eeos	to Weos	GP	314	319	30	27	P	
24-25	114' E of Weos	to Weos	GP	330	335	28	25	P	
24-25	114' E of Weos	to 158' E of Weos	GP	330	335	30	27	P	
24-25	158' E of Weos	to Eeos	GP	345	350	25	25	P	
25-26	Eeos To	Weos	GP	402	407	28	25	P	
25-27	Eeos To	Weos	GP	441	446	30	27	P	
26-27 C/S	eos	eos	GP	441	446	30	30	P	

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NON-DESTRUCTIVE TEST L

PROJECT NAME: Pownal Tannery
PROJECT: #
SUPERINTENDENT: M. Stone
QC: J. Atkins
WEATHER CONDITIONS: Clear
DATE: 7-21
LINER DESCRIPTION: LLDPE ULTRA FLEX
MILS: 40

SEAM #	LOCATION START	LOCATION END	TECH	TIME START	TIME END	PRESSURE START	PRESSURE END	P/F	V-BOX P/F
27-29	Eeos To	Weos	GP	442	447	30	27	P	
27-29	Eeos To	Weos	GP	430	435	30	27	P	
29-31	Eeos To	Weos	GP	515	520	30	28	P	
30-31 C/S	eos	eos	GP	523	528	30	27	P	
29-30	Eeos To	Weos	GP	523	528	30	29	P	
30-32	Eeos To	Weos	GP	526	531	28	25	P	
31-32	Weos To	Eeos	GP	526	531	28	25	P	
32-33	Eeos 121' W of Eeos		GP	528	533	30	28	P	
32-33	121' W of Eeos To Weos		GP	540	545	30	28	P	
33-34	Eeos To	Weos	GP	550	555	30	30	P	
34-35	Eeos To 23' W of Eeos		GP	553	558	30	27	P	
34-35	23' W of Eeos To	128' W of Eeos	GP	600	605	30	28	P	
34-35	128' W of Eeos To	Weos	GP	605	610	30	30	P	
35-36	Eeos To	Weos	GP	610	615	30	28	P	
36-37	Eeos To	Weos	GP	615	620	30	28	P	
37-38	Eeos To	Weos	GP	625	630	30	28	P	
38-39	Eeos To	Weos	GP	625	630	30	28	P	
39-41	Eeos To	Weos	GP	630	635	30	29	P	
39-40	Eeos To	Weos	GP	645	650	30	29	P	
40-41	Eeos To	Weos	GP	645	650	30	28	P	
41-42	Eeos To	Weos	GP	635	640	30	29	P	
42-43	Eeos To	Weos	GP	655	700	30	29	P	

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NON-DESTRUCTIVE TEST LOG

PROJECT NAME: Pownal Tannery
SUPERINTENDENT: M Stone
WEATHER CONDITIONS: Clear
LINER DESCRIPTION: LLDPE

PROJECT: #
QC: Joe Atkins
DATE: 7-22-04
MILS: 40

SEAM #	LOCATION START	LOCATION END	TECH	TIME START	TIME END	PRESSURE START	PRESSURE END	P/F	V-BOX P/F
43-28	eos	eos	GP	655	700	30	29	P	
42-28	eos	eos	GP	635	640	30	28	P	
39-28	eos	eos	GP	625	630	30	27	P	
38-28	eos	eos	GP	625	630	30	28	P	
37-28	eos	eos	GP	615	620	30	30	P	
36-28	eos	eos	GP	610	615	30	28	P	
35-28	eos	eos	GP	553	558	30	28	P	
34-28	eos	eos	GP	550	555	30	28	P	
33-28	eos	eos	GP	538	543	30	28	P	
32-28	eos	eos	GP	538	543	30	29	P	
31-28	eos	eos	GP	515	520	30	28	P	
29-28	eos	eos	GP	429	434	30	27	P	
28-26	eos	eos	GP	402	407	30	28	P	
44-25	Neos to 10' N of Seos		GP	429	434	30	28	P	
28-44	Seos To Neos		GP	8:00	805	30	28	P	
28-45	Neos To	Seos	GP	800	805	30	30	P	
45-46	16' N of Seos To Seos		GP	815	820	30	28	P	
45-46	Neos To 16' N of Seos		GP	810	815	30	29	P	
44-46	Seos To	Neos	GP	810	815	30	28	P	
44-45 C/S	eos	eos	GP	800	805	30	30	P	
46-47	Seos To	Neos	GP	1013	1018	30	28	P	
47-48 C/S	eos	eos	GP	825	830	30	28	P	
46-48	Neos	Seos	GP	825	830	30	28	P	

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NON-DESTRUCTIVE TEST LOG

PROJECT NAME: Polinal Tannery
PROJECT: #
SUPERINTENDENT: M. Stone
QC:
WEATHER CONDITIONS:
DATE: 7-24-04
LINER DESCRIPTION: LLDPE Ultra Flex
MILS: 40

SEAM #	LOCATION START	LOCATION END	TECH	TIME START	TIME END	PRESSURE START	PRESSURE END	P/F	V-BOX P/F
46-48	64' S of N eos	To Neos	GP	825	830	30	30	P	
48-49	Neos To	Seos	GP	850	855	30	27	P	
47-49	Seos into	Neos	GP	850	855	30	28	P	
47-49	56' S of N eos	To Neos	GP	1052	1057	30	28	P	
49-50	Seos To	Neos	GP	859	904	30	27	P	
50-51 C/S	eos	eos	GP	859	904	30	28	P	
49-51	Neos	Seos	GP	859	904	30	27	P	
51-53	N eos	Seos	GP	905	910	30	29	P	
50-53	158' N of Seos	(From Seos)	GP	905	910	30	30	P	
50-53	158' N of Seos	To Neos	GP	952	957	30	28	P	
54-55 C/S	eos	eos	GP	914	919	30	27	P	
53-55	Neos To	Seos	GP	914	919	30	28	P	
53-54	Seos To	Neos	GP	914	919	30	27	P	
54-55	Neos To	Seos	GP	935	940	30	30	P	
54-56	Seos To 119'	N of Seos	GP	935	940	30	28	P	
54-56	119' N of Seos	135' N	GP	1000	1005	30	28	P	
54-56	135' N of Seos	To Neos	GP	1000	1005	30	28	P	
56-57	Seos To 30'	N of Seos	GP	948	948	30	28	P	
56-57	30' N of Seos	To Neos	GP	950	955	30	28	P	
57-58	Seos To	Neos	GP	1100	1105	30	28	P	
58-59	eos	eos	GP	11:00	11:05	30	30	P	
57-59	Seos To	Neos	GP	945	950	30	27	P	
59-60	Neos To	Seos	GP	1105	1110	28	27	P	

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NON-DESTRUCTIVE TEST LOG

PROJECT NAME: _____ PROJECT: # _____
SUPERINTENDENT: _____ QC: _____
WEATHER CONDITIONS: _____ DATE: _____
LINER DESCRIPTION: _____ MILS: _____

SEAM #	LOCATION START	LOCATION END	TECH	TIME START	TIME END	PRESSURE START	PRESSURE END	P/F	V-BOX P/F
58-60	Seos	Neos	CR	1105	1110	30	30	P	
60-61	24' Sof Neos	To Neos	CR	1130	1135	30	28	P	
60-61	Seos To	24' Sof Neos	CR	1125	1130	30	28	P	
61-62	eos	eos	CR	1115	1120	28	28	P	
60-62	Neos To	Seos	CR	1115	1120	30	27	P	

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NON-DESTRUCTIVE TEST LOG

PROJECT NAME: Pownal Tannery
SUPERINTENDENT: J Nawrocki
WEATHER CONDITIONS: Sunny 80's
LINER DESCRIPTION: LL TEX

PROJECT: #
QC: J Nawrocki
DATE: 8-16-04
MILS: 40

SEAM #	LOCATION START	LOCATION END	TECH	TIME START	TIME END	PRESSURE START	PRESSURE END	P/F	V-BOX P/F
58-60	SEOS	NEOS	GR	1105	1110	30	30	P	
60-61	24' S of NEOS	To NEOS	GR	1130	1135	30	28	P	
60-61	SEOS To 24' S of NEOS		GR	1125	1130	30	28	P	
61-62	EOS	EOS	GR	1115	1120	28	28	P	
60-62	NEOS To	SEOS	GR	1115	1120	30	27	P	
64-65	EOS	EOS	JN	9:53	958	29	28	P	
65-66	EOS	EOS	JN	953	958	30	29	P	
66-67	NEOS	14' from NEOS	JN	1002	1007	29	27	P	
66-67	5' from NEOS	31' from NEOS	JN	1011	1016	31	30	P	
66-67	38' from NEOS	45' from NEOS	JN	1020	1025	29	28	P	
66-67	46' from NEOS	? SEOS	JN	1022	1027	30	29	P	
67-68	NEOS	SEOS	JN	1007	1012	30	28	P	
68-69	NEOS	SEOS	JN	1045	1050	30	29	P	
68-69	18' NOEOS	SEOS	JN	1045	1050	30	28	P	
68-70	18' N OEOS	24' NOEOS	JN	1044	1049	29	27	P	
70-71	20' N of EOS	EOS	NC	1111	1116	31	30	P	
70-71	40' N of EOS	20' N of EOS	NC	1109	1114	30	29	P	
69-71	70' N of EOS	40' N of EOS	NC	1114	1119	30	29	P	
62-69	62, 69, 71	60, 62, 68, 69	NC	11:23	11:28	30	29	P	
62-71	NEOS	SEOS	NC	1247	1252	31	29	P	
61-71	NEOS	SEOS	NC	1250	1255	30	29	P	
71-72	SEOS	NEOS	NC	109	114	30	28	P	
71-73	NEOS	SEOS	NC	102	107	30	28	P	

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NON-DESTRUCTIVE TEST LOG

PROJECT NAME: Pownal Tannery
PROJECT: #
SUPERINTENDENT:
QC:
WEATHER CONDITIONS: Sunny 80's
DATE: 8-10-04
LINER DESCRIPTION: LL TEX
MILS: 40 mil

SEAM #	LOCATION START	LOCATION END	TECH	TIME START	TIME END	PRESSURE START	PRESSURE END	P/F	V-BOX P/F
72-73	WEOS	EEOS	NL	102	107	30	28	P	
73-74	NEOS	SEOS	NL	309	314	~~30~~	~~30~~	P	
72-74	SEOS	NEOS	NL	309	314	29	27	P	
74-75	NEOS	SEOS	NL	342	347	31	29	P	
75-76	WEOS	EEOS	NL	342	347	30	28	P	
74-76	SEOS	NEOS	NL	342	347	30	28	P	
63-75	NEOS	SEOS	NL	452	457	30	28	P	
63-76	NEOS	SEOS	NL	450	455	30	29	P	
63-74	SEOS	15' NEOS EOS	NL	439	444	30	28	P	
63-74	21' SO NEOS	NEOS	NL	431	436	30	29	P	
69-70	E. EOS	W. EOS	JN	10:58	11:03	30	29	P	
62-69	E. EOS	W. EOS	JN	11:23	11:28	30	29	P	
68-60	W. EOS	E. EOS	JN	11:26	11:31	31	30	P	
67-59	E EOS	W. EOS	JN	11:27	11:32	30	28	P	
66-57	W. EOS	E. EOS	JN	11:29	11:34	30	30	P	
65-56	W EOS	E EOS	JN	11:45	11:50	30	30	P	
64-65	E EOS	W EOS	JN	11:46	11:51	29	29	P	

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PANEL PLACEMENT LOG

PROJECT NAME: Powell Tannery
PROJECT: #
SUPERINTENDENT: M. Stolve
QC: J. Atkins
WEATHER CONDITIONS: Overcast Skies
DATE: 7-20-04
LINER DESCRIPTION: 40mil LLDPE Ultraflex
MILS: 40mil

PANEL #	ROLL #	WIDTH	LENGTH	LOCATION	TEX/SM
1	1884	22.5	139	Running E to W	TEX
2	1884	22.5	130	E to W	TEX
3	1884	22.5	130	E to W	TEX
4	1884	22.5	123	E to W	TEX
5	1884	22.5	115	E. to W	TEX
6 East E.	1884	22.5	51	E. SIDE	TEX
7 West E.	1876	22.5	46	W. SIDE	TEX
8	1876	22.5	77	N. Tip Runs E to W of Job	TEX
9	1876	22.5	153	E to W	TEX
10	1876	22.5	155	E to W	TEX
11	1876	22.5	157	E to W	TEX
12 East E.	1876	22.5	95	E. SIDE	TEX
13 West E.	1870	22.5	70	W. SIDE	TEX
14	1870	22.5	170	E to W	TEX
15	1870	22.5	174	E to W	TEX
16	1870	22.5	180	E. to W	TEX
17	1870	22.5	87	E. SIDE	TEX
18	1902	22.5	93	W. SIDE	TEX
19	1902	22.5	187	E to W	TEX
20	1902	22.5	188	E to W	TEX
21	1902	22.5	192	E to W	TEX
22 E. END	1902	22.5	37	E SIDE	

TOTAL LENGTH 2755
TOTAL SQUARE FT. 61,920.5

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PANEL PLACEMENT LOG

112765

PROJECT NAME: Pownel **PROJECT #:**
SUPERINTENDENT: M. STONE **QC:** J.A.
WEATHER CONDITIONS: Cloudy **DATE:** 7-20
LINER DESCRIPTION: LLDPE **MILS:** 40

PANEL #	ROLL #	WIDTH	LENGTH	LOCATION	TEX/SM
23 W END	1867	22.5	158	W. END	TEX
24	1867	22.5	200	E to W	TEX
25	1867	22.5	210	E to W	TEX
26 E END	1867	22.5	140	East Side	TEX
27 W END	1863	22.5	71	West Side	TEX
* 28 N to S	1863 — 85,792.5 sq ft —	22.5	282	N to S	TEX
29	1863	22.5	190		TEX
30 W END	1863	22.5	146	W. Side	TEX
31 E. END	1883	22.5	44	E. Side	TEX
32	1883	22.5	180	E to W	TEX
33	1883	22.5	162	E to W	TEX
34	1883	22.5	150	E to W	TEX
35	1883	22.5	139	E to W	TEX
36	1874	22.5	125	E to W	TEX
37	1874	22.5	110	E to W	TEX
38	1874	22.5	95	E to W	TEX
39	1874	22.5	77	E to W	TEX
40	1874	22.5	71	E to W	TEX
41	1874	22.5	40	E to W	TEX
42	1874	22.5	40	E to W	TEX
43	1874	22.5	21	E to W	TEX

TOTAL LENGTH 2601 **TOTAL SQUARE FT.** 58,522.5

Total For 7-20-04 = 120,442.5

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71617

PANEL PLACEMENT LOG

PROJECT NAME: POWNEL TANNERY
PROJECT: #
SUPERINTENDENT:
QC:
WEATHER CONDITIONS:
DATE: 7-21-04
LINER DESCRIPTION:
MILS:

PANEL #	ROLL #	WIDTH	LENGTH	LOCATION	TEX/SM
44	1874	22.5	199	RUN N TO S, N END	TEX
45	1877	22.5	123	RUN N TO S, S END	TEX
46	1877	22.5	320	RUN N TO S E TO E	TEX
47	1877	22.5	239	N END	TEX
48	1880	22.5	81	S END	TEX
49	1880	22.5	320	E TO E	TEX
50	1880	22.5	277	N END	TEX
51	1878	22.5	47	S END	TEX
53	1878	22.5	328	E TO E	TEX
54	1878	22.5	316	N END	TEX
55	1875	22.5	10	S END	TEX
56	1875	22.5	320	E TO E	TEX
57	1875	22.5	305	E TO E	TEX
58	1875	22.5	66	N end	TEX
59	1869	22.5	232	S end	TEX
60	1869	22.5	286	E TO E	TEX
61	1869	22.5	178	N End	TEX
62	1866	22.5	107	S End	TEX

#52

TOTAL LENGTH 3754
TOTAL SQUARE FT. 84,465'

211,207.5 sqft

Total Fee 7.22 = 7.71 = 204,907.5 sqft.

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PANEL PLACEMENT LOG

PROJECT NAME: Powell Foundry
PROJECT: #
SUPERINTENDENT: M. Stone
QC:
WEATHER CONDITIONS: Clear
DATE: 7-22
LINER DESCRIPTION: LLDPE
MILS: 40

PANEL #	ROLL #	WIDTH	LENGTH	LOCATION	TEX/SM
63	1866	22.5	280	INE. TRENCH	TEX

TOTAL LENGTH 280
TOTAL SQUARE FT. 6,300

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PANEL PLACEMENT LOG

PROJECT NAME: Pownal Tannery
SUPERINTENDENT: J Nawrocki
WEATHER CONDITIONS: Sunny 80's
LINER DESCRIPTION: LL TEX

PROJECT: #
QC:
DATE: 8-10-04
MILS: 40

PANEL #	ROLL #	WIDTH	LENGTH	LOCATION	TEX/SM
64	1866	22.5	19	W End of South add on 55	Tex
65	1866	22.5	34	E of P 64	Tex
66	1866	22.5	54	E of P 65	Tex
67	1866	22.5	63	E of P 66	"
68	1866	22.5	73	E of P 67	"
69	1866	22.5	29	N of 70 E of 68	"
70	1879	22.5	43	S of P69 E of 68	"
71	1879	22.5	349 (?)	E of Panels 61-69-~~68~~ 70	"
72	1879	22.5	311	E of P71 N of 73	"
73	1885	22.5	24	E of P71 S of 72	"
74	1885	22.5	313	E of 72 + 73	"
76	1885	8' to 0' △	54	E of P 74 N of P75	"
75	1885	8' to 20' ▭	54	E of P74 S of P76	"

TOTAL LENGTH 1420 TOTAL SQUARE FT. 29641

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POWNEL TANNERY

TRIAL SEAM LOG

PROJECT NAME: POWNEL VT. TANNERY
PROJECT: #
SUPERINTENDENT: M. STONE
QC:
WEATHER CONDITIONS: Cloudy
DATE: 7-20-04
LINER DESCRIPTION: 40mil
MILS: 40mil

TIME	MACH #	TECH	SM/ TEX	AMB TEMP	FUSION/EXTRUSION TEMP	SPEED	BARREL	VALUES PEEL	SHEAR
9:10	160	OZ	40mil Tex	70°	720	11.0		65/67	68
								69/79	77
								79/88	
								76/	
9:15	2156	JF	40mil Tex	70	750	11.0		75/76	77
								83/80	76
1:00	2156	JF	40mil Tex	75°	750	11°		71/76	73
								72/76	70
1:15	160	OZ	40mil Tex	75	75°	11°		73/76	67
								71/77	81
5:30	156	JF	40	750	750	11		73/70	73
								71/72	70
5:38	160	OZ	40mil	720	720	11		70/67	71
								63/68	68

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TRIAL SEAM LOG

PROJECT NAME: _____ PROJECT: # _____
SUPERINTENDENT: _____ QC: _____
WEATHER CONDITIONS: _____ DATE: 7-21-04
LINER DESCRIPTION: _____ MILS: _____

TIME	MACH #	TECH	SM/ TEX	AMB TEMP	FUSION/EXTRUSION TEMP	SPEED	BARREL	VALUES PEEL	SHEAR
800	160	OZ	40 Tex	70°	720	11.0		78/78	78
								68/70	73
805	2156	JF	40	70	750	11		77/85	73
								79/77	76
105	160	OZ	40 Tex	75	750	12.5		75/70	69
								76/74	65
								76/72	65
110	2156	JF	40 Tex	80	750	12°		62/66	68
4:50	Pro X 2	BM	40 Tex	85	360		450	60	62
								58	69
5:00	X 3	OZ	40 Tex	85°	480		200	62	66
								67	59

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TRIAL SEAM LOG

PROJECT NAME: Pownal TANNERY
SUPERINTENDENT: M. STONE
WEATHER CONDITIONS: Clear
LINER DESCRIPTION: LLDPE

PROJECT #:
QC: JOE ATKINS
DATE: 7-22-04
MILS: 40

TIME	MACH #	TECH	SM/ TEX	AMB TEMP	FUSION/EXTRUSION TEMP	SPEED	BARREL	VALUES PEEL	SHEAR
800	Pro X 2	OZ	40 tex	70°	360		450	68	72
								64	75
1230	Pro X 2	OZ	40		360		450	69	67
								67	74
430	Pro X 2	OZ	40 tex	75°	360		450	62	70
								65	68

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SAMLEEN, LLC
32 CRESCENT RIDGE ROAD • BOONTON, NJ 07005
TEL: (973) 664-9877 • FAX: (973) 664-9377

TRIAL SEAM LOG

PROJECT NAME: Pownal Tannery
PROJECT: #
SUPERINTENDENT: M. Stone
QC: J. Arki
WEATHER CONDITIONS: Clear
DATE: 7-20-04
LINER DESCRIPTION: LLDPE Ultra Flex
MILS: 40

TIME	MACH #	TECH	SM/ TEX	AMB TEMP	FUSION/EXTRUSION TEMP	SPEED	BARREL	VALUES PEEL	SHEAR
7:45	Flo X2	Bm	40	70	360		460	66	74
								69	68

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TRIAL SEAM LOG

PROJECT NAME: Pownal Tannery
PROJECT: #
SUPERINTENDENT:
QC:
WEATHER CONDITIONS: Sunny 70's 80's
DATE: 8-9-04
LINER DESCRIPTION: 40 LL TEX
MILS: 40

TIME	MACH #	TECH	SM/ TEX	AMB TEMP	FUSION/EXTRUSION TEMP	SPEED	BARREL	VALUES PEEL	SHEAR
8:55	45	N.S.	Tex/Tex	65°	350°c	10.0 ft	–	70/70	75
								70/67	65
9:00	697	K.P.	Tex/Tex	65°	750°	7.5 ft	–	70/65	65
								65/65	67
108	0327	SB	TEX TEX	75°	400		425	60	60
								55	60
2:10	45	KP	TEX	80°	350c	10.0ft		52/58	60
								61/60	61

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TRIAL SEAM LOG

PROJECT NAME: Downal Tannery
PROJECT: #
SUPERINTENDENT: J Nowacki
QC: J Nowacki
WEATHER CONDITIONS: Sunny Warm
DATE: 8-10-04
LINER DESCRIPTION: LL TEX
MILS: 40

TIME	MACH #	TECH	SM/ TEX	AMB TEMP	FUSION/EXTRUSION TEMP	SPEED	BARREL	VALUES PEEL	SHEAR
730	0327	BM	TEX	75°	400		425	68	70
								63	67

GEOMEMBRANE CONFORMANCE DATA

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

July 6, 2004

Mail To:

Mr. Neil Thurber
Metcalf & Eddy
701 Edgewater Drive
PO Box 4071
Wakefield, MA 01880

email: neil.thurber@m-e.com
Site email: pownaltannery@adelphia.net - Juraj Bajgar

Bill To:

<= Same

Dear Mr. Thurber:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project:	Pownal Tannery
TRI Job Reference Number:	E2208-07-06
Material(s) Tested:	Two 40 mil Textured LLDPE Geomembrane(s)
Test(s) Requested:	Thickness (ASTM D 5994) Asperity Height (GRI GM 12) Density (ASTM D 1505) Carbon Content (ASTM D 1603, mod.) Carbon Dispersion (ASTM D 5596) Tensile (ASTM D 6693)

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Sam R. Allen

Sam R. Allen
Vice President and Division Manager
Geosynthetic Services Division

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GEOMEMBRANE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pownal Tannery

Material: 40 mil Textured LLDPE Geomembrane
Sample Identification: 001-Geomem-A
TRI Log #: E2208-07-06

Roll No. 104121870

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Thickness (ASTM D 5994)												
Thickness (mils)	40	43	43	42	41	44	38	41	39	42	41	2
											38	<< min.
Asperity Height (GRI GM12)												
Asperity Height (mils) - Side A	18	19	22	21	22	23	21	24	23	21	21	2
Asperity Height (mils) - Side B	19	17	20	21	21	23	22	20	20	18	20	2
Density (ASTM D 1505)												
Density (g/cm3)	0.930	0.930	0.930								0.930	0.0000
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.83	2.79									2.81	0.02
Carbon Black Dispersion (ASTM D 5596)												
Rating - 1st field view	1	1	1	1	1							
Rating - 2nd field view	1	1	1	1	1							
Tensile Properties (ASTM D 6693, 2 ipm strain rate)												
MD Yield Strength (ppi)	80	78	67	74	75						75	4
TD Yield Strength (ppi)	71	73	78	73	71						73	3
MD Break Strength (ppi)	138	152	111	166	158						145	19
TD Break Strength (ppi)	149	174	157	180	165						165	11
MD Yield Elongation (%)	25	25	25	25	25						25	0.0
TD Yield Elongation (%)	31	24	24	24	20						25	3.6
MD Break Elongation (%)	573	618	529	674	654						609	53
TD Break Elongation (%)	613	704	604	701	648						654	42

MD Machine Direction TD Transverse Direction NA Not Available

The testing is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GEOMEMBRANE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pownal Tannery

Material: 40 mil Textured LLDPE Geomembrane
Sample Identification: GM-01 ROLL # 104121 883
TRI Log #: E2208-07-06

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Thickness (ASTM D 5994)												
Thickness (mils)	43	44	44	41	43	43	45	40	42	40	43	2
											40	<< min.
Asperity Height (GRI GM12)												
Asperity Height (mils) - Side A	14	20	17	16	16	13	15	19	13	16	16	2
Asperity Height (mils) - Side B	15	19	14	17	14	16	15	19	21	15	17	2
Density (ASTM D 1505)												
Density (g/cm3)	0.930	0.930	0.930								0.930	0.0000
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.80	2.74									2.77	0.03
Carbon Black Dispersion (ASTM D 5596)												
Rating - 1st field view	1	1	1	1	1							
Rating - 2nd field view	1	1	1	1	1							
Tensile Properties (ASTM D 6693, 2 ipm strain rate)												
MD Yield Strength (ppi)	76	74	72	75	73						74	1
TD Yield Strength (ppi)	74	71	77	71	76						74	2
MD Break Strength (ppi)	200	177	198	200	181						191	10
TD Break Strength (ppi)	157	155	173	166	152						161	8
MD Yield Elongation (%)	22	31	26	24	24						25	3.1
TD Yield Elongation (%)	18	25	22	24	27						23	3.1
MD Break Elongation (%)	714	700	799	749	695						731	39
TD Break Elongation (%)	626	651	663	680	618						648	23

MD Machine Direction TD Transverse Direction NA Not Available

The testing is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

9063 Bee Caves Road / Austin, Texas 78733 / 512 263 2101 / 512 263 2558

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

July 12, 2004

Mail To:

Mr. Neil Thurber
Metcalf & Eddy
701 Edgewater Drive
PO Box 4071
Wakefield, MA 01880

email: neil.thurber@m-e.com
Site email: pownaltannery@adelphia.net - Juraj Bajgar

Bill To:

<= Same

Dear Mr. Thurber:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project:	Pownal Tannery
TRI Job Reference Number:	E2208-18-03
Material(s) Tested:	Three 40 mil Textured LLDPE Geomembrane(s) One Nonwoven Geotextile(s)
Test(s) Requested:	Thickness (ASTM D 5994) - GM Asperity Height (GRI GM 12) - GM Density (ASTM D 1505) - GM Carbon Content (ASTM D 1603, mod.) - GM Carbon Dispersion (ASTM D 5596) - GM Tensile Strength (ASTM D 6693) - GM Grab Tensile (ASTM D 4632) - GT Puncture Strength (ASTM D 4833) - GT Trapezoidal Tear (ASTM D 4533) - GT

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Mark E. Sebesta

Mark E. Sebesta, P.E.
Soils-Geosynthetics Interaction Laboratory Director
Geosynthetic Services Division

GEOMEMBRANE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pownal Tannery

Material: 40 mil Textured LLDPE Geomembrane
Sample Identification: Roll# 104121877
TRI Log #: E2208-18-03

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Thickness (ASTM D 5994)												
Thickness (mils)	43	45	49	44	47	47	46	46	48	43	46	2
											43	<< min.
Asperity Height (GRI GM12)												
Asperity Height (mils) - Side A	33	37	25	29	25	31	28	26	36	25	30	4
Asperity Height (mils) - Side B	20	31	20	23	20	25	24	20	27	22	23	3
Density (ASTM D 1505)												
Density (g/cm3)	0.930	0.930	0.930								0.930	0.0000
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.89	2.93									2.91	0.02
Carbon Black Dispersion (ASTM D 5596)												
Rating - 1st field view	1	1	1	1	1							
Rating - 2nd field view	1	1	1	2	1							
Tensile Properties (ASTM D 6693, 2 ipm strain rate)												
MD Yield Strength (ppi)	76	71	71	70	70						72	2
TD Yield Strength (ppi)	71	74	63	76	74						72	5
MD Break Strength (ppi)	182	169	152	131	151						157	17
TD Break Strength (ppi)	137	138	114	145	158						138	14
MD Yield Elongation (%)	20	19	19	19	19						19	0.4
TD Yield Elongation (%)	19	19	17	19	19						19	0.8
MD Break Elongation (%)	693	683	605	556	628						633	50
TD Break Elongation (%)	558	569	514	609	645						579	45

MD Machine Direction TD Transverse Direction NA Not Available

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TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GEOMEMBRANE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pownal Tannery

Material: 40 mil Textured LLDPE Geomembrane
Sample Identification: Roll# 104121878
TRI Log #: E2208-18-03

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Thickness (ASTM D 5994)												
Thickness (mils)	43	42	45	44	46	47	42	45	47	42	44	2
											42	<< min.
Asperity Height (GRI GM12)												
Asperity Height (mils) - Side A	23	25	24	30	32	28	37	28	26	29	28	4
Asperity Height (mils) - Side B	25	21	20	25	30	28	31	24	26	25	26	3
Density (ASTM D 1505)												
Density (g/cm3)	0.930	0.930	0.930								0.930	0.0000
Carbon Black Content (ASTM D 1603, mod.)												
Carbon Black	2.92	2.88									2.90	0.02
Carbon Black Dispersion (ASTM D 5596)												
Rating - 1st field view	1	1	1	1	1							
Rating - 2nd field view	1	1	1	1	1							
Tensile Properties (ASTM D 6693, 2 ipm strain rate)												
MD Yield Strength (ppi)	67	74	76	73	75						73	3
TD Yield Strength (ppi)	63	65	67	71	79						69	6
MD Break Strength (ppi)	155	178	178	162	162						167	9
TD Break Strength (ppi)	139	138	120	129	149						135	10
MD Yield Elongation (%)	22	22	22	23	23						22	0.5
TD Yield Elongation (%)	17	17	17	17	21						18	1.6
MD Break Elongation (%)	658	711	693	656	639						671	27
TD Break Elongation (%)	613	609	534	540	590						577	34

MD Machine Direction TD Transverse Direction NA Not Available

The testing is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GEOMEMBRANE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pownal Tannery

Material: 40 mil Textured LLDPE Geomembrane
Sample Identification: Roll# 104121880
TRI Log #: E2208-18-03

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Thickness (ASTM D 5994)												
Thickness (mils)	54	52	46	46	48	47	47	45	51	49	49	3
											45	<< min.
Asperity Height (GRI GM12)												
Asperity Height (mils) - Side A	34	31	37	25	28	27	34	27	22	31	30	4
Asperity Height (mils) - Side B	27	25	22	30	22	25	29	29	24	26	26	3
Density (ASTM D 1505)												
Density (g/cm3)	0.930	0.930	0.930								0.930	0.0000
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.90	2.87									2.89	0.02
Carbon Black Dispersion (ASTM D 5596)												
Rating - 1st field view	1	1	2	1	1							
Rating - 2nd field view	1	1	1	1	1							
Tensile Properties (ASTM D 6693, 2 ipm strain rate)												
MD Yield Strength (ppi)	76	74	73	72	78						75	2
TD Yield Strength (ppi)	77	77	74	67	72						73	4
MD Break Strength (ppi)	171	142	184	166	176						168	14
TD Break Strength (ppi)	147	161	168	149	151						155	8
MD Yield Elongation (%)	22	22	22	21	22						22	0.4
TD Yield Elongation (%)	20	20	20	20	20						20	0.0
MD Break Elongation (%)	658	449	714	686	694						640	97
TD Break Elongation (%)	599	651	680	648	616						639	28

MD Machine Direction TD Transverse Direction NA Not Available

The testing is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

August 10, 2004

Mail To:

Mr. Neil Thurber
Metcalf & Eddy
701 Edgewater Drive
PO Box 4071
Wakefield, MA 01880

email: neil.thurber@m-e.com
Site email: pownaltannery@adelphia.net - Juraj Bajgar

Bill To:

<= Same (Proj# 36200100-0050-00006)

Dear Mr. Thurber:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project:	Pownal Tannery
TRI Job Reference Number:	E2208-69-05
Material(s) Tested:	1 Heat Fusion Weld(s)
Test(s) Requested:	SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54)

Codes	
AD	Adhesion failure (100% Peel)
BRK	Break in sheeting away from Seam edge
SE	Break in sheeting at edge of seam
AD-BRK	Break in sheeting after some adhesion failure - partial peel
SIP	Separation in the plane of the sheet (leaving the bond intact)
FTB	Film tearing bond (all non "AD" failures)
non-FTB	100% peel

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Melissa Hunter

Melissa Hunter
Project Manager
Geosynthetic Services Division
www.GeosyntheticTesting.com

GeosyntheticTesting.com
9063 Bee Caves Road / Austin, TX 78733 / 512 263 2101 / fax: 512 263 2558

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GEOMEMBRANE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pownal Tannery

Material: 40 mil Textured LLDPE Geomembrane
Sample Identification: GM-01
TRI Log #: E2208-07-06

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Thickness (ASTM D 5994)												
Thickness (mils)	43	44	44	41	43	43	45	40	42	40	43	2
											40	<< min.
Asperity Height (GRI GM12)												
Asperity Height (mils) - Side A	14	20	17	16	16	13	15	19	13	16	16	2
Asperity Height (mils) - Side B	15	19	14	17	14	16	15	19	21	15	17	2
Density (ASTM D 1505)												
Density (g/cm3)	0.930	0.930	0.930								0.930	0.0000
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.80	2.74									2.77	0.03
Carbon Black Dispersion (ASTM D 5596)												
Rating - 1st field view	1	1	1	1	1							
Rating - 2nd field view	1	1	1	1	1							
Tensile Properties (ASTM D 6693, 2 ipm strain rate)												
MD Yield Strength (ppi)	76	74	72	75	73						74	1
TD Yield Strength (ppi)	74	71	77	71	76						74	2
MD Break Strength (ppi)	200	177	198	200	181						191	10
TD Break Strength (ppi)	157	155	173	166	152						161	8
MD Yield Elongation (%)	22	31	26	24	24						25	3.1
TD Yield Elongation (%)	18	25	22	24	27						23	3.1
MD Break Elongation (%)	714	700	799	749	695						731	39
TD Break Elongation (%)	626	651	663	680	618						648	23

MD Machine Direction TD Transverse Direction NA Not Available

The testing is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

9063 Bee Caves Road / Austin, Texas 78733 / 512 263 2101 / 512 263 2558

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GEOMEMBRANE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pownal Tannery

Material: 40 mil Textured LLDPE Geomembrane
Sample Identification: 001-Geomem-A
TRI Log #: E2208-07-06

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Thickness (ASTM D 5994)												
Thickness (mils)	40	43	43	42	41	44	38	41	39	42	41	2
											38	<< min.
Asperity Height (GRI GM12)												
Asperity Height (mils) - Side A	18	19	22	21	22	23	21	24	23	21	21	2
Asperity Height (mils) - Side B	19	17	20	21	21	23	22	20	20	18	20	2
Density (ASTM D 1505)												
Density (g/cm3)	0.930	0.930	0.930								0.930	0.0000
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.83	2.79									2.81	0.02
Carbon Black Dispersion (ASTM D 5596)												
Rating - 1st field view	1	1	1	1	1							
Rating - 2nd field view	1	1	1	1	1							
Tensile Properties (ASTM D 6693, 2 ipm strain rate)												
MD Yield Strength (ppi)	80	78	67	74	75						75	4
TD Yield Strength (ppi)	71	73	78	73	71						73	3
MD Break Strength (ppi)	138	152	111	166	158						145	19
TD Break Strength (ppi)	149	174	157	180	165						165	11
MD Yield Elongation (%)	25	25	25	25	25						25	0.0
TD Yield Elongation (%)	31	24	24	24	20						25	3.6
MD Break Elongation (%)	573	618	529	674	654						609	53
TD Break Elongation (%)	613	704	604	701	648						654	42

MD Machine Direction TD Transverse Direction NA Not Available

The testing is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

GEOMEMBRANE DESTRUCTIVE SEAM TEST RESULTS

TRI / Environmental, Inc.
A Texas Research International Company

July 21, 2004

Mail To:

Mr. Neil Thurber
Metcalf & Eddy
701 Edgewater Drive
PO Box 4071
Wakefield, MA 01880

email: neil.thurber@m-e.com
Site email: pownaltannery@adelphia.net - Juraj Bajgar

Bill To:

<= Same (Proj# 36200100-0050-00006)

Dear Mr. Thurber:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project:	Pownal Tannery
TRI Job Reference Number:	E2208-36-03
Material(s) Tested:	1 Heat Fusion Weld(s)
Test(s) Requested:	SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54)

Codes	
AD	Adhesion failure (100% Peel)
BRK	Break in sheeting away from Seam edge
SE	Break in sheeting at edge of seam
AD-BRK	Break in sheeting after some adhesion failure - partial peel
SIP	Separation in the plane of the sheet (leaving the bond intact)
FTB	Film tearing bond (all non "AD" failures)
non-FTB	100% peel

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Melissa Hunter

Melissa Hunter
Project Manager
Geosynthetic Services Division
www.GeosyntheticTesting.com

GeosyntheticTesting.com
9063 Bee Caves Road / Austin, TX 78733 / 512 263 2101 / fax: 512 263 2558

DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pwonal Tannery

Material: LLDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54)
TRI Log #: E2208-36-03

	PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	MEAN	PROJ. SPEC.
	Sample ID: DS-1							
	Weld: Heat Fusion Weld							
Side A	Peel Strength (ppi)	81	84	83	82	83	Peel A: 83	48 min
Side A	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side A	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side A	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
Side B	Peel Strength (ppi)	81	82	84	81	83	Peel B: 82	48 min
Side B	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side B	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side B	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
	Shear Strength (ppi)	90	86	85	84	85	Shear: 86	56 min
	Shear Elongation @ Break (%)	>50	>50	>50	>50	>50		

The testing is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

GeosyntheticTesting.com
9063 Bee Caves Road / Austin, TX 78733 / 512 263 2101 / fax: 512 263 2558

TRI / Environmental, Inc.
A Texas Research International Company

July 22, 2004

Mail To:

Mr. Neil Thurber
Metcalf & Eddy
701 Edgewater Drive
PO Box 4071
Wakefield, MA 01880

email: neil.thurber@m-e.com
Site email: pownaltannery@adelphia.net - Juraj Bajgar

Bill To:

<= Same (Proj# 36200100-0050-00006)

Dear Mr. Thurber:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project:	Pownal Tannery
TRI Job Reference Number:	E2208-38-04
Material(s) Tested:	2 Heat Fusion Weld(s)
Test(s) Requested:	SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54)

Codes	
AD	Adhesion failure (100% Peel)
BRK	Break in sheeting away from Seam edge
SE	Break in sheeting at edge of seam
AD-BRK	Break in sheeting after some adhesion failure - partial peel
SIP	Separation in the plane of the sheet (leaving the bond intact)
FTB	Film tearing bond (all non "AD" failures)
non-FTB	100% peel

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Melissa Hunter

Melissa Hunter
Project Manager
Geosynthetic Services Division
www.GeosyntheticTesting.com

GeosyntheticTesting.com
9063 Bee Caves Road / Austin, TX 78733 / 512 263 2101 / fax: 512 263 2558

DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pwonal Tannery

Material: LLDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54)
TRI Log #: E2208-38-04

PARAMETER		TEST REPLICATE NUMBER 1	2	3	4	5	MEAN	PROJ. SPEC.
Sample ID:	**DS-2**							
Weld:	**Heat Fusion Weld**							
Side A	Peel Strength (ppi)	84	80	81	84	80	Peel A 82	48 min
Side A	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side A	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side A	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
Side B	Peel Strength (ppi)	82	84	86	82	84	Peel B 84	48 min
Side B	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side B	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side B	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
	Shear Strength (ppi)	80	84	84	84	83	Shear 83	56 min
	Shear Elongation @ Break (%)	>50	>50	>50	>50	>50		
Sample ID:	**DS-3**							
Weld:	**Heat Fusion Weld**							
Side A	Peel Strength (ppi)	80	79	79	83	81	Peel A 80	48 min
Side A	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side A	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side A	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
Side B	Peel Strength (ppi)	79	78	81	81	82	Peel B 80	48 min
Side B	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side B	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side B	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
	Shear Strength (ppi)	81	81	80	81	81	Shear 81	56 min
	Shear Elongation @ Break (%)	>50	>50	>50	>50	>50		

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TRI / Environmental, Inc.
A Texas Research International Company

July 23, 2004

Mail To:

Mr. Neil Thurber
Metcalf & Eddy
701 Edgewater Drive
PO Box 4071
Wakefield, MA 01880

email: neil.thurber@m-e.com
Site email: pownaltannery@adelphia.net - Juraj Bajgar

Bill To:

<= Same (Proj# 36200100-0050-00006)

Dear Mr. Thurber:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project:	Pownal Tannery
TRI Job Reference Number:	E2208-40-04
Material(s) Tested:	3 Heat Fusion Weld(s)
Test(s) Requested:	SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54)

Codes	
AD	Adhesion failure (100% Peel)
BRK	Break in sheeting away from Seam edge
SE	Break in sheeting at edge of seam
AD-BRK	Break in sheeting after some adhesion failure - partial peel
SIP	Separation in the plane of the sheet (leaving the bond intact)
FTB	Film tearing bond (all non "AD" failures)
non-FTB	100% peel

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Melissa Hunter
Project Manager
Geosynthetic Services Division
www.GeosyntheticTesting.com

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pwonal Tannery

Material: LLDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54)
TRI Log #: E2208-40-04

PARAMETER		TEST REPLICATE NUMBER 1	2	3	4	5	MEAN	PROJ. SPEC.
Sample ID:	**DS-4**							
Weld:	**Heat Fusion Weld**							
Side A	Peel Strength (ppi)	80	79	83	83	83	Peel A 82	48 min
Side A	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side A	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side A	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
Side B	Peel Strength (ppi)	80	82	81	78	82	Peel B 81	48 min
Side B	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side B	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side B	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
	Shear Strength (ppi)	89	93	96	90	89	Shear 91	56 min
	Shear Elongation @ Break (%)	>50	>50	>50	>50	>50		
Sample ID:	**DS-5**							
Weld:	**Heat Fusion Weld**							
Side A	Peel Strength (ppi)	83	91	83	83	83	Peel A 85	48 min
Side A	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side A	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side A	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
Side B	Peel Strength (ppi)	81	82	82	80	79	Peel B 81	48 min
Side B	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side B	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side B	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
	Shear Strength (ppi)	93	93	99	98	94	Shear 95	56 min
	Shear Elongation @ Break (%)	>50	>50	>50	>50	>50		

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pwonal Tannery

Material: LLDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54)
TRI Log #: E2208-40-04

	PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	MEAN	PROJ. SPEC.
Sample ID:	**DS-6**							
Weld:	**Heat Fusion Weld**							
							Peel A	
Side A	Peel Strength (ppi)	84	82	82	83	83	83	48 min
Side A	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side A	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side A	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
							Peel B	
Side B	Peel Strength (ppi)	82	83	82	80	81	82	48 min
Side B	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side B	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side B	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
							Shear	
	Shear Strength (ppi)	93	92	90	89	92	91	56 min
	Shear Elongation @ Break (%)	>50	>50	>50	>50	>50		

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TRI / Environmental, Inc.
A Texas Research International Company

August 10, 2004

Mail To:

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email: neil.thurber@m-e.com
Site email: pownaltannery@adelphia.net - Juraj Bajgar

Bill To:

<= Same (Proj# 36200100-0050-00006)

Dear Mr. Thurber:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project:	Pownal Tannery
TRI Job Reference Number:	E2208-69-05
Material(s) Tested:	1 Heat Fusion Weld(s)
Test(s) Requested:	SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54)

Codes	
AD	Adhesion failure (100% Peel)
BRK	Break in sheeting away from Seam edge
SE	Break in sheeting at edge of seam
AD-BRK	Break in sheeting after some adhesion failure - partial peel
SIP	Separation in the plane of the sheet (leaving the bond intact)
FTB	Film tearing bond (all non "AD" failures)
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If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Melissa Hunter

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Project Manager
Geosynthetic Services Division
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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pwonal Tannery

Material: LLDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54)
TRI Log #: E2208-69-05

	PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	MEAN	PROJ. SPEC.
Sample ID:	**DS-7**							
Weld:	**Heat Fusion Weld**							
							Peel A	
Side A	Peel Strength (ppi)	83	76	79	81	77	79	48 min
Side A	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side A	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side A	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
							Peel B	
Side B	Peel Strength (ppi)	78	78	80	79	77	78	48 min
Side B	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side B	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side B	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
							Shear	
	Shear Strength (ppi)	88	92	88	85	81	87	56 min
	Shear Elongation @ Break (%)	>50	>50	>50	>50	>50		
Sample ID:	**DS-8**							
Weld:	**Heat Fusion Weld**							
							Peel A	
Side A	Peel Strength (ppi)	78	75	78	78	79	78	48 min
Side A	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side A	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side A	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
							Peel B	
Side B	Peel Strength (ppi)	76	74	77	79	79	77	48 min
Side B	Peel Incursion (%)	<10	<10	<10	<10	<10		
Side B	Peel Locus of Failure Code	SE	SE	SE	SE	SE		
Side B	Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB		
							Shear	
	Shear Strength (ppi)	91	79	86	90	88	87	56 min
	Shear Elongation @ Break (%)	>50	>50	>50	>50	>50		

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GEOCOMPOSITE CONFORMANCE DATA

Summary of Geocomposite Conformance Test Data

Roll Number	Hydraulic Transmissivity, m2/s	Peel Strength Side 1, ppi	Peel Strength Side 2, ppi
400174	7.30E-03	1.2	3.2
400202	6.90E-03	3.2	1
400240	7.50E-03	1.1	1.1
400270	8.40E-03	1	0.5
0406179	5.70E-03		

Notes:

1. All hydraulic transmissivity tests performed with a compressive load of 1000 psf, gradient of 0.1, and a seating time of 100 hours unless otherwise noted. Testing also included a gradient fo 0.33, used for informational purposes.
2. Seating time for Roll No. 0406179 = 42 hours; this roll represented an additional shipment used to complete a small area (see Phase II Design Change No. 2)
3. Required hydraulic transmissivity = 6E-03 m2/s
4. Required Peel Strength = 0.5 pounds per inch (ppi)

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GEOCOMPOSITE TEST RESULTS

TRI Client: Tenax
Project: Pownal Tannery

Hydraulic Transmissivity (ASTM D 4716)
Material: Double Sided Geocomposite
Sample Identification: 400174
TRI Log #: E2208-24-08

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.1											
Seat Time (hours):	1											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		3.41	3.37	3.38							3.39	0.02
Hydraulic Transmissivity (m2/s)		6.9E-03	6.8E-03	6.8E-03							6.8E-03	3.9E-05
Seat Time (hours):	24											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		3.32	3.30	3.30							3.30	0.01
Hydraulic Transmissivity (m2/s)		6.7E-03	6.7E-03	6.7E-03							6.7E-03	1.7E-05
Seat Time (hours):	50											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		3.63	3.61	3.59							3.61	0.01
Hydraulic Transmissivity (m2/s)		7.3E-03	7.3E-03	7.3E-03							7.3E-03	2.8E-05
Seat Time (hours):	72											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		3.60	3.53	3.54							3.56	0.03
Hydraulic Transmissivity (m2/s)		7.3E-03	7.1E-03	7.2E-03							7.2E-03	6.1E-05
Seat Time (hours):	100											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		3.60	3.61	3.68							3.63	0.04
Hydraulic Transmissivity (m2/s)		7.3E-03	7.3E-03	7.4E-03							7.3E-03	7.2E-05

MD Machine Direction TD Transverse Direction NA Not Available

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TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GEOCOMPOSITE TEST RESULTS

TRI Client: Tenax
Project: Pownal Tannery

Hydraulic Transmissivity (ASTM D 4716)
Material: Double Sided Geocomposite
Sample Identification: 400174
TRI Log #: E2208-24-08

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.33											
Seat Time (hours):	1											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		6.78	6.81	6.86							6.82	0.03
Hydraulic Transmissivity (m2/s)		4.1E-03	4.1E-03	4.2E-03							4.1E-03	2.1E-05
Seat Time (hours):	24											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		6.80	6.70	6.74							6.74	0.04
Hydraulic Transmissivity (m2/s)		4.1E-03	4.1E-03	4.1E-03							4.1E-03	2.3E-05
Seat Time (hours):	50											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		6.77	6.75	6.72							6.75	0.02
Hydraulic Transmissivity (m2/s)		4.1E-03	4.1E-03	4.1E-03							4.1E-03	1.4E-05
Seat Time (hours):	72											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		6.72	6.59	6.73							6.68	0.06
Hydraulic Transmissivity (m2/s)		4.1E-03	4.0E-03	4.1E-03							4.0E-03	3.8E-05
Seat Time (hours):	100											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		6.66	6.55	6.61							6.61	0.05
Hydraulic Transmissivity (m2/s)		4.0E-03	4.0E-03	4.0E-03							4.0E-03	2.8E-05

MD Machine Direction TD Transverse Direction NA Not Available

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TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GEOCOMPOSITE TEST RESULTS

TRI Client: Tenax
Project: Pownal Tannery

Peel Strength (ASTM D 413, mod.)
Material: Double Sided Geocomposite
Sample Identification: 400174
TRI Log #: E2208-24-08

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
A - MD Average peel strength (ppi)	1.1	1.1	1.3	0.7	1.6						1.2	0.3
A - MD Average peel strength (g/in)	499	499	590	318	726						527	133
B - MD Average peel strength (ppi)	3.9	3.7	3.8	1.8	3.0						3.2	0.8
B - MD Average peel strength (g/in)	1771	1680	1725	817	1362						1471	357

Note: A and B represent a randomly assigned top and bottom of the sample

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GEOCOMPOSITE TEST RESULTS

TRI Client: Tenax
Project: Pownal Tannery

Hydraulic Transmissivity (ASTM D 4716)
Material: Double Sided Geocomposite
Sample Identification: 400202
TRI Log #: E2208-20-07

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.1											
Seat Time (hours):	1											
Test Temperature (C)	21.5											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		3.59	3.57	3.58							3.58	0.01
Hydraulic Transmissivity (m2/s)		7.2E-03	7.1E-03	7.1E-03							7.1E-03	1.6E-05
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.1											
Seat Time (hours):	22											
Test Temperature (C)	21.5											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		3.51	3.50	3.61							3.54	0.05
Hydraulic Transmissivity (m2/s)		6.8E-03	6.8E-03	7.0E-03							6.9E-03	9.5E-05
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.1											
Seat Time (hours):	72											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		3.48	3.47	3.47							3.47	0.00
Hydraulic Transmissivity (m2/s)		7.0E-03	7.0E-03	7.0E-03							7.0E-03	6.9E-06
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.1											
Seat Time (hours):	100											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		3.45	3.41	3.41							3.42	0.02
Hydraulic Transmissivity (m2/s)		7.0E-03	6.9E-03	6.9E-03							6.9E-03	4.2E-05

MD Machine Direction TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: Tenax
Project: Pownal Tannery

Hydraulic Transmissivity (ASTM D 4716)
Material: Double Sided Geocomposite
Sample Identification: 400202
TRI Log #: E2208-20-07

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.33											
Seat Time (hours):	1											
Test Temperature (C)	21.5											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		6.85	6.88	6.71							6.82	0.07
Hydraulic Transmissivity (m2/s)		4.1E-03	4.1E-03	4.0E-03							4.1E-03	4.4E-05
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.33											
Seat Time (hours):	22											
Test Temperature (C)	21.5											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		6.52	6.47	6.52							6.50	0.02
Hydraulic Transmissivity (m2/s)		3.8E-03	3.8E-03	3.8E-03							3.8E-03	1.4E-05
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.33											
Seat Time (hours):	72											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		6.35	6.47	6.42							6.41	0.05
Hydraulic Transmissivity (m2/s)		3.8E-03	3.9E-03	3.9E-03							3.9E-03	3.2E-05
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.33											
Seat Time (hours):	100											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		6.21	6.25	6.22							6.23	0.02
Hydraulic Transmissivity (m2/s)		3.8E-03	3.8E-03	3.8E-03							3.8E-03	1.1E-05

MD Machine Direction TD Transverse Direction

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This roll retested 7/14/04

GEOCOMPOSITE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pownal Tannery

Material: Double Sided Geocomposite
Sample Identification: 400202
TRI Log #: E2208-07-07

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.1											
Seat Time (hours):	100											
Test Temperature (C)	21.5											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		2.02	1.99	1.98							2.00	0.02
Hydraulic Transmissivity (m2/s)		4.0E-03	4.0E-03	4.0E-03							4.0E-03	3.1E-05
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.33											
Seat Time (hours):	100											
Test Temperature (C)	21.5											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		5.03	5.03	4.95							5.01	0.04
Hydraulic Transmissivity (m2/s)		3.0E-03	3.0E-03	3.0E-03							3.0E-03	2.2E-05
Peel Strength (GRI GC7) 400202												
A - MD Average peel strength (ppi)	4.0	0.5	3.9	4.2	3.4						3.2	1.4
A - MD Average peel strength (g/in)	1816	227	1771	1907	1544						1453	624
B - MD Average peel strength (ppi)	1.0	2.4	0.5	0.8	0.5						1.0	0.7
B - MD Average peel strength (g/in)	454	1090	227	363	227						472	321

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pownal Tannery

Material: Double Sided Geocomposite
Sample Identification: 400240
TRI Log #: E2208-07-07

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.1											
Seat Time (hours):	100											
Test Temperature (C)	21.5											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		3.77	3.75	3.78							3.77	0.01
Hydraulic Transmissivity (m2/s)		7.5E-03	7.5E-03	7.5E-03							7.5E-03	2.2E-05
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.33											
Seat Time (hours):	100											
Test Temperature (C)	21.5											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		7.14	7.13	7.10							7.12	0.02
Hydraulic Transmissivity (m2/s)		4.3E-03	4.3E-03	4.3E-03							4.3E-03	1.0E-05
Peel Strength (GRI GC7)												
A - MD Average peel strength (ppi)	2.1	0.7	1.6	0.7	0.6						1.1	0.6
A - MD Average peel strength (g/in)	953	318	726	318	272						518	273
B - MD Average peel strength (ppi)	2.3	0.6	0.8	1.1	0.5						1.1	0.7
B - MD Average peel strength (g/in)	1044	272	363	499	227						481	296

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: Tenax
Project: Pownal Tannery

Hydraulic Transmissivity (ASTM D 4716)
Material: Double Sided Geocomposite
Sample Identification: 400270
TRI Log #: E2208-30-04

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.1											
Seat Time (hours):	1											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		4.30	4.28	4.32							4.30	0.01
Hydraulic Transmissivity (m2/s)		8.7E-03	8.6E-03	8.7E-03							8.7E-03	2.9E-05
Seat Time (hours):	24											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		4.27	4.27	4.26							4.27	0.01
Hydraulic Transmissivity (m2/s)		8.6E-03	8.6E-03	8.6E-03							8.6E-03	1.7E-05
Seat Time (hours):	48											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		4.20	4.31	4.24							4.25	0.04
Hydraulic Transmissivity (m2/s)		8.5E-03	8.7E-03	8.6E-03							8.6E-03	8.7E-05
Seat Time (hours):	100											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		4.18	4.19	4.19							4.18	0.01
Hydraulic Transmissivity (m2/s)		8.4E-03	8.5E-03	8.5E-03							8.4E-03	1.0E-05

MD Machine Direction TD Transverse Direction NA Not Available

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GEOCOMPOSITE TEST RESULTS

TRI Client: Tenax
Project: Pownal Tannery

Hydraulic Transmissivity (ASTM D 4716)
Material: Double Sided Geocomposite
Sample Identification: 400270
TRI Log #: E2208-30-04

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.33											
Seat Time (hours):	1											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		7.96	8.11	7.83							7.97	0.11
Hydraulic Transmissivity (m2/s)		4.8E-03	4.9E-03	4.7E-03							4.8E-03	6.8E-05
Seat Time (hours):	24											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		8.32	8.28	8.38							8.33	0.04
Hydraulic Transmissivity (m2/s)		5.0E-03	5.0E-03	5.1E-03							5.0E-03	2.3E-05
Seat Time (hours):	48											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		7.88	7.80	7.82							7.83	0.04
Hydraulic Transmissivity (m2/s)		4.8E-03	4.7E-03	4.7E-03							4.7E-03	2.2E-05
Seat Time (hours):	100											
Test Temperature (C)	21											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		7.80	7.82	7.76							7.79	0.03
Hydraulic Transmissivity (m2/s)		4.7E-03	4.7E-03	4.7E-03							4.7E-03	1.5E-05

MD Machine Direction TD Transverse Direction NA Not Available

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GEOCOMPOSITE TEST RESULTS

TRI Client: Tenax
Project: Pownal Tannery

Hydraulic Transmissivity (ASTM D 4716)
Material: Double Sided Geocomposite
Sample Identification: 400270
TRI Log #: E2208-30-04

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Peel Strength (GRI GC7)												
A - MD Average peel strength (ppi)	0.9	0.6	0.9	1.4	1.1						1.0	0.3
A - MD Average peel strength (g/in)	409	272	409	636	499						445	120
B - MD Average peel strength (ppi)	1.0	0.4	0.2	0.5	0.6						0.5	0.3
B - MD Average peel strength (g/in)	454	182	91	227	272						245	120

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction TD Transverse Direction NA Not Available

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GEOCOMPOSITE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pownal Tannery

Material: Double Sided Geocomposite
Sample Identification: 0406179
TRI Log #: E2208-62-03

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf):	1000											
Hydraulic Gradient:	0.1											
Seat Time (hours):	1											
Test Temperature (C)	23											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		3.30	3.30	3.27							3.29	0.02
Hydraulic Transmissivity (m2/s)		6.4E-03	6.4E-03	6.3E-03							6.3E-03	3.1E-05
Hydraulic Gradient:	0.33											
Seat Time (hours):	1											
Test Temperature (C)	23											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		6.47	6.34	6.34							6.38	0.06
Hydraulic Transmissivity (m2/s)		3.7E-03	3.7E-03	3.7E-03							3.7E-03	3.5E-05
Hydraulic Gradient:	0.1											
Seat Time (hours):	18											
Test Temperature (C)	25											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		3.14	3.11	3.11							3.12	0.01
Hydraulic Transmissivity (m2/s)		6.0E-03	6.0E-03	6.0E-03							6.0E-03	2.8E-05
Hydraulic Gradient:	0.33											
Seat Time (hours):	18											
Test Temperature (C)	25											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		5.98	5.98	5.98							5.98	0.00
Hydraulic Transmissivity (m2/s)		3.5E-03	3.5E-03	3.5E-03							3.5E-03	0.0E+00

MD Machine Direction TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pownal Tannery

Material: Double Sided Geocomposite
Sample Identification: 0406179
TRI Log #: E2208-62-03

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Hydraulic Gradient:	0.1											
Seat Time (hours):	30											
Test Temperature (C)	23											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		3.08	3.08	3.05							3.07	0.01
Hydraulic Transmissivity (m2/s)		5.9E-03	5.9E-03	5.9E-03							5.9E-03	2.7E-05
Hydraulic Gradient:	0.33											
Seat Time (hours):	30											
Test Temperature (C)	23											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		5.98	5.87	5.87							5.91	0.05
Hydraulic Transmissivity (m2/s)		3.5E-03	3.4E-03	3.4E-03							3.4E-03	3.0E-05
Hydraulic Gradient:	0.1											
Seat Time (hours):	42											
Test Temperature (C)	23											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		2.99	2.96	2.96							2.97	0.01
Hydraulic Transmissivity (m2/s)		5.8E-03	5.7E-03	5.7E-03							5.7E-03	2.5E-05
Hydraulic Gradient:	0.33											
Seat Time (hours):	42											
Test Temperature (C)	23											
Direction Tested: machine direction												
Profile (Top to Bottom): Plate/Cover Soil/Sample/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		5.87	5.76	5.87							5.84	0.05
Hydraulic Transmissivity (m2/s)		3.4E-03	3.3E-03	3.4E-03							3.4E-03	2.9E-05

MD Machine Direction TD Transverse Direction

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GEOTEXTILE CONFORMANCE DATA

Summary of Geotextile Conformance Test Data

Sample Number	Puncture Strength (ASTM D 4833) (lbs)	Trapezoidal Tear Resistence (ASTM D 4533) (lbs)	Grab Tensile Properties (ASTM D 4632)	
			Strength MD-TD (lbs)	Elongation MD-TD (%)
(GT-01) 2022118233	198.00	130-136	415-384	70-77
(GT-02) 104121870	179.00	127-138	413-424	79-93

Notes:

1. Tensile Properties: MD Machine Direction, TD Transverse Direction
2. The Geotextile used is nonwoven FX110HS by Carthage Mills (Specification type "B")

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GEOTEXTILE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pownal Tannery

Material: Nonwoven Geotextile
Sample Identification: 2002118233
TRI Log #: E2208-07-07

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	406	464	505	375	455	357	375	404	402	402	415	44
TD - Tensile Strength (lbs)	404	287	325	401	406	399	422	464	350	383	384	48
MD - Elong. @ Max. Load (%)	61	71	64	71	73	65	78	71	72	77	70	5
TD - Elong. @ Max. Load (%)	75	63	57	93	79	77	85	87	78	78	77	10
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	223	190	193	154	186	188	214	149	187	181	198	28
	245	179	213	252	218							
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	154	141	116	125	100	127	136	141	135	128	130	14
TD - Tear Strength (lbs)	125	132	106	144	110	185	96	144	186	131	136	29

) Machine Direction TD Transverse Direction

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GEOTEXTILE TEST RESULTS

TRI Client: Metcalf & Eddy
Project: Pownal Tannery

Material: Nonwoven Geotextile FX110 HS (Type B)
Sample Identification: GT-02 (Roll# 2002118232)
TRI Log #: E2208-18-03

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	411	451	457	396	368	390	464	415	356	421	413	35
TD - Tensile Strength (lbs)	415	424	453	395	467	406	410	388	478	403	424	30
MD - Elong. @ Max. Load (%)	78	77	89	83	70	71	79	94	75	71	79	8
TD - Elong. @ Max. Load (%)	77	100	102	89	87	88	91	95	96	103	93	8
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	141	154	192	170	161	204	168	193	201	225	179	21
	155	183	187	172	177							
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	134	119	167	113	141	118	113	122	112	127	127	16
TD - Tear Strength (lbs)	166	129	129	127	144	113	141	170	132	129	138	17

MD Machine Direction TD Transverse Direction

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INTERFACE FRICTION DATA

TRI/ENVIRONMENTAL, INC.
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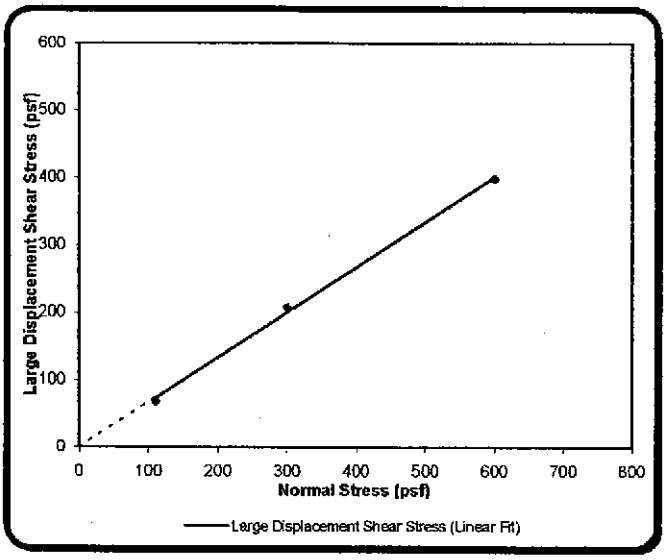
INTERFACE FRICTION TEST REPORT

Client: **Metcalf & Eddy**
Project: Pownal Tannery
Test Date: 7/12-7/14/04

TRI Log#: E2201-11-06
Test Method: ASTM D 5321

Tested Interface: Textured 40 mil LLDPE Geomembrane vs. Gas Vent Sand



Upper Box: Gas vent sand soil compacted to 116.8 pcf at 12.0 % moisture content (92 % maximum dry density at optimum moisture content as determined by a standard Proctor test).

Lower Box: 40 mil textured LLDPE geomembrane

Interface Conditioning: Interface soaked and loading applied for a minimum of 15 minutes prior to shear

Box Dimension: 12"x12"x4"

Test Condition: Wet

Shearing Rate: 0.2 inches/minute

Trial Number	1	2	3
Bearing Slide Resistance (lbs)	9	11	14
Normal Stress (psf)	110	300	600
Large Displacment Shear Stress (psf)	78	219	413
Corrected Shear Stress (psf)	69	208	399
Secant Angle (degrees)	32.1	34.8	33.6

RESULTS: Large Displacement Friction Angle and Y-intercept at 3.3-in. of Displacement

Regression Friction Angle (degrees):		**33.9**		
Y-intercept or Regression Adhesion (psf):		**0**		
Regression Line:	Y=	0.671	* X +	0
Regression Coefficient (r squared):		0.999		

MES 7-14-04
Quality Review/Date

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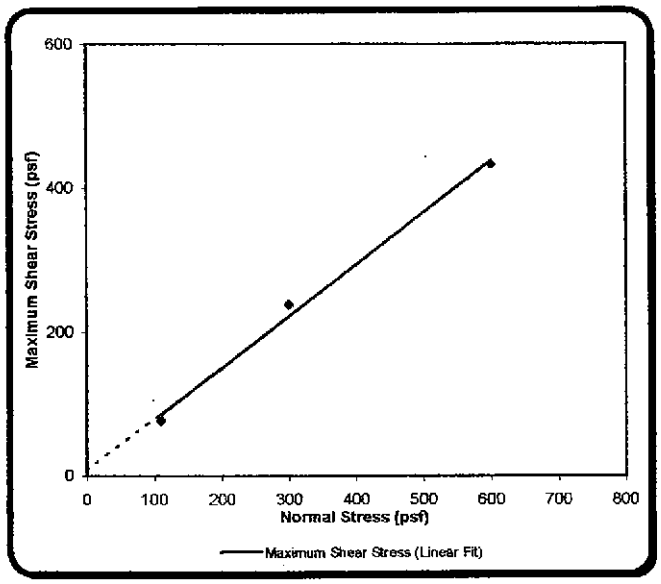
INTERFACE FRICTION TEST REPORT

Client: **Metcalf & Eddy**
Project: Pownal Tannery
Test Date: 7/12-7/14/04

TRI Log#: E2201-11-06
Test Method: ASTM D 5321

Tested Interface: Textured 40 mil LLDPE Geomembrane vs. Gas Vent Sand



Upper Box: Gas vent sand soil compacted to 116.8 pcf at 12.0 % moisture content (92 % maximum dry density at optimum moisture content as determined by a standard Proctor test).

Lower Box: 40 mil textured LLDPE geomembrane

Interface Conditioning: Interface soaked and loading applied for a minimum of 15 minutes prior to shear

Box Dimension: 12"x12"x4"

Test Condition: Wet

Shearing Rate: 0.2 inches/minute

Trial Number	1	2	3
Bearing Slide Resistance (lbs)	9	11	14
Normal Stress (psf)	110	300	600
Maximum Shear Stress (psf)	86	249	446
Corrected Shear Stress (psf)	77	238	432
Secant Angle (degrees)	35.0	38.4	35.8

RESULTS: Maximum Friction Angle and Y-intercept

Regression Friction Angle (degrees):		**35.7**		
Y-intercept or Regression Adhesion (psf):		**7**		
Regression Line:	Y=	0.718	* X +	7
Regression Coefficient (r squared):		0.994		

MES 7-14-04
Quality Review/Date

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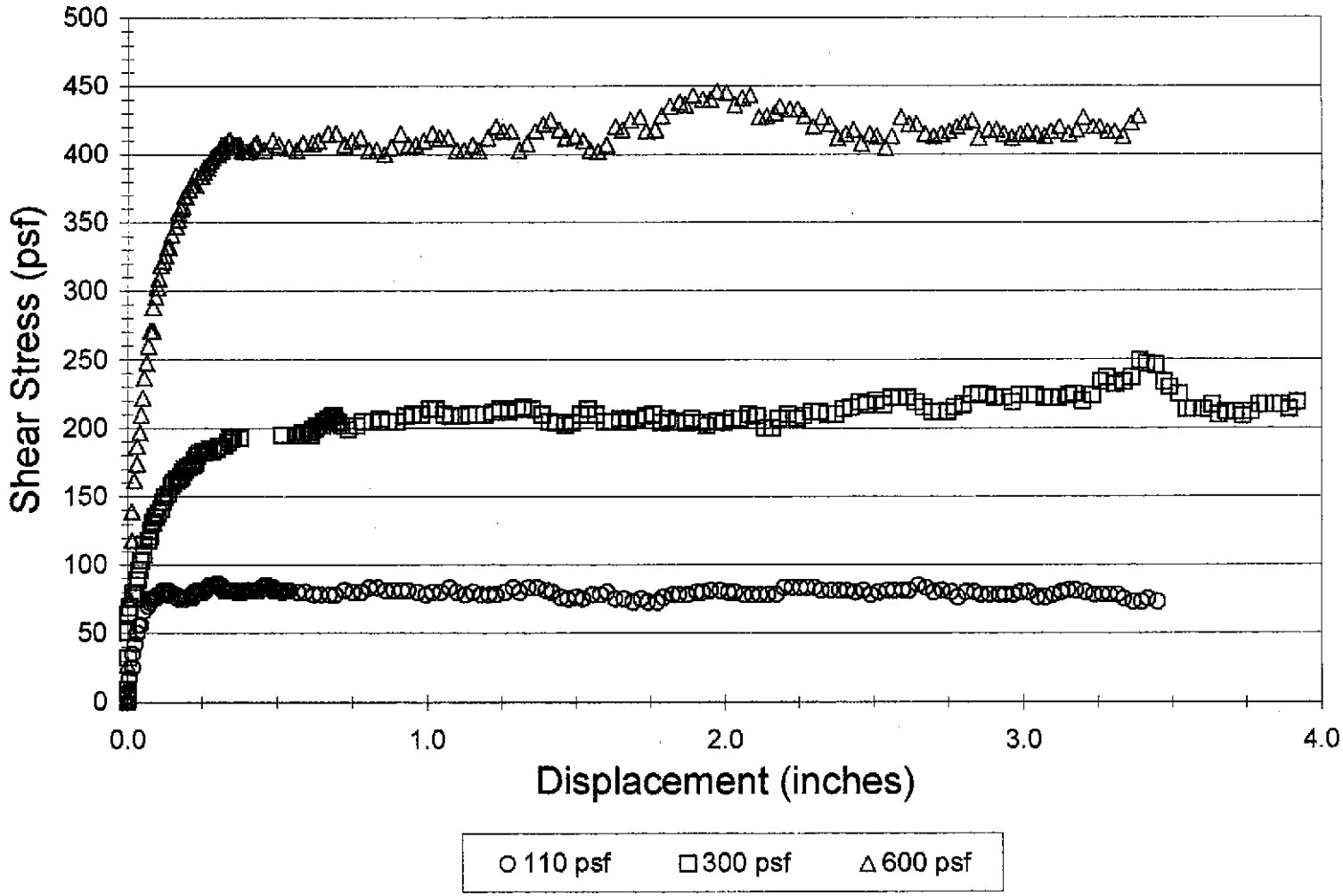
TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

METCALF & EDDY INTERFACE FRICTION TEST
Gas Vent Sand vs. 40 mil Textured LLDPE Geomembrane



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TRI Log No. E2201-11-06

TRI/ENVIRONMENTAL, INC.
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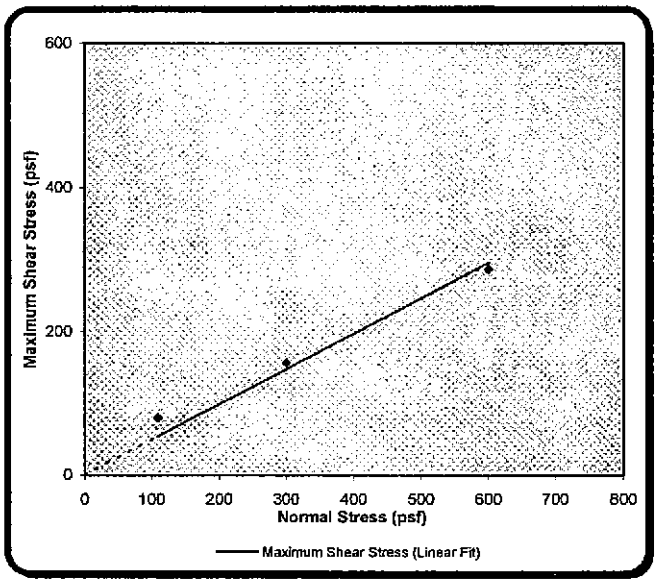
INTERFACE FRICTION TEST REPORT

Client: **Metcalf & Eddy**
Project: Pownal Tannery
Test Date: 7/16-7/16/04

TRI Log#: E2201-11-06
Test Method: ASTM D 5321

Tested Interface: Textured 40 mil LLDPE Geomembrane vs. Double-Sided Geocomposite (Roll No. 174)



Upper Box: Double-sided geocomposite (Roll No. 174)

Lower Box: 40 mil textured LLDPE geomembrane

Interface Conditioning: Interface soaked and loading applied for a minimum of 15 minutes prior to shear

Box Dimension: 12"x12"x4"

Test Condition: Wet

Shearing Rate: 0.2 inches/minute

Trial Number	1	2	3
Bearing Slide Resistance (lbs)	9	11	14
Normal Stress (psf)	110	300	600
Maximum Shear Stress (psf)	89	167	300
Corrected Shear Stress (psf)	80	156	286
Secant Angle (degrees)	36.0	27.5	25.5

RESULTS: Maximum Friction Angle and Y-intercept

Regression Friction Angle (degrees):		**26.2**		
Y-intercept or Regression Adhesion (psf):		**0**		
Regression Line:	Y=	0.492	* X +	0
Regression Coefficient (r squared):		0.972		

MES 7-16-04
Quality Review/Date

Note: The regression line includes the origin.

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TRI/ENVIRONMENTAL, INC.
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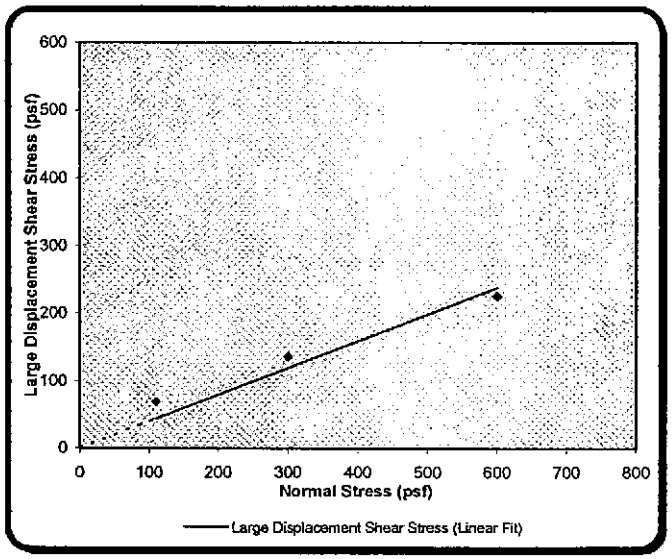
INTERFACE FRICTION TEST REPORT

Client: **Metcalf & Eddy**
Project: Pownal Tannery
Test Date: 7/16-7/16/04

TRI Log#: E2201-11-06
Test Method: ASTM D 5321

Tested Interface: Textured 40 mil LLDPE Geomembrane vs. Double-Sided Geocomposite (Roll No. 174)



Upper Box: Double-sided geocomposite (Roll No. 174)

Lower Box: 40 mil textured LLDPE geomembrane

Interface Conditioning: Interface soaked and loading applied for a minimum of 15 minutes prior to shear

Box Dimension: 12"x12"x4"

Test Condition: Wet

Shearing Rate: 0.2 inches/minute

Trial Number	1	2	3
Bearing Slide Resistance (lbs)	9	11	14
Normal Stress (psf)	110	300	600
Large Displacment Shear Stress (psf)	78	146	239
Corrected Shear Stress (psf)	69	135	225
Secant Angle (degrees)	32.1	24.3	20.6

RESULTS: Large Displacement Friction Angle and Y-intercept at 3.3-in. of Displacement

Regression Friction Angle (degrees):		**21.6**		
Y-intercept or Regression Adhesion (psf):		**0**		
Regression Line:	Y=	0.396	* X +	0
Regression Coefficient (r squared):		0.946		

MES 7-16-04
Quality Review/Date

Note: The regression line includes the origin.

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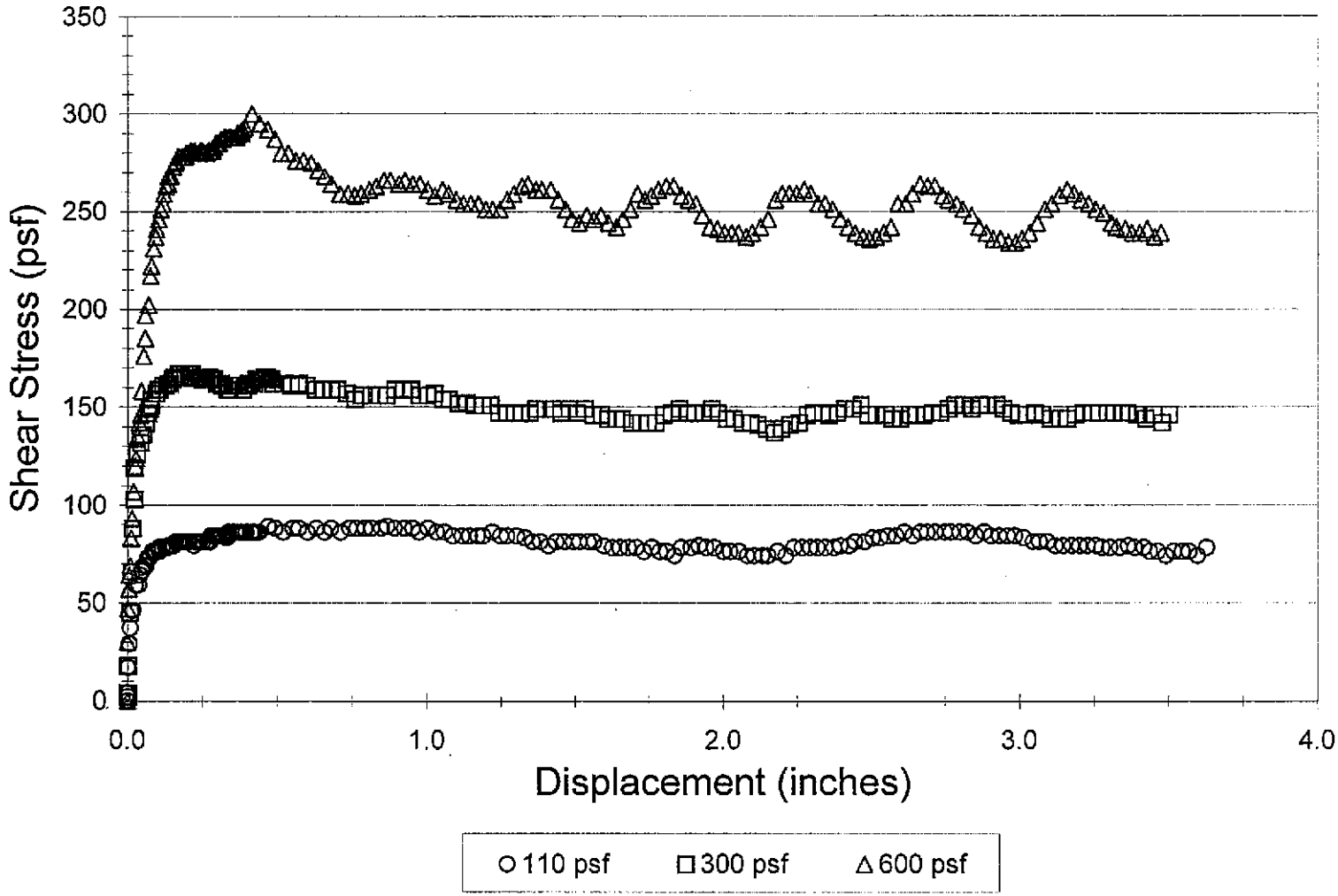
METCALF & EDDY INTERFACE FRICTION TEST
Double-Sided Geocomposite (Roll No. 174) vs. 40 mil Textured LLDPE Geomembrane



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TRI Log No. E2201-11-06

Interface Shear Test Series by ASTM D 5321

Client:	Maxymillian Technologies	**Start Date:**	07/16/04
Project Name:	Phase II Remediation - Pownal Tannery Superfund	**End Date:**	07/16/04
Project Location:	Pownal, VT	**Tested By:**	RMT
GTX #:	5150	**Checked By:**	JDT

Test Profile / Setup Top to bottom: **Series #1; steel plate / GEOMEMBRANE / GEOCOMPOSITE / textured gripping surface**

Soil ID/Description: ---

Soil Preparation: ---

Compaction Characteristics ASTM D 1557:

Maximum Dry Density, pcf	Optimum Moisture Content, %
---	---

Geosynthetic Description / Preparation: Geomembrane: Roll #104121878. 40 mil Textured LLDPE
Geocomposite: Roll #0400202. Orange, double non-woven with protrusions.

Test Equipment: Top box = 12 in x 12 in; Bottom box = 16 in x 12 in; Load cells and LVDTs connected to data acquisition system for shear force, normal load and horizontal displacement readings; Flat plate clamping device; surface area = 144 in^2

Test Condition: inundated

Horizontal Displacement, in/min: 0.2

Parameter	Point 1	Point 2	Point 3	Point 4	Point 5
Initial Moisture Content, %	---	---	---	---	---
Initial Dry Density, pcf	---	---	---	---	---
Percent Compaction, %	---	---	---	---	---
Normal Compressive Stress, psf	100	300	600	---	---
Peak Shear Stress, psf	123	229	372	---	---
Post Peak Shear Stress, psf	93	166	261	---	---
Final Moisture Content, %	---	---	---	---	---

NOTE:

Peak Friction Angle:	**26**	**degrees**
Peak Cohesion:	**76**	**psf**
Post Peak Friction Angle:	**18**	**degrees**
Post Peak Cohesion:	**62**	**psf**

Figure a. Shear Force vs. Horizontal Displacement

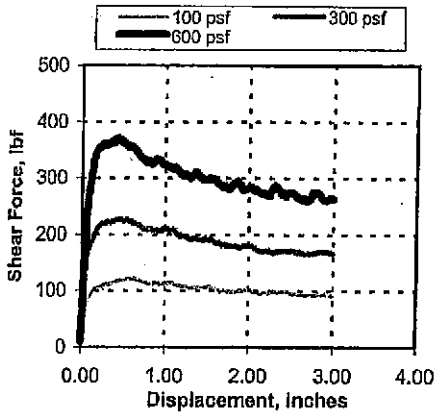
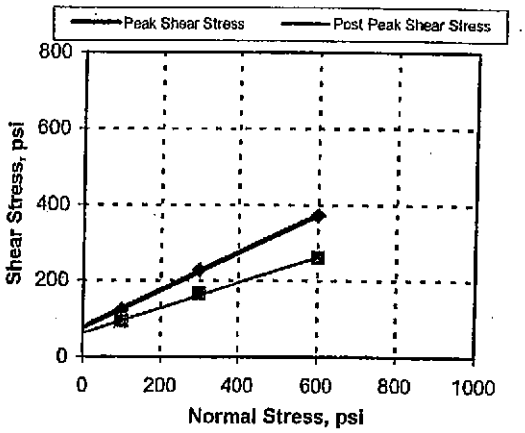


Figure b. Shear Stress vs. Normal Stress



Notes: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

Form D5321REP, version 2

TRI/ENVIRONMENTAL, INC.
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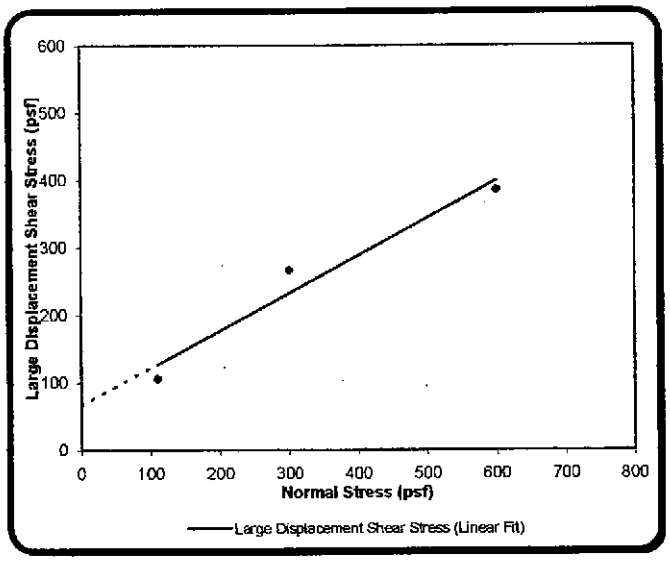
INTERFACE FRICTION TEST REPORT

Client: **Metcalf & Eddy**
Project: Pownal Tannery
Test Date: 7/12-7/14/04

TRI Log#: E2201-11-06
Test Method: ASTM D 5321

Tested Interface: Double Sided-Geocomposite vs. Cover Soil



Upper Box: Cover soil compacted to 113.0 pcf at 9.5 % moisture content (90 % maximum dry density at optimum moisture content as determined by a standard Proctor test).

Lower Box: Double-sided geocomposite

Interface Conditioning: Interface soaked and loading applied for a minimum of 15 minutes prior to shear

Box Dimension: 12"x12"x4"

Test Condition: Wet

Shearing Rate: 0.2 inches/minute

Trial Number	1	2	3
Bearing Slide Resistance (lbs)	9	11	14
Normal Stress (psf)	110	300	600
Large Displacment Shear Stress (psf)	115	278	400
Corrected Shear Stress (psf)	106	267	386
Secant Angle (degrees)	43.9	41.7	32.8

RESULTS: Large Displacement Friction Angle and Y-intercept at 3.3-in. of Displacement

Regression Friction Angle (degrees):		**29.1**		
Y-intercept or Regression Adhesion (psf):		**66**		
Regression Line:	Y=	0.556	* X +	66
Regression Coefficient (r squared):		0.954		

MES 7-14-04
Quality Review/Date

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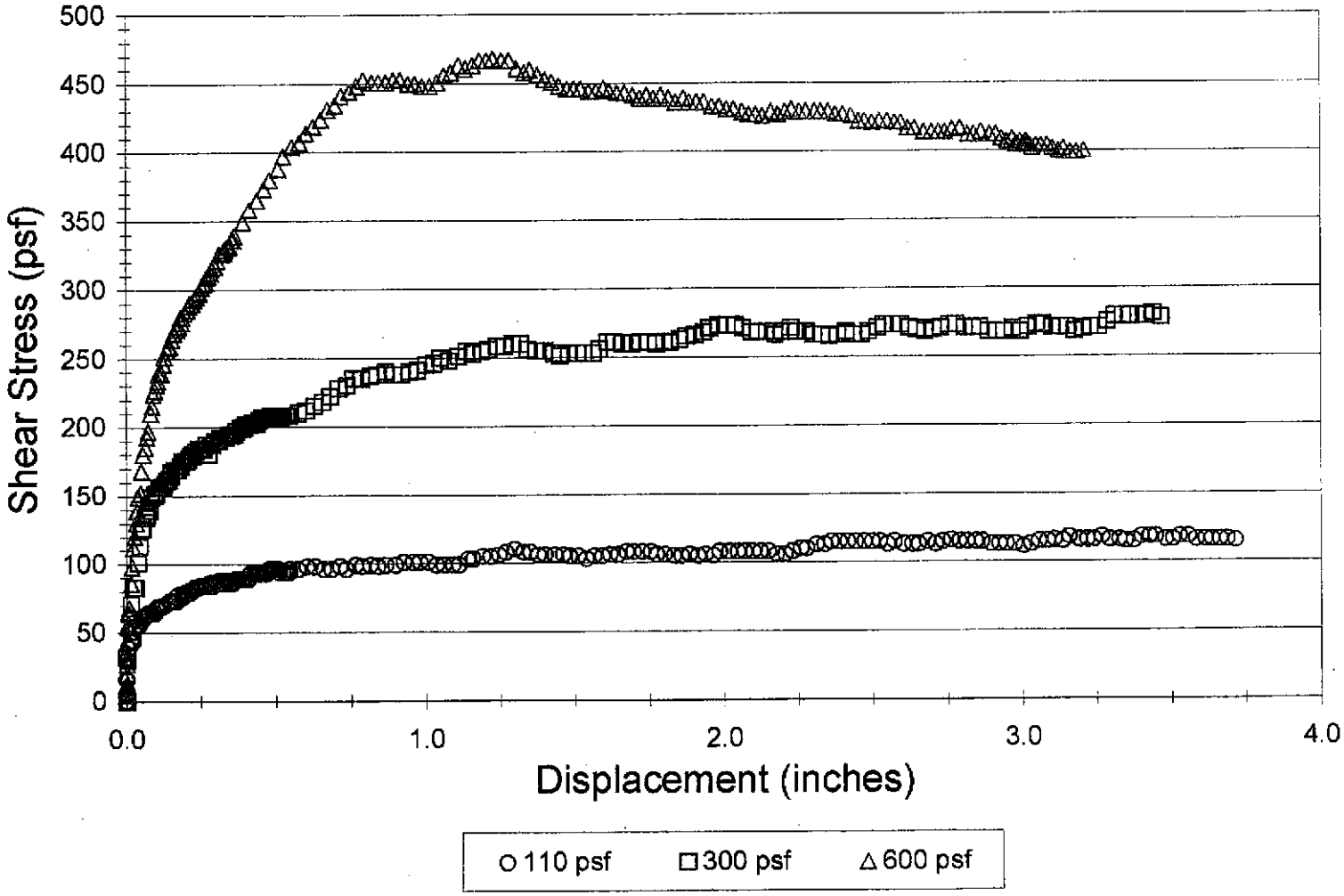
METCALF & EDDY INTERFACE FRICTION TEST
Cover Soil vs. Double-Sided Geocomposite



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TRI Log No. E2201-11-06

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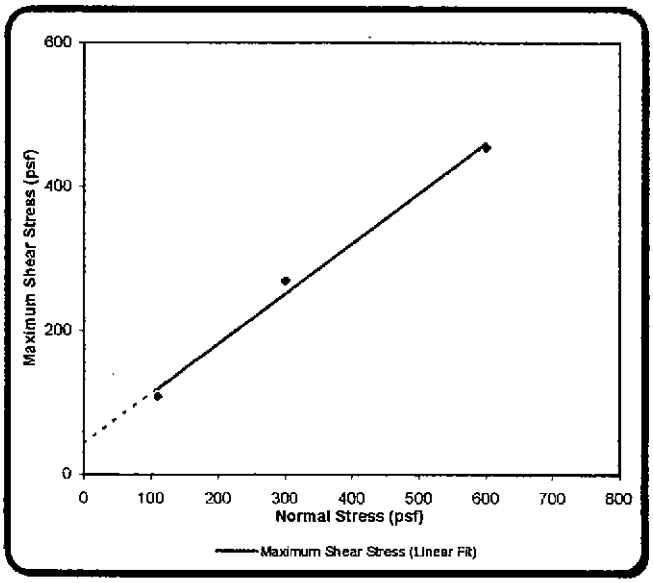
INTERFACE FRICTION TEST REPORT

Client: **Metcalf & Eddy**
Project: Pownal Tannery
Test Date: 7/12-7/14/04

TRI Log#: E2201-11-06
Test Method: ASTM D 5321

Tested Interface: Double Sided-Geocomposite vs. Cover Soil



Upper Box: Cover soil compacted to 113.0 pcf at 9.5 % moisture content (90 % maximum dry density at optimum moisture content as determined by a standard Proctor test).

Lower Box: Double-sided geocomposite

Interface Conditioning: Interface soaked and loading applied for a minimum of 15 minutes prior to shear

Box Dimension: 12"x12"x4"

Test Condition: Wet

Shearing Rate: 0.2 inches/minute

Trial Number	1	2	3
Bearing Slide Resistance (lbs)	9	11	14
Normal Stress (psf)	110	300	600
Maximum Shear Stress (psf)	118	281	468
Corrected Shear Stress (psf)	109	270	454
Secant Angle (degrees)	44.7	42.0	37.1

RESULTS: Maximum Friction Angle and Y-intercept

Regression Friction Angle (degrees):		**34.9**		
Y-intercept or Regression Adhesion (psf):		**43**		
Regression Line:	Y=	0.697	* X +	43
Regression Coefficient (r squared):		0.992		

MES 7-14-04
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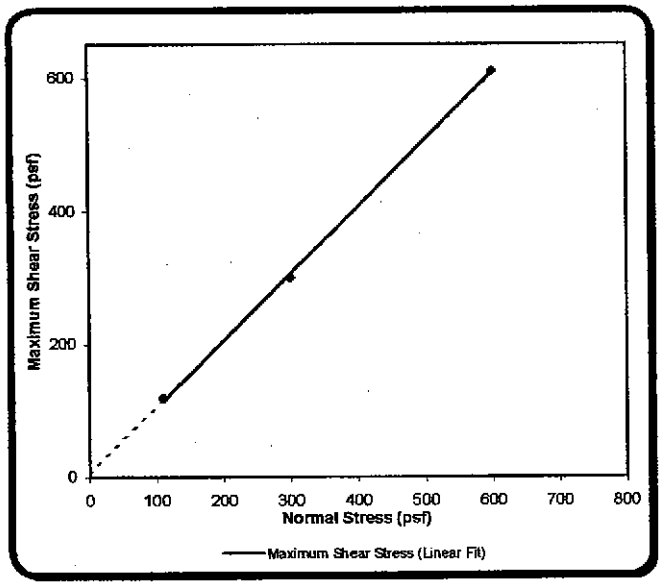
INTERFACE FRICTION TEST REPORT

Client: **Metcalf & Eddy**
Project: Pownal Tannery
Test Date: 7/12-7/14/04

TRI Log#: E2201-11-06
Test Method: ASTM D 5321

Tested Interface: Crushed Gravel vs. Non-Woven Geotextile B



Upper Box: Crushed gravel compacted to 117.9 pcf at 9.0 % moisture content (90 % maximum dry density at optimum moisture content as determined by a standard Proctor test).

Lower Box: Non-woven geotextile B

Interface Conditioning: Interface soaked and loading applied for a minimum of 15 minutes prior to shear

Box Dimension: 12"x12"x4"

Test Condition: Wet

Shearing Rate: 0.2 inches/minute

Trial Number	1	2	3
Bearing Slide Resistance (lbs)	9	11	14
Normal Stress (psf)	110	300	600
Maximum Shear Stress (psf)	128	311	624
Corrected Shear Stress (psf)	119	300	610
Secant Angle (degrees)	47.2	45.0	45.5

RESULTS: Maximum Friction Angle and Y-intercept

Regression Friction Angle (degrees):		**45.2**		
Y-intercept or Regression Adhesion (psf):		**5**		
Regression Line:	Y=	1.006	* X +	5
Regression Coefficient (r squared):		1.000		

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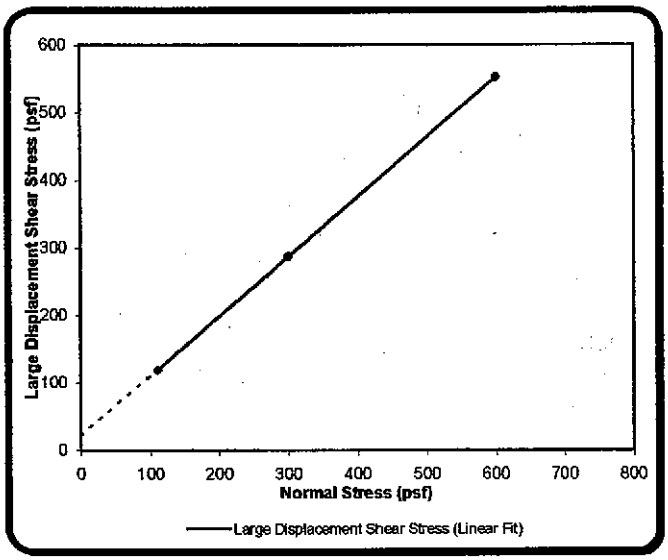
INTERFACE FRICTION TEST REPORT

Client: **Metcalf & Eddy**
Project: Pownal Tannery
Test Date: 7/12-7/14/04

TRI Log#: E2201-11-06
Test Method: ASTM D 5321

Tested Interface: Crushed Gravel vs. Non-Woven Geotextile B



Upper Box: Crushed gravel compacted to 117.9 pcf at 9.0 % moisture content (90 % maximum dry density at optimum moisture content as determined by a standard Proctor test).

Lower Box: Non-woven geotextile B

Interface Conditioning: Interface soaked and loading applied for a minimum of 15 minutes prior to shear

Box Dimension: 12"x12"x4"

Test Condition: Wet

Shearing Rate: 0.2 inches/minute

Trial Number	1	2	3
Bearing Slide Resistance (lbs)	9	11	14
Normal Stress (psf)	110	300	600
Large Displacment Shear Stress (psf)	128	298	567
Corrected Shear Stress (psf)	119	287	553
Secant Angle (degrees)	47.2	43.7	42.7

RESULTS: Large Displacement Friction Angle and Y-intercept at 3.3-in. of Displacement

Regression Friction Angle (degrees):		**41.6**		
Y-intercept or Regression Adhesion (psf):		**21**		
Regression Line:	Y=	0.886	* X +	21
Regression Coefficient (r squared):		1.000		

MES 7-14-04
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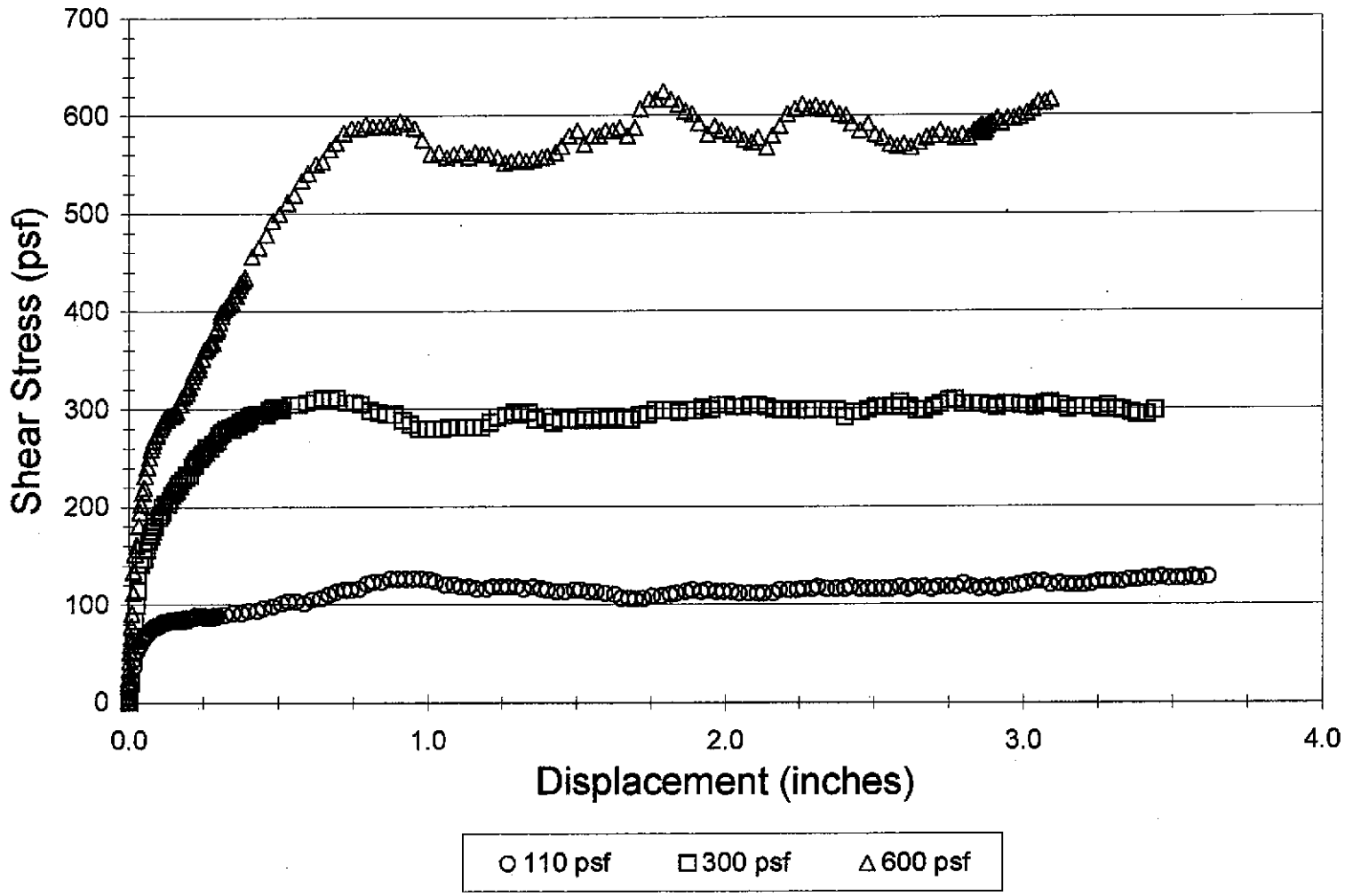
METCALF & EDDY INTERFACE FRICTION TEST
Crushed Gravel vs. Non-Woven Geotextile B



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TRI Log No. E2201-11-06

APPENDIX J

TRANSITE PIPE SHIPPING RECORDS
(Phase I and II)

WASTE SHIPMENT RECORD

359

GENERATOR

1. Work site (Generator): US EPA REGION 1
Name POWNAL TANNERY
Mailing Address 22 DEAN ST (FORMER TANNERY)
City/State/Zip NORTH POWNAL, VT 05261

Owner's Name: US EPA REGION 1

Owner's telephone no.: 617-918-1374

2. Remover's name and address: MAXYMILLIAN TECHNOLOGIES, INC. 1801 EAST ST - PITTSFIELD MA 01201

Remover's telephone no.: 413-499-3050

3. Waste Disposal Site (WDS)
Name: WMNH-T.R.E.E.
Mailing Address: P.O. BOX 7065
City/State/Zip: ROCHESTER, NH 03839

WDS telephone no. 603/330.0217

Physical Site Location: 97 ROCHESTER NECK ROAD ROCHESTER, NH 03839

Additional Information:

Profile No. 0 5 7 0 4 0

4. Name and address of responsible agency
USEPA - REGION 1

5. Description of materials
RQ, ASBESTOS, 9, NA2212, III
RQ = 1 LB (ONE POUND)

6. Containers
No. 1 Type Roll-off

7. Total quantity m³ (yd³) Approx 30 CY

8. Special handling instructions and additional information (provided by generator.)

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. NOTE: Generator must retain a copy of this form.

Printed/typed name & title: JURAS BAGAR, RESIDENT ENGINEER AS AGENT FOR EPA
Signature:
Month Day Year: 9/28/04

10. Transporter 1 (Acknowledgment of receipt of materials)

Printed/typed name & title: MAXYMILLIAN TECHNOLOGIES
Signature: Laurence L Mason
Month Day Year: 9-30-04

Address and telephone no.: 1801 EAST ST - PITTSFIELD MA 01201

TRANSPORTER

11. Transporter 2 (Acknowledgment of receipt of materials)

Printed/typed name & title:
Signature:
Month Day Year:

Address and telephone no.:

12. Discrepancy indication space

Rejected: Yes ☐ No ☐

13. Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/typed name & title: CCapos
Signature:
Month Day Year: 9 30 04

ORIGINAL RETURN TO GENERATOR

WASTE MANAGEMENT

90 ROCHESTER NECK RD, ROCHESTER, NH
PH: 603-330-2134 FAX 603-330-2138
M - F 8:00am - 3:30pm Sat 8 - 11:30

TICKET: 233781
DATE: 09/30/2004
TIME: 13:09 - 13:47

CUSTOMER: 816 / MAXYMILLAN TECHNOLOGIES
GENERATOR: A732 / POWNAL TANNERY, USEPA REGION 1
PROFILE #: 57040
TRUCK: 359 LICENSE:
ROUTE: NA / Non App MANIFEST:
COMMENT:
PROFILE DESCRIPTION: TRANSITE PIPE

P.O.:
GROSS: 44680 LBS
TARE: 32560 LBS
NET: 12120 LBS

WASTE	NET/TONS	UNIT
20 / SPW - SPECIAL WASTE / TON	6.06	T
FUELSUR / FUEL SURCHARGE		

6.06 Ton

IN: Christina Kapo OUT: ROSY BADIA B: NHROCH04PC

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE DRIVER: Larry Mason

SERVICE TRANSPORT GROUP, INC.

P.O. BOX 2132, BRISTOL, PA 19007 PHONE:(877) 999-9559

№ 101451

WASTE SHIPMENT RECORD

S.T.G. #

GENERATOR

1. Material Origin Site
Pownal Tannery Superfund Site
22 Dean Street
North. Pownal VT

Generator: Name/Address
U.S. Environmental Protection Agency
1 Congress Street
Room 1100
Boston, MA 02114

Generator: Phone #
(617) 918-1111

2. Removal Contractor: Name/Address
Aulson Company
49 Danton Drive
Methuen, MA 01844

Contact: Jerry White

Contractor: Phone #
978-975-4500

3. Responsible Agency: Name/Address
U.S. EPA Region I
JFK Federal Building
Boston, MA 02203-2211

4. US DOT Class - FRIABLE ASBESTOS ONLY
RQ ASBESTOS, 9, NA 2212, PG III

5. Description of Materials
Specify Friable or Non-Friable

Containers No.	Type	Total Quantity
TRANSITE PIPE	2 POLY WRAPPED	2

6. Special Handling Instructions
24-hour emergency spill response no. 877-424-9300

7. Generator Certification:
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport by highway according to the applicable regulations of the Department of Transportation, US E.P.A., and any other state government agency. I certify that the foregoing is true and correct to the best of my knowledge. If the waste shipment is not as I stated, I accept the RETURN of the COMPLETE LOAD to the generator's service location at the generator's expense.

Juras L Baigar, AS AN AGENT FOR EPA

Printed/Typed Name & Title RESIDENT ENGINEER
Signature [signature]
Date 11/03/03

TRANSPORTER

8. Transporter 1 (Acknowledgement of Receipt of Materials) *If blank, Transporter 2 serves as sole transporter.
Company Name & Address
Aulson Co
Methuen MA 01844

Signature: [signature]
Printed Name: Wm Price
Title: Supvisor
Telephone No. Same
Date: 11-3-03

9. Transporter 2 (Acknowledgement of Receipt of Materials)
Company Name & Address
Service Transport Group, Inc.
P.O. Box 2132
Bristol, PA 19007

Signature:
Printed Name:
Title:
Telephone No. 877-999-9559
Date:

DISPOSAL SITE

10. Discrepancy Indication Space:

11. Waste Disposal/Recycling Site Owner or Operator's Certification
(Receipt of above Waste Except as Noted in 10)

BFI Imperial Landfill
11 Boggs Road
Imperial, PA 15126
724-695-0900
Permit No. 100620

Signature:
Printed Name:
Title:
Telephone No. 330-488-0000
Date

WHITE-Disposal Site • GREEN-S.T.G. • YELLOW-Contractor • PINK-Generator • GOLD - Pick Up Receipt

SERVICE TRANSPORT GROUP, INC. A04-503

P.O. BOX 2132, BRISTOL, PA 19007 PHONE:(877) 999-9559

№ 101451 **WASTE SHIPMENT RECORD** S.T.G. # 4637

GENERATOR

1. Material Origin Site: [illegible] Sanitary Site, 22 [illegible] St, North [illegible] VT
Generator: Name/Address: U.S. Environmental Protection Agency, [illegible] Street, [illegible] Boston, MA [illegible]
Generator: Phone #: 617 918 1111

2. Removal Contractor: Name/Address: Aulson Company, 49 Danton Drive, Methuen, MA 01844
Contact: Jerry White
Contractor: Phone #: 978-975-4500

3. Responsible Agency: Name/Address: U.S. EPA Region I, JFK Federal Building, Boston, MA 02203-2211

4. US DOT Class - FRIABLE ASBESTOS ONLY: RQ ASBESTOS, 9, NA 2212, PG III

5. Description of Materials: Specify Friable or Non-Friable
Containers No. / Type / Total Quantity
TRANSITE PIPE — 2 — [illegible] WRAPPED — 2

6. Special Handling Instructions: 24-hour emergency spill response no. 877-424-9300

7. Generator Certification:
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport by highway according to the applicable regulations of the Department of Transportation, US E.P.A., and any other state government agency. I certify that the foregoing is true and correct to the best of my knowledge. If the waste shipment is not as I stated, I accept the RETURN of the COMPLETE LOAD to the generator's service location at the generator's expense.
[illegible] AS MY AGENT FOR EPA
Printed/Typed Name & Title: RESIDENT ENGINEER
Signature: [signature]
Date: [illegible]

TRANSPORTER

8. Transporter 1 (Acknowledgement of Receipt of Materials) If blank, Transporter 2 serves as sole transporter.
Company Name & Address: Visco Co, Methuen MA 01844
Signature: [signature]
Printed Name: Supervisor
Title:
Telephone No.: [illegible]
Date: 1/3/03

9. Transporter 2 (Acknowledgement of Receipt of Materials)
Company Name & Address: Service Transport Group, Inc., P.O. Box 2132, Bristol, PA 19007
Ben Barube
Driver 12-5-03
Signature: [signature]
Printed Name: [illegible]
Title: Driver
Telephone No.: 877-999-9559
Date: 12-23-03

DISPOSAL SITE

10. Discrepancy Indication Space:

11. Waste Disposal/Recycling Site Owner or Operator's Certification (Receipt of above Waste Except as Noted in 10)
A & L Salvage, Inc., 11225 S.R. 46, P.O. Box 333, Lisbon, OH 44432, 330-424-3739, Permit #OH EPA 2003-2
Signature: [signature]
Printed Name:
Title:
Telephone No.: 330-[illegible]
Date: 12/23/03

WHITE-Disposal Site • GREEN-S.T.G. • YELLOW-Contractor • Pink-Generator • GOLD - Pick Up Receipt

APPENDIX J

TRANSITE PIPE SHIPPING RECORDS
(Phase I and II)

WASTE SHIPMENT RECORD

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GENERATOR

1. Work site (Generator): US EPA REGION 1
Name POWNAL TANNERY
Mailing Address 22 DEAN ST (Former Tannery)
City/State/Zip NORTH POWNAL, VT 05261

Owner's Name: US EPA REGION 1

Owner's telephone no.: 617-918-1374

2. Remover's name and address: MAXYMILLIAN TECHNOLOGIES, INC. 1801 EAST ST - PITTSFIELD MA 01201

Remover's telephone no.: 413-499-3050

3. Waste Disposal Site (WDS)
Name: WMNH-T.R.E.E.
Mailing Address: P.O. BOX 7065
City/State/Zip: ROCHESTER, NH 03839

WDS telephone no. 603/330.0217

Physical Site Location: 97 ROCHESTER NECK ROAD ROCHESTER, NH 03839

Additional Information:

Profile No. 0 5 7 0 4 0

4. Name and address of responsible agency
USEPA - REGION 1

5. Description of materials
RQ, ASBESTOS, 9, NA2212, III
RQ = 1 LB (ONE POUND)

6. Containers
No. 1 Type Roll-off

7. Total quantity m^3 (yd^3) APPROX 30 CY

8. Special handling instructions and additional information (provided by generator.)

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. NOTE: Generator must retain a copy of this form.

Printed/typed name & title: SUSAN BAKER, RESIDENT ENGINEER AS AGENT FOR EPA
Signature
Month Day Year: 9/28/04

10. Transporter 1 (Acknowledgment of receipt of materials)
Printed/typed name & title: MAXYMILLIAN TECHNOLOGIES
Signature: Laurence L Mason
Month Day Year: 9-30-04
Address and telephone no.: 1801 EAST ST - PITTSFIELD MA 01201

11. Transporter 2 (Acknowledgment of receipt of materials)
Printed/typed name & title
Signature
Month Day Year
Address and telephone no.

12. Discrepancy indication space

Rejected: Yes ☐ No ☐

13. Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.

Printed/typed name & title: C Capos
Signature
Month Day Year: 9 30 04

ORIGINAL RETURN TO GENERATOR

WASTE MANAGEMENT

90 ROCHESTER NECK RD, ROCHESTER, NH
PH: 603-330-2134 FAX 603-330-2138
M - F 8:00am- 3:30pm Sat 8 - 11:30

TICKET: 833781
DATE: 09/30/2004
TIME: 13:09 - 13:47

CUSTOMER: 816 / MAXYMILLAN TECHNOLOGIES
GENERATOR: A730 / POWNAL TANNERY, USEPA REGION 1
PROFILE #: 57040
TRUCK: 359 LICENSE:
ROUTE: NA / Non App MANIFEST:
COMMENT:
PROFILE DESCRIPTION: TRANSITE PIPE

P.O.:
GROSS: 44680 LBS
TARE: 32560 LBS
NET: 12120 LBS

WASTE	NET/TONS	UNIT
20 / SPW - SPECIAL WASTE / TON	6.06	T
FUELSUR / FUEL SURCHARGE		

6.06 Ton

IN: Christina Kapo OUT: ROSY BADIA B: NHROCH04PC

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE DRIVER: Larry Mason

8

SERVICE TRANSPORT GROUP, INC.

P.O. BOX 2132, BRISTOL, PA 19007 PHONE:(877) 999-9559

№ 101451

WASTE SHIPMENT RECORD

S.T.G. #

GENERATOR

1. Material Origin Site
Powhal Tannery Superfund Site
22 Dean Street
North Pownal VT

Generator: Name/Address
U.S. Environmental Protection Agency
1 Congress Street
Room 1100
Boston, MA 02114

Generator: Phone #
(617) 918-1111

2. Removal Contractor: Name/Address
Aulson Company
49 Danton Drive
Methuen, MA 01844
Contact: Jerry White

Contractor: Phone #
978-975-4500

3. Responsible Agency: Name/Address
U.S. EPA Region I
JFK Federal Building
Boston, MA 02203-2211

4. US DOT Class - FRIABLE ASBESTOS ONLY
RQ ASBESTOS, 9, NA 2212, PG III

5. Description of Materials
Specify Friable or Non-Friable

Materials	Containers No.	Type	Total Quantity
TRANSITE PIPE	2	POLY WRAPPED	2

6. Special Handling Instructions
24-hour emergency spill response no. 877-424-9300

7. Generator Certification:
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport by highway according to the applicable regulations of the Department of Transportation, US E.P.A., and any other state government agency. I certify that the foregoing is true and correct to the best of my knowledge. If the waste shipment is not as I stated, I accept the RETURN of the COMPLETE LOAD to the generator's service location at the generator's expense.

SURAJ S. BALGAR, AS AN AGENT FOR EPA

Printed/Typed Name & Title: RESIDENT ENGINEER
Signature:
Date: 11/03/03

TRANSPORTER

8. Transporter 1 (Acknowledgement of Receipt of Materials) *If blank, Transporter 2 serves as sole transporter.
Company Name & Address
Aulson Co
Methuen MA 01844
Signature:
Printed Name: WM Price
Title: Supervisor
Telephone No. Same
Date: 11-3-03

9. Transporter 2 (Acknowledgement of Receipt of Materials)
Company Name & Address
Service Transport Group, Inc.
P.O. Box 2132
Bristol, PA 19007
Signature:
Printed Name:
Title:
Telephone No. 877-999-9559
Date:

DISPOSAL SITE

10. Discrepancy Indication Space:

11. Waste Disposal/Recycling Site Owner or Operator's Certification
(Receipt of above Waste Excepting Notes in 10)

BFI Imperial Landfill
11 Boggs Road
Imperial, PA 15126
724-695-0900
Permit No. 100620

Signature:
Printed Name:
Title:
Telephone No. 724-695-0900
Date

WHITE-Disposal Site • GREEN-S.T.G. • YELLOW-Contractor • PINK-Generator • GOLD - Pick Up Receipt

SERVICE TRANSPORT GROUP, INC. A04-503

P.O. BOX 2132, BRISTOL, PA 19007 PHONE:(877) 999-9859

№ 101451 **WASTE SHIPMENT RECORD** S.T.G. # K9637

GENERATOR

1. Material Origin Site	Generator: Name/Address	Generator: Phone #
Hunted Dummy Spillway Site 22 Dairy St North Bennet VT	US Environmental Protection Agency [illegible] Street [illegible]	617 918 1111

2. Removal Contractor: Name/Address		Contractor: Phone #
Aulson Company 49 Danton Drive Methuen, MA 01844	Contact: Jerry White	978-975-4500

3. Responsible Agency: Name/Address	4. US DOT Class - FRIABLE ASBESTOS ONLY
U.S. EPA Region I JFK Federal Building Boston, MA 02203-2211	RQ ASBESTOS, 9, NA 2212, PG III

5. Description of Materials Specify Friable or Non-Friable	Containers No.	Type	Total Quantity
TRANSITE PIPE	2	[illegible]	2

6. Special Handling Instructions 24-hour emergency spill response no. 877-424-9300

7. Generator Certification:
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport by highway according to the applicable regulations of the Department of Transportation, US E.P.A., and any other state government agency. I certify that the foregoing is true and correct to the best of my knowledge. If the waste shipment is not as I stated, I accept the RETURN of the COMPLETE LOAD to the generator's service location at the generator's expense.

[illegible] AS AN AGENT FOR EPA

Printed/Typed Name & Title: RESIDENT ENGINEER Signature: [illegible] Date: [illegible]

TRANSPORTER

8. Transporter 1 (Acknowledgement of Receipt of Materials) If blank, Transporter 2 serves as sole transporter.

Company Name & Address		
Aulson Co Methuen MA 01844	Signature: [illegible] Printed Name: Supervisor Title:	Telephone No. Date: 1/3/03

9. Transporter 2 (Acknowledgement of Receipt of Materials)

Company Name & Address		
Service Transport Group, Inc. P.O. Box 2132 Bristol, PA 19007 Ben Barube Driver 12-5-03	Signature: [illegible] Printed Name: [illegible] Title: Driver	Telephone No. 877-999-9859 Date: 12-23-03

DISPOSAL SITE

10. Discrepancy Indication Space:

11. Waste Disposal/Recycling Site Owner or Operator's Certification (Receipt of above Waste Except as Noted in 10)

A & L Salvage, Inc. 11225 S.R. 46 P.O. Box 333 Lisbon, OH 44432 330-424-3739 Permit #OH EPA 2003-2	Signature: [illegible] Printed Name: Title:	Telephone No. 330-[illegible] Date 12/23/03

WHITE-Disposal Site • GREEN-S.T.G. • YELLOW-Contractor • PINK-Generator • GOLD - Pick Up Receipt

September 9, 2004

Ms. Leslie McVickar
Remedial Project Manager
USEPA Region I
1 Congress Street
Suite 1100 (HBT)
Boston, MA 02114-2023

Subject: Contract No. 68-W6-0042
Work Assignment No. 150-RARA-01N9
Pownal Tannery RA
Completion Item/Punchlist for Pre-Final Inspection

Dear Ms. McVickar:

Attached is the a list of completion and punchlist items for the Pownal Tannery Superfund Site RA as of the pre-final inspection performed on September 7, 2004. To prepare this list, an inspection was performed by Greg Mischel (TRC design and certifying engineer), Neil Thurber (M&E project engineer) and Juraj Bajgar (M&E resident engineer on September 3, 2004. The items were again checked during the Pre-Final inspection on September 7, 2004. Participants in this inspection were you, Brian Woods (VTDEC), Dale Weiss (TRC), Juraj Bagjar and me.

Note that there are three categories of items for completion. The first category includes items that are materially related to the functionality of the remedy. The Subcontractor is contractually obligated to complete these items by September 15, 2004. The second category includes items to be completed by September 30, 2004. These are items that do not materially affect the functionality of the remedy, but must be performed to complete the project. The third category includes minor punchlist items that must be addressed before project completion and final payment to the subcontractor. Note that contract line items that are not listed have been completed. The contractor is on schedule to complete items that materially impact the functionality of the remedy by September 15, 2004 and all other items by September 30, 2004.

Please call me if you have any questions.

Sincerely,

METCALF & EDDY

Donald M. Dwight, P.E.
Project Manager

cc: Diana King, EPA
C. Hagger, M&E
M. DeChiara, M&E
D. Weiss, TRC
WA# 150-RARA-01N9

710 Edgewater Drive
P.O. Box 4071
Wakefield, MA 01880-5381
Voice: (781) 224-6286 Fax: (781) 224-5986

Pownal Tannery Remedial Action
WA 150-RARA-01N9
List of Items for Completion
Pre-Final Inspection
September 7, 2004

	Status (% complete)	Anticipated Completion Date
Items to be completed by September 15, 2004		
(Contract line items not listed are 100% complete)		
1. CLIN 28 Landfill Cover Soil	99%	9/8/04
2. CLIN 31 Crushed Stone for Landfill Toe	95%	9/8/04
3. CLIN 32 Landfill Top Soil	60%	9/9/04
Items to be completed by September 30, 2004		
1. CLIN 10 Remove Excavation Support System	5%	9/17/04
2. CLIN 19 Backfill Lagoons (and lagoon 1 berm reconstruction)	90%	9/24/04
3. CLIN 20 Placement of topsoil in lagoons	0%	9/24/04
4. CLIN 21 Permanent Seeding (off-cap)	0%	9/24/04
5. CLIN 22 Perimeter Access Road / O&M Staging area	40%	9/24/04
6. CLIN 23 Riparian Buffer Zone	0%	9/24/04
7. CLIN 33 Permanent Seeding for the landfill cap	40%	9/9/04
8. CLIN 34 Erosion Control blanket for landfill cap	20%	9/10/04
9. CLIN 35 Boulder Perimeter	10%	9/15/04
10. CLIN 36 Access Gates	0%	9/10/04
11. CLIN 37 Groundwater Monitoring Wells	0%	9/17/04
12. CLIN 38 Gas Monitoring Probes	0%	9/17/04
13. CLIN 39 Remove and Dispose/Re-Install Temp Fence	0%	9/17/04
14. CLIN 40 Modify Lagoon 4 Berm	80%	9/10/04
15. CLIN 41 Site Restoration and Demobilization	20%	9/30/04
16. CLIN 42 Remove and dispose of transite pipe	50%	9/17/04
Punchlist items related to the above items		
1. Repair erosion on side slopes of landfill	0%	9/22/04
2. Remove debris from site	0%	9/30/04
3. Remove access road to northern berm cut	0%	9/22/04
4. Hydroseed work areas (other than topsoil areas)	0%	9/22/04
5. Fill detention pond	0%	9/22/04
6. Repair detention area for culvert No. 1	0%	9/22/04

September 21, 2004

Ms. Leslie McVickar
Remedial Project Manager
USEPA Region I
1 Congress Street
Suite 1100 (HBT)
Boston, MA 02114-2023

Subject: Contract No. 68-W6-0042
Work Assignment No. 150-RARA-01N9
Pownal Tannery RA
Completion Items/Punch list for Final Inspection

Dear Ms. McVickar:

Attached is a list of completion and punchlist items for the Pownal Tannery Superfund Site RA as of the final inspection performed on September 17, 2004. To prepare this list, an inspection was performed by Juraj Bajgar (M&E resident engineer) on September 16, 2004. The items were again checked during the Final inspection on September 17, 2004. Participants in this inspection were you, Brian Woods (VTDEC), George Desch, (VTDEC), Dale Weiss (TRC), Greg Mischel, (TRC design engineer), Gary Polumbo (Maxymillian Technologies), Juraj Bagjar and me.

Note that there are three categories of items for completion. The first category includes items that are materially related to the function of the remedy. These items were completed on September 8, 2004, one week ahead of the Subcontract date of September 15, 2004. The second category includes items to be completed by September 30, 2004. These are items that do not materially affect the function of the remedy, but must be performed to complete the project. The third category includes minor punchlist items that must be addressed before project completion and final payment to the subcontractor. Note that contract line items that are not listed have been completed. The contractor is on schedule to complete the project (i.e, all items listed) by September 30, 2004.

Please call me if you have any questions.

Sincerely,

METCALF & EDDY

Donald M. Dwight, P.E.
Project Manager

cc: Diana King, EPA
C. Hagger, M&E
M. DeChiara, M&E
D. Weiss, TRC
WA# 150-RARA-01N9

710 Edgewater Drive
P.O. Box 4071
Wakefield, MA 01880-5381
Voice: (781) 224-6286 Fax: (781) 224-5986

Pownal Tannery Remedial Action
WA 150-RARA-01N9
List of Items for Completion
EPA Final Inspection
September 17, 2004
Prepared by Metcalf & Eddy

	Status (% complete)	Anticipated Completion Date
Subcontract Items to be completed by September 15, 2004		
All Items related to the function of the remedy (i.e., lagoon sludge remediation and landfill cap)	100%	
Subcontract items to be completed by September 30, 2004		
1. CLIN 10 Remove Excavation Support System	99%	9/20/04
2. CLIN 19 Backfill Lagoons (and lagoon 1 berm reconstruction)	90%	9/24/04
3. CLIN 20 Placement of topsoil in lagoons	0%	9/24/04
4. CLIN 21 Permanent Seeding (off-cap)	15%	9/27/04
5. CLIN 22 Perimeter Access Road / O&M Staging area	40%	9/23/04
6. CLIN 23 Riparian Buffer Zone	0%	9/24/04
7. CLIN 35 Boulder Perimeter	95%	9/17/04
8. CLIN 36 Access Gates	0%	9/27/04
9. CLIN 37 Groundwater Monitoring Wells	0%	9/23/04
10. CLIN 38 Gas Monitoring Probes	0%	9/23/04
11. CLIN 39 Remove and Dispose/Re-Install Temp Fence	25%	9/23/04
12. CLIN 41 Site Restoration and Demobilization	20%	9/30/04
13. CLIN 42 Remove and dispose of transite pipe*	50%	9/28/04

* - Additional 250’ of unanticipated transite pipe encountered on 9/15/04, requiring removal

Punchlist items related to the above items		
1. Repair erosion on side slopes of landfill	0%	9/22/04
2. Remove debris from site	0%	9/30/04
3. Hydroseed work areas (other than topsoil areas)	15%	9/22/04
4. Install Gas Vents screens	90%	9/23/04
5. Install erosion controls (silt fence and haybales) In 4 locations	0%	9/23/04
6. Provide keys for the site gates	0%	9/30/04
7. Remove Scale at the trailer site	0%	9/27/04
8. Repair section of the access road/slope (by the gate damaged by vehicles	0%	9/23/04
9. Reinstall 3 posts on temporary fence previously removed for site access	0%	9/23/04

The undersigned have attended the Pownal Tannery Superfund Site final site inspection on September 17, 2004 and agree that the Remedial Action is substantially complete, with the items listed above to be executed for final project completion.

_____ _____

Leslie McVickar, EPA Region I Remedial Project Manager Date

_____ _____

Representative of the Vermont Department of Environmental Conservation Date

_____ _____

Greg Mischel, P.E., TRC Design Engineer VT P.E. License No. Date

Metcalf & Eddy

701 Edgewater Drive
Wakefield, MA 01880

Tel: 781-246-5200
Fax: 781-245-6293
www.m-e.com

September 22, 2004

Ms. Joan Lupa, President
N.L. Construction, Inc.
545 West Street
Ludlow, MA. 01056

Subject: **Substantial Completion, Subcontract # 3600100160,**
Phase II Remediation Services at the Pownal Tannery Superfund Site,
Pownal, VT., W/A# 150-RARA-01N9, EPA Contract # 68-W6-0042

Attachment: 1) Certificate of Substantial Completion
2) Punch List dated September 17, 2004

Dear Ms. Lupa:

This letter notifies your firm that M&E considers the site work at the Pownal Tannery site (Phase II), in accordance with Subcontract # 3600100160, to be substantially complete as of Wednesday, September 8, 2004. A certificate of substantial completion is attached.

In accordance with the Subcontract documents, the date considered for substantial completion is based on when the work can be utilized for the purposes for which it is intended. As such, the final grading of the landfill cap was completed on September 8, 2004, which was considered by M&E to meet the basis of substantial completion. Other items that remain for final completion are hereby considered punch list items not otherwise considered in determining substantial completion (refer to the list attached to the certificate of substantial completion). This punch list may be revised and reissued as items are addressed and new items may occur.

In addition, please have your staff confer with M&E's resident engineer for any other details regarding the punch list items. A site walk/final inspection was held at the site on Friday, September 17, 2004. Attendees included representatives from the EPA, VTDEC, M&E, TRC and Mr. Gary Polumbo of Maxymillian Technologies.

If you have any questions regarding this letter, please call the undersigned at (781) 224-6268.

Sincerely,

Michael A. DeChiara
Subcontract Manager

c.c. D. Dwight
N. Thurber
J. Bajgar
D. Weiss (TRC)
T. Pisanelli (Maxymillian Technologies)

CERTIFICATE OF SUBSTANTIAL COMPLETION

PROJECT Pownal Tannery Superfund Site, Pownal, VT

DATE OF ISSUANCE September 22, 2004

OWNER United States Environmental Protection Agency, Region I

OWNER REPRESENTATIVE Ms. Leslie McVickar, Remedial Project Manager

OWNER'S Contract No. (with ENGINEER) 68-W6-0042

SUBCONTRACTOR N.L. Construction

SUBCONTRACTOR'S REPRESENTATIVE Ms. Joan Lupa

ENGINEER Metcalf & Eddy, Inc.

ENGINEER'S REPRESENTATIVE Mr. Donald Dwight, P.E. M&E Project Manager

ENGINEER'S Subcontract No. (with SUBCONTRACTOR) 3600100160

This Certificate of Substantial Completion applies to all Work under the Contract Documents or to the following specified parts thereof:

Subcontract No. 3600100160 between SUBCONTRACTOR N.L. Construction
and ENGINEER Metcalf & Eddy, Inc.

the following Subcontract Line Items: ALL CLIN's excluding 10, 19-23, 35-39, 41, and 42

TO United States Environmental Protection Agency, Region I, Ms. Leslie McVickar

And To N.L. Construction, Ms. Joan Lupa
CONTRACTOR

The Work to which this certificate applies has been inspected by the ENGINEER (and also acting as an authorized representative of EPA) , and that the Work is hereby declared to be substantially complete in accordance with the Contract Documents on

Wednesday, September 8, 2004
DATE OF SUBSTANTIAL COMPLETION

Signed, ENGINEER REPRESENTATIVE

Date Signed 9/22/04

A tentative list of items to be completed or correct is attached hereto. This list may not be all-inclusive, and the failure to include an item in it does not alter the responsibility of SUBCONTRACTOR to complete all the Work in accordance with the Contract Documents. The items in the tentative list shall be completed or corrected by SUBCONTRACTOR on or before Thursday, September 30, 2004.

Pownal Tannery Remedial Action
List of Items for Completion by NL Construction /Maxymillian Technologies
Completion/Punch List Items as of
September 17, 2004 Inspection
Subcontract No. 3600100160

Prepared by Metcalf & Eddy

	Status (% complete)	Anticipated Completion Date
Subcontract items to be completed by September 30, 2004		
1. CLIN 10 Remove Excavation Support System	99%	9/20/04
2. CLIN 19 Backfill Lagoons (and lagoon 1 berm reconstruction)	90%	9/24/04
3. CLIN 20 Placement of topsoil in lagoons	0%	9/24/04
4. CLIN 21 Permanent Seeding (off-cap)	15%	9/27/04
5. CLIN 22 Perimeter Access Road / O&M Staging area	40%	9/23/04
6. CLIN 23 Riparian Buffer Zone	0%	9/24/04
7. CLIN 35 Boulder Perimeter	95%	9/17/04
8. CLIN 36 Access Gates	0%	9/27/04
9. CLIN 37 Groundwater Monitoring Wells	0%	9/23/04
10. CLIN 38 Gas Monitoring Probes	0%	9/23/04
11. CLIN 39 Remove and Dispose/Re-Install Temp Fence	25%	9/23/04
12. CLIN 41 Site Restoration and Demobilization	20%	9/30/04
13. CLIN 42 Remove and dispose of transite pipe	50%	9/28/04
Punch list items related to the above items		
1. Remove debris from site	0%	9/30/04
2. Hydroseed work areas for erosion control	15%	9/22/04
3. Install Gas Vents screens	90%	9/23/04
4. Install erosion controls (silt fence and hay bales) in 4 locations	0%	9/23/04
5. Provide keys for the site gates	0%	9/30/04
6. Remove weigh scale at the trailer locations	0%	9/27/04
7. Repair section of the access road/slope (by the gate damaged by vehicles)	0%	9/23/04
8. Reinstall 5 posts on temporary fence	0%	9/23/04
9. Remove excess material and grade the slope at MW-107 and MW- 107R as per plan sheet C-12.	20%	9/23/04
10. Install additional boulders at the northwest side of the landfill in the swale	0%	9/28/04
11. Install 6 inches of topsoil, seed and a erosion mat on the river side of the lagoon 1 berm.	0%	9/23/04
12. Remove the excess exposed geotextile around the site	0%	9/29/04
13. Remove the silt fence along the riprap around the landfill and the toe stone drain	0% 0%	9/29/04 9/29/04
14. Repair few remaining ruts caused by heavy equipment	90%	9/22/04
15. Re-grade the lagoon 2 area	0%	9/29/04
16. Provide padlocks and keys for the monitoring wells	0%	9/30/04

	and gas probes		
17.	Repair cracks in cover soil occurring after 9/17/04 inspection as a result of heavy rains received on 9/18/04	0%	9/24/04
18.	Check that remaining piece of sheet piling is cut off at least 6 feet below finished grade	0%	9/24/04

Memorandum

DRAFT

DATE: June 22, 2004

TO: Don Dwight

FROM: Diane Silverman, Ph.D.

Sean Czarniecki

SUBJECT: Supplemental Human Health Risk Assessment – Pownal Tannery Excavated Lagoon Cover and Berm Soils

In response to a request by EPA to determine whether excavated lagoon cover and berm soils containing levels of contaminants of concern (COCs) slightly in excess of risk-based preliminary remediation goals (PRGs) may be used as backfill in the lagoons, a site-specific supplemental risk assessment has been conducted.

As part of the Feasibility Study, risk-based PRGs were conservatively developed for the soil/sludge, based on a cancer risk of 10^{-6} and a noncancer hazard index of 1. Use of conservative assumptions in the development of PRGs accounts for the presence of multiple COCs and provides assurance that the risk remaining at a site after remediation does not exceed EPA's target risk range. Using conservative assumptions allows the PRGs to be universally applied in the field without the need for professional judgment and knowledge of risk assessment methods or applications (i.e., a simple comparison of field measured concentrations with PRGs is all that is needed to make decisions on the disposition of site materials). However, because of the conservative assumptions used to develop PRGs, cover and berm soils with concentrations of COCs slightly in excess of PRGs may not exceed EPA's target risk range and therefore, may be deemed as usable backfill. In order to determine whether the stockpiled cover and berm soils may safely remain on-site, this supplemental risk assessment has been conducted to determine whether future exposure to these cover and berm soils would result in an exceedance of the EPA target risk range. If the risk associated with future exposure to the cover and berm soils does not exceed the EPA target risk range despite exceeding the PRGs, a defensible case may be made to re-use the cover and berm soils as on-site backfill in the lagoons.

The selected remedy for the site included excavation of sludge from the lagoons. During the remedial design, it was anticipated that soils covering the sludge and the surrounding berm soils would be relatively clean material (e.g., contain COC levels below PRGs), and could be used as backfill in the lagoons once lagoon sludge is removed. Actual sampling and analysis results of the excavated cover and berm soils indicated levels of COCs slightly in excess of PRGs. Compounds noted as slightly exceeding PRGs include arsenic, benzo(a)pyrene, dioxins, arsenic, and chromium. Due to a lack of reliable chromium speciation data, the chromium PRG was based on the assumption that all chromium in soils exists as chromium VI, the most toxic species.

The supplemental risk assessment focused on potential future adult and young child exposures to soil at the lagoon areas, planned for recreational development. This scenario was selected since recreational use is the most likely future land use of the site. The supplemental risk assessment was performed using the same methods and assumptions as the baseline risk assessment. These methods

and assumptions are briefly summarized in the following text and tables. Additional details can be found in the Remedial Investigation Report (July 2002) for the site.

Fifteen composite soil samples were collected from three stockpiles and analyzed for VOCs, SVOCs, dioxins, and metals. Chromium speciation was also performed on six samples to determine the valence state(s) of chromium in soils, previously assumed to be chromium VI. By performing chromium speciation, the presence or absence of chromium VI is confirmed. Chromium VI detected results are evaluated as chromium VI, the more toxic form. Total chromium results are evaluated as chromium III. All samples were validated using EPA data validation guidelines.

The composite soil samples evaluated included SC-001 through SC-015 collected from three 5000 ton stockpiles. Samples SC-001 through SC-005, SC-006 thorough SC-010, and SC-011 through SC-015 represent sets of five 8-point composite soil samples taken from each of the three stockpiles. In addition, six supplemental samples were taken for analysis of chromium VI and total chromium to evaluate speciation (SC-016 through SC-021). The three stockpiles were evaluated separately to determine whether one or more of the stockpiles may be safely reused as backfill. Summary statistics for the three stockpiles are presented on Table 1. This table also presents the screening process used to select COPCs. In order to select COPCs, a comparison between the maximum detected site concentrations and a conservative screening toxicity value is made. The Region 9 residential soil PRGs have been used as screening toxicity values. Any contaminant whose maximum detected concentration exceeds the screening value is selected as a COPC and is further evaluated in the risk assessment. Soil contaminants selected as COPCs for this evaluation include: benzo(a)anthracene, benzo(a)pyrene, dioxins (expressed as a toxic equivalent concentration [TEQ]), arsenic, cadmium, manganese, and mercury. Because both chromium VI and total chromium (evaluated as chromium III) laboratory results were below Region 9 screening values, chromium was not selected as a COPC.

In order to evaluate the magnitude of human exposures, an exposure point concentration (EPC) must be estimated for each COPC in each stockpile. Since the Upper Confidence Limit (UCL) on the arithmetic mean is the most reliable estimate of exposure, UCLs have been calculated for each of the COPCs. UCLs were calculated using EPA's calculation software, ProUCL version 3.0. However, for small data sets with high variability, the UCL may exceed the maximum detected concentration. In these cases, the maximum detected concentration is used to evaluate the reasonable maximum exposure (RME) scenario and the arithmetic mean concentration is used for the central tendency (CT) exposure scenario. Table 2 summarizes the statistic (UCL, mean or maximum) selected as the EPC for each COPC.

To estimate the carcinogenic and noncarcinogenic risk associated with potential future soil exposures, both exposure and toxicity information is needed. To quantify the extent, frequency and duration of potential human exposures, exposure assumptions are selected for the receptors of interest. Since the concern is future recreational exposures, young child and adult recreational receptors have been selected for evaluation as the most conservative of the possible recreational receptors. A complete discussion of additional exposure pathways evaluated in the baseline risk assessment can be found in the RI report along with the rationale for the recreational exposure assumptions selected. However, Table 3 has been included to provide a summary of the exposure assumptions for the adult and child recreational receptors, respectively. The toxicity values used in this evaluation are the same as those used in the baseline risk assessment since no changes have occurred to the COPC toxicity values since 2002. Further information is provided in the RI report. However, Table 4 lists the oral reference doses used to evaluate noncarcinogenic risk and Table 5 lists the oral slope factors used to evaluate carcinogenic risk.

Risk estimation was performed by combining the toxicity and exposure information as described in the baseline risk assessment. Tables 6 and 7 summarize the carcinogenic risks and noncarcinogenic hazards associated with potential soil exposures for the adult and child RME and CT receptors, respectively. Individual receptor risks are within the EPA risk management cancer risk range of 10^{-6} to 10^{-4}, and below the noncarcinogenic target risk of 1.

Tables 8 through 10 provide the cumulative receptor risks for the adult and child combined for the three stockpiles. Cumulative risk estimates provide the basis for risk determination at a site. Cumulative receptor carcinogenic risks are also within the EPA risk management cancer risk range of 10^{-6} to 10^{-4}, and noncarcinogenic risks are below the target risk of 1. This supplemental risk evaluation demonstrates that potential human recreational exposures to stockpiled cover and berm soils excavated from the lagoon areas are not associated with risk above regulatory guidelines.

TABLE 1
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (N/C) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
SC-001 to SC-005	120-82-1	1,2,4-Trichlorobenzene	0.0163	0.0163	mg/Kg	SC-002	1 / 5	0.0094 - 0.0111	0.016	N/A	65 N	N/A	N/A	N	BSL
	95-50-1	1,2-Dichlorobenzene	0.0134	0.193	mg/Kg	SC-002	5 / 5	N/A	0.19	N/A	37 N	N/A	N/A	N	BSL
	106-46-7	1,4-Dichlorobenzene	0.0103	0.0412	mg/Kg	SC-002	4 / 5	0.0104	0.041	N/A	3.4 C	N/A	N/A	N	BSL
	108-90-7	Chlorobenzene	0.015	0.0167	mg/Kg	SC-005	3 / 5	0.0094 - 0.0104	0.017	N/A	15 N	N/A	N/A	N	BSL
	100-41-4	Ethylbenzene	0.0107	0.0109	mg/Kg	SC-004	2 / 5	0.0094 - 0.0129	0.011	N/A	8.9 C	N/A	N/A	N	BSL
	79-20-9	Methyl acetate	0.111	0.248	mg/Kg	SC-002	5 / 5	N/A	0.25	N/A	2200 N	N/A	N/A	N	BSL
	91-57-6	2-Methylnaphthalene	0.033	0.033	mg/Kg	SC-001	1 / 5	0.03 - 0.0319	0.033	N/A	5.6 N	N/A	N/A	N	BSL
	106-44-5	4-Methylphenol	0.0305 J	0.0697 J	mg/Kg	SC-003	4 / 5	0.15	0.070	N/A	31 N	N/A	N/A	N	BSL
	83-32-9	Acenaphthene	0.0578	0.108	mg/Kg	SC-002	4 / 5	0.0303	0.11	N/A	370 N	N/A	N/A	N	BSL
	208-96-8	Acenaphthylene	0.0432	0.0834	mg/Kg	SC-001	5 / 5	N/A	0.083	N/A	5.6 N	N/A	N/A	N	BSL
	120-12-7	Anthracene	0.0705	0.368	mg/Kg	SC-001	5 / 5	N/A	0.37	N/A	2200 N	N/A	N/A	N	BSL
	56-55-3	Benzo (a) anthracene	0.187	0.741	mg/Kg	SC-001	5 / 5	N/A	0.74	N/A	0.62 C	N/A	N/A	Y	ASL
	50-32-8	Benzo (a) pyrene	0.166	0.607	mg/Kg	SC-001	5 / 5	N/A	0.61	N/A	0.062 C	N/A	N/A	Y	ASL
	205-99-2	Benzo (b) fluoranthene	0.142	0.608	mg/Kg	SC-002	5 / 5	N/A	0.61	N/A	0.62 C	N/A	N/A	N	BSL
	191-24-2	Benzo (g,h,i) perylene	0.0913	0.31	mg/Kg	SC-001	5 / 5	N/A	0.31	N/A	5.6 N	N/A	N/A	N	BSL
	207-08-9	Benzo (k) fluoranthene	0.155	0.564	mg/Kg	SC-001	5 / 5	N/A	0.56	N/A	6.2 C	N/A	N/A	N	BSL
	86-74-8	Carbazole	0.033 J	0.141 J	mg/Kg	SC-002	5 / 5	N/A	0.14	N/A	24 C	N/A	N/A	N	BSL
	218-01-9	Chrysene	0.174	0.644	mg/Kg	SC-001	5 / 5	N/A	0.64	N/A	62 C	N/A	N/A	N	BSL
	53-70-3	Dibenz (a,h) anthracene	0.0355	0.0355	mg/Kg	SC-001	1 / 5	0.03 - 0.0319	0.036	N/A	0.062 C	N/A	N/A	N	BSL
	132-64-9	Dibenzofuran	0.032 J	0.0654 J	mg/Kg	SC-002	4 / 5	0.15	0.065	N/A	29 N	N/A	N/A	N	BSL
	206-44-0	Fluoranthene	0.402	1.66	mg/Kg	SC-001	5 / 5	N/A	1.7	N/A	230 N	N/A	N/A	N	BSL
	86-73-7	Fluorene	0.0321	0.122	mg/Kg	SC-001	5 / 5	N/A	0.12	N/A	270 N	N/A	N/A	N	BSL
	193-39-5	Indeno (1,2,3-cd) pyrene	0.0913	0.303	mg/Kg	SC-001	5 / 5	N/A	0.30	N/A	0.62 C	N/A	N/A	N	BSL
	85-01-8	Phenanthrene	0.222	1.04	mg/Kg	SC-001	5 / 5	N/A	1.0	N/A	5.6 N	N/A	N/A	N	BSL
	129-00-0	Pyrene	0.345	1.24	mg/Kg	SC-002	5 / 5	N/A	1.2	N/A	230 N	N/A	N/A	N	BSL
	1746-01-6	Dioxin TEQ	0.000095	0.000136	mg/Kg	SC-003	5 / 5	N/A	0.00014	N/A	3.9E-06 C	N/A	N/A	Y	ASL
	7429-90-5	Aluminum	6400	10000	mg/Kg	SC-001	5 / 5	N/A	10000	N/A	N/A	N/A	N/A	N	NTX
	7440-36-0	Antimony	0.56 J	1.1 J	mg/Kg	SC-004	5 / 5	N/A	1.1	N/A	3.1 N	N/A	N/A	N	BSL
	7440-38-2	Arsenic	4.3	8.8	mg/Kg	SC-005	5 / 5	N/A	8.8	N/A	0.39 C	N/A	N/A	Y	ASL
	7440-39-3	Barium	65	98	mg/Kg	SC-001	5 / 5	N/A	98	N/A	540 N	N/A	N/A	N	BSL
	7440-41-7	Beryllium	0.22	0.32	mg/Kg	SC-002	5 / 5	N/A	0.32	N/A	15 N	N/A	N/A	N	BSL
	7440-43-9	Cadmium	3.2	5.4	mg/Kg	SC-002	5 / 5	N/A	5.4	N/A	3.7 N	N/A	N/A	Y	ASL
	7440-70-2	Calcium	12000	23000	mg/Kg	SC-002	5 / 5	N/A	23000	N/A	N/A	N/A	N/A	N	NUT
	7440-47-3	Chromium	1300	2800	mg/Kg	SC-002	5 / 5	N/A	2800	N/A	10000 N	N/A	N/A	N	BSL
	7440-48-4	Cobalt	7	11	mg/Kg	SC-002	5 / 5	N/A	11	N/A	N/A	N/A	N/A	N	NTX
	7440-50-8	Copper	28	46	mg/Kg	SC-002	5 / 5	N/A	46	N/A	N/A	N/A	N/A	N	NTX
	7439-89-6	Iron	19000	27000	mg/Kg	SC-001	5 / 5	N/A	27000	N/A	N/A	N/A	N/A	N	NUT
	7439-92-1	Lead	100	150	mg/Kg	SC-002	5 / 5	N/A	150	N/A	N/A	N/A	N/A	N	BSL
	7439-95-4	Magnesium	3900	9000	mg/Kg	SC-005	5 / 5	N/A	9000	N/A	N/A	N/A	N/A	N	NUT

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Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (N/C) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
	7439-96-5	Manganese	580 J	1600 J	mg/Kg	SC-005	5 / 5	N/A	1600	N/A	180 N	N/A	N/A	Y	ASL
	7439-97-6	Mercury	0.84	1.6	mg/Kg	SC-003	5 / 5	N/A	1.6	N/A	0.61 N	N/A	N/A	Y	ASL
	7440-02-0	Nickel	14	23	mg/Kg	SC-002	5 / 5	N/A	23	N/A	160 N	N/A	N/A	N	BSL
	7440-09-7	Potassium	480	670	mg/Kg	SC-001	5 / 5	N/A	670	N/A	N/A	N/A	N/A	N	NUT
	7782-49-2	Selenium	0.17	0.24	mg/Kg	SC-005	5 / 5	N/A	0.24	N/A	39 N	N/A	N/A	N	BSL
	7440-22-4	Silver	0.28	0.51	mg/Kg	SC-001	5 / 5	N/A	0.51	N/A	39 N	N/A	N/A	N	BSL
	7440-62-2	Vanadium	7.9	12	mg/Kg	SC-001	5 / 5	N/A	12	N/A	55 N	N/A	N/A	N	BSL
	7440-66-6	Zinc	100	150	mg/Kg	SC-002	5 / 5	N/A	150	N/A	2300 N	N/A	N/A	N	BSL
SC-006 to SC-010	79-20-9	Methyl acetate	0.0647 J	0.177	mg/Kg	SC-009	5 / 5	N/A	0.18	N/A	2200 N	N/A	N/A	N	BSL
	91-57-6	2-Methylnaphthalene	0.02765 J	0.02765 J	mg/Kg	SC-006	1 / 5	0.0304 - 0.0315	0.028	N/A	5.6 N	N/A	N/A	N	BSL
	83-32-9	Acenaphthene	0.0366 J	0.041 J	mg/Kg	SC-009	2 / 5	0.0308 - 0.0315	0.041	N/A	370 N	N/A	N/A	N	BSL
	208-96-8	Acenaphthylene	0.0363	0.05185	mg/Kg	SC-006	5 / 5	N/A	0.052	N/A	5.6 N	N/A	N/A	N	BSL
	120-12-7	Anthracene	0.032 J	0.153 J	mg/Kg	SC-009	5 / 5	N/A	0.15	N/A	2200 N	N/A	N/A	N	BSL
	56-55-3	Benzo (a) anthracene	0.0964	0.416 J	mg/Kg	SC-009	5 / 5	N/A	0.42	N/A	0.62 C	N/A	N/A	N	BSL
	50-32-8	Benzo (a) pyrene	0.0856	0.355 J	mg/Kg	SC-009	5 / 5	N/A	0.36	N/A	0.062 C	N/A	N/A	Y	ASL
	205-99-2	Benzo (b) fluoranthene	0.0783 J	0.333 J	mg/Kg	SC-009	5 / 5	N/A	0.33	N/A	0.62 C	N/A	N/A	N	BSL
	191-24-2	Benzo (g,h,i) perylene	0.0434	0.167 J	mg/Kg	SC-009	5 / 5	N/A	0.17	N/A	5.6 N	N/A	N/A	N	BSL
	207-08-9	Benzo (k) fluoranthene	0.0687	0.282	mg/Kg	SC-008	5 / 5	N/A	0.28	N/A	6.2 C	N/A	N/A	N	BSL
	86-74-8	Carbazole	0.0328 J	0.0574 J	mg/Kg	SC-006	2 / 5	0.15 - 0.16	0.057	N/A	24 C	N/A	N/A	N	BSL
	218-01-9	Chrysene	0.0912	0.348 J	mg/Kg	SC-009	5 / 5	N/A	0.35	N/A	62 C	N/A	N/A	N	BSL
	132-64-9	Dibenzofuran	0.0459 J	0.0459 J	mg/Kg	SC-006	1 / 5	0.15 - 0.16	0.046	N/A	29 N	N/A	N/A	N	BSL
	206-44-0	Fluoranthene	0.158 J	0.777 J	mg/Kg	SC-009	5 / 5	N/A	0.78	N/A	230 N	N/A	N/A	N	BSL
	86-73-7	Fluorene	0.04635 J	0.0514 J	mg/Kg	SC-009	2 / 5	0.0308 - 0.0315	0.051	N/A	270 N	N/A	N/A	N	BSL
	193-39-5	Indeno (1,2,3-cd) pyrene	0.0431	0.161 J	mg/Kg	SC-009	5 / 5	N/A	0.16	N/A	0.62 C	N/A	N/A	N	BSL
	85-01-8	Phenanthrene	0.0755 J	0.45 J	mg/Kg	SC-009	5 / 5	N/A	0.45	N/A	5.6 N	N/A	N/A	N	BSL
	129-00-0	Pyrene	0.167	0.757 J	mg/Kg	SC-009	5 / 5	N/A	0.76	N/A	230 N	N/A	N/A	N	BSL
	1746-01-6	Dioxin TEQ	0.000012	0.000093	mg/Kg	SC-006	5 / 5	N/A	0.000093	N/A	3.9E-06 C	N/A	N/A	Y	ASL
	7429-90-5	Aluminum	9500	10500	mg/Kg	SC-006	5 / 5	N/A	10500	N/A	N/A	N/A	N/A	N	NTX
	7440-36-0	Antimony	0.56 J	0.63 J	mg/Kg	SC-008	5 / 5	N/A	0.63	N/A	3.1 N	N/A	N/A	N	BSL
	7440-38-2	Arsenic	3.95	4.6	mg/Kg	SC-010	5 / 5	N/A	4.6	N/A	0.39 C	N/A	N/A	Y	ASL
	7440-39-3	Barium	44	59.5	mg/Kg	SC-006	5 / 5	N/A	60	N/A	540 N	N/A	N/A	N	BSL
	7440-41-7	Beryllium	0.27	0.315	mg/Kg	SC-006	5 / 5	N/A	0.32	N/A	15 N	N/A	N/A	N	BSL
	7440-43-9	Cadmium	0.69	4.8	mg/Kg	SC-006	5 / 5	N/A	4.8	N/A	3.7 N	N/A	N/A	Y	ASL
	7440-70-2	Calcium	3600	19000	mg/Kg	SC-006	5 / 5	N/A	19000	N/A	N/A	N/A	N/A	N	NUT
	7440-47-3	Chromium	180	1750	mg/Kg	SC-006	5 / 5	N/A	1750	N/A	10000 N	N/A	N/A	N	BSL
	7440-48-4	Cobalt	8.6	12	mg/Kg	SC-010	5 / 5	N/A	12	N/A	N/A	N/A	N/A	N	NTX
	7440-50-8	Copper	18	22.5	mg/Kg	SC-006	5 / 5	N/A	23	N/A	N/A	N/A	N/A	N	NTX
	7439-89-6	Iron	21000	36000	mg/Kg	SC-007	5 / 5	N/A	36000	N/A	N/A	N/A	N/A	N	NUT

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POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
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Exposure Medium: Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (N/C) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
	7439-92-1	Lead	22	82.5	mg/Kg	SC-006	5 / 5	N/A	83	N/A	N/A	N/A	N/A	N	BSL
	7439-95-4	Magnesium	4500	5300	mg/Kg	SC-010	5 / 5	N/A	5300	N/A	N/A	N/A	N/A	N	NUT
	7439-96-5	Manganese	550 J	730 J	mg/Kg	SC-006	5 / 5	N/A	730	N/A	180 N	N/A	N/A	Y	ASL
	7439-97-6	Mercury	0.35	1.75 J	mg/Kg	SC-006	5 / 5	N/A	1.8	N/A	0.61 N	N/A	N/A	Y	ASL
	7440-02-0	Nickel	16	20	mg/Kg	SC-006	5 / 5	N/A	20	N/A	160 N	N/A	N/A	N	BSL
	7440-09-7	Potassium	660	730	mg/Kg	SC-010	5 / 5	N/A	730	N/A	N/A	N/A	N/A	N	NUT
	7782-49-2	Selenium	0.24	0.425	mg/Kg	SC-006	5 / 5	N/A	0.43	N/A	39 N	N/A	N/A	N	BSL
	7440-22-4	Silver	0.11	0.145	mg/Kg	SC-006	5 / 5	N/A	0.15	N/A	39 N	N/A	N/A	N	BSL
	7440-62-2	Vanadium	8.5	10	mg/Kg	SC-006	5 / 5	N/A	10	N/A	55 N	N/A	N/A	N	BSL
	7440-66-6	Zinc	77	100	mg/Kg	SC-006	5 / 5	N/A	100	N/A	2300 N	N/A	N/A	N	BSL
SC-011 to SC-015	83-32-9	Acenaphthene	0.0796	0.128	mg/Kg	SC-013	2 / 5	0.029 - 0.058	0.13	N/A	370 N	N/A	N/A	N	BSL
	208-96-8	Acenaphthylene	0.0589	0.0589	mg/Kg	SC-015	1 / 5	0.057 - 0.058	0.059	N/A	5.6 N	N/A	N/A	N	BSL
	120-12-7	Anthracene	0.0757	0.264	mg/Kg	SC-013	4 / 5	0.057	0.26	N/A	2200 N	N/A	N/A	N	BSL
	56-55-3	Benzo (a) anthracene	0.14	0.543	mg/Kg	SC-012	5 / 5	N/A	0.54	N/A	0.62 C	N/A	N/A	N	BSL
	50-32-8	Benzo (a) pyrene	0.124	0.547	mg/Kg	SC-012	5 / 5	N/A	0.55	N/A	0.062 C	N/A	N/A	Y	ASL
	205-99-2	Benzo (b) fluoranthene	0.0844	0.442	mg/Kg	SC-012	5 / 5	N/A	0.44	N/A	0.62 C	N/A	N/A	N	BSL
	191-24-2	Benzo (g,h,i) perylene	0.0629	0.261	mg/Kg	SC-012	5 / 5	N/A	0.26	N/A	5.6 N	N/A	N/A	N	BSL
	207-08-9	Benzo (k) fluoranthene	0.102	0.461	mg/Kg	SC-012	5 / 5	N/A	0.46	N/A	6.2 C	N/A	N/A	N	BSL
	86-74-8	Carbazole	0.0987 J	0.119 J	mg/Kg	SC-013	2 / 5	0.14	0.12	N/A	24 C	N/A	N/A	N	BSL
	218-01-9	Chrysene	0.148	0.546	mg/Kg	SC-012	5 / 5	N/A	0.55	N/A	62 C	N/A	N/A	N	BSL
	132-64-9	Dibenzofuran	0.0623 J	0.0623 J	mg/Kg	SC-013	1 / 5	0.14	0.062	N/A	29 N	N/A	N/A	N	BSL
	206-44-0	Fluoranthene	0.286	1.35	mg/Kg	SC-013	5 / 5	N/A	1.4	N/A	230 N	N/A	N/A	N	BSL
	86-73-7	Fluorene	0.0936	0.121	mg/Kg	SC-013	2 / 5	0.029 - 0.058	0.12	N/A	270 N	N/A	N/A	N	BSL
	193-39-5	Indeno (1,2,3-cd) pyrene	0.058	0.268	mg/Kg	SC-012	5 / 5	N/A	0.27	N/A	0.62 C	N/A	N/A	N	BSL
	85-01-8	Phenanthrene	0.167	0.836	mg/Kg	SC-013	5 / 5	N/A	0.84	N/A	5.6 N	N/A	N/A	N	BSL
	129-00-0	Pyrene	0.189	0.823	mg/Kg	SC-013	5 / 5	N/A	0.82	N/A	230 N	N/A	N/A	N	BSL
	1746-01-6	Dioxin TEQ	0.000035	0.000106	mg/Kg	SC-015	5 / 5	N/A	0.00011	N/A	3.9E-06 C	N/A	N/A	Y	ASL
	7429-90-5	Aluminum	9300	12000	mg/Kg	SC-014	5 / 5	N/A	12000	N/A	N/A	N/A	N/A	N	NTX
	7440-36-0	Antimony	0.24 J	0.7 J	mg/Kg	SC-012	4 / 5	0.24	0.70	N/A	3.1 N	N/A	N/A	N	BSL
	7440-38-2	Arsenic	4.4	5.4	mg/Kg	SC-014	5 / 5	N/A	5.4	N/A	0.39 C	N/A	N/A	Y	ASL
	7440-39-3	Barium	54	73	mg/Kg	SC-013	5 / 5	N/A	73	N/A	540 N	N/A	N/A	N	BSL
	7440-41-7	Beryllium	0.29	0.35	mg/Kg	SC-014	5 / 5	N/A	0.35	N/A	15 N	N/A	N/A	N	BSL
	7440-43-9	Cadmium	0.67	2.8	mg/Kg	SC-013	5 / 5	N/A	2.8	N/A	3.7 N	N/A	N/A	N	BSL
	7440-70-2	Calcium	5400	14000	mg/Kg	SC-013	5 / 5	N/A	14000	N/A	N/A	N/A	N/A	N	NUT
	7440-47-3	Chromium	250	2500	mg/Kg	SC-013	5 / 5	N/A	2500	N/A	10000 N	N/A	N/A	N	BSL
	7440-48-4	Cobalt	9	11	mg/Kg	SC-014	5 / 5	N/A	11	N/A	N/A	N/A	N/A	N	NTX
	7440-50-8	Copper	24	27	mg/Kg	SC-012	5 / 5	N/A	27	N/A	N/A	N/A	N/A	N	NTX
	7439-89-6	Iron	21000	25000	mg/Kg	SC-014	5 / 5	N/A	25000	N/A	N/A	N/A	N/A	N	NUT
	7439-92-1	Lead	26	100	mg/Kg	SC-014	5 / 5	N/A	100	N/A	N/A	N/A	N/A	N	BSL

TABLE 1
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (N/C) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
	7439-95-4	Magnesium	5200	6500	mg/Kg	SC-014	5 / 5	N/A	6500	N/A	N/A	N/A	N/A	N	NUT
	7439-96-5	Manganese	560 J	700 J	mg/Kg	SC-013	5 / 5	N/A	700	N/A	180 N	N/A	N/A	Y	ASL
	7439-97-6	Mercury	0.25	0.97	mg/Kg	SC-014	5 / 5	N/A	0.97	N/A	0.61 N	N/A	N/A	Y	ASL
	7440-02-0	Nickel	17	20	mg/Kg	SC-012	5 / 5	N/A	20	N/A	160 N	N/A	N/A	N	BSL
	7440-09-7	Potassium	620	790	mg/Kg	SC-014	5 / 5	N/A	790	N/A	N/A	N/A	N/A	N	NUT
	7782-49-2	Selenium	0.13	0.32	mg/Kg	SC-012	5 / 5	N/A	0.32	N/A	39 N	N/A	N/A	N	BSL
	7440-22-4	Silver	0.095	0.16	mg/Kg	SC-015	5 / 5	N/A	0.16	N/A	39 N	N/A	N/A	N	BSL
	7440-28-0	Thallium	0.22	0.22	mg/Kg	SC-015	1 / 5	0.19 - 0.22	0.22	N/A	0.52 N	N/A	N/A	N	BSL
	7440-62-2	Vanadium	9.6	23	mg/Kg	SC-012	5 / 5	N/A	23	N/A	55 N	N/A	N/A	N	BSL
	7440-66-6	Zinc	79	100	mg/Kg	SC-011	5 / 5	N/A	100	N/A	2300 N	N/A	N/A	N	BSL
SC-016 to SC-021	7440-47-3	Chromium	579	2300	mg/Kg	SC-017	6 / 6	N/A	2300	N/A	10000 N	N/A	N/A	N	BSL
	7440-47-3	Chromium VI	0.719	3.24	mg/Kg	SC-021	6 / 6	N/A	3.2	N/A	30 C	N/A	N/A	N	BSL

(1) Minimum/maximum detected concentration.
(2) Maximum concentration used for screening.
(3) Refer to supporting information for background discussion.
(4) USEPA Region 9 PRGs for residential soil (adjusted to an hazard quotient = 0.1 for noncarcinogens), October 1, 2002.
PRG for chromium III used for chromium.
PRG for methylmercury used for mercury.
The most conservative PRG for all noncarcinogenic PAHs has been used for 2-methylnaphthalene, acenaphthylene, benzo(g,h,i)perylene and phenanthrene.
PRG for 2-chloroacetophenone has been used for acetophenone.
(5) Rationale Codes:
Selection Reason: Above Screening Levels (ASL)
No Screening Level (NSL)
Deletion Reason: No Toxicity Information (NTX)
Essential Nutrient (NUT)
Frequency of Detection (FOD)
Below Screening Level (BSL)

Definitions:
COPC = Chemical of Potential Concern
ARAR/TBC = Applicable or Relevant and Appropriate Requirement/To Be Considered
PRG = Preliminary Remedial Goal
N/A = Not Applicable or Not Available
J = Estimated Value
C = Carcinogenic
N = Non-Carcinogenic
SSL = Soil Screening Level

TABLE 2.RME

EXPOSURE POINT CONCENTRATION SUMMARY

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future

Medium: Soil

Exposure Medium: Soil

Exposure Point (1)	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution) (2)	Maximum Concentration (Qualifier)	Exposure Point Concentration			
						Value	Units	Statistic (3)	Rationale (4)
SC-001 to SC-005									
	Benzo (a) anthracene	mg/kg	4.6E-01	6.8E-01 (N)	7.4E-01	6.8E-01	mg/kg	95% UCL - N	(d)
	Benzo (a) pyrene	mg/kg	3.9E-01	5.7E-01 (N)	6.1E-01	5.7E-01	mg/kg	95% UCL - N	(d)
	Dioxin TEQ	mg/kg	1.1E-04	1.3E-04 (N)	1.4E-04	1.3E-04	mg/kg	95% UCL - N	(d)
	Arsenic	mg/kg	5.6E+00	7.4E+00 (N)	8.8E+00	7.4E+00	mg/kg	95% UCL - N	(d)
	Cadmium	mg/kg	4.2E+00	5.0E+00 (N)	5.4E+00	5.0E+00	mg/kg	95% UCL - N	(d)
	Manganese	mg/kg	8.3E+02	1.4E+03 (G)	1.6E+03 J	1.4E+03	mg/kg	95% UCL - G	(h)
	Mercury	mg/kg	1.3E+00	1.6E+00 (N)	1.6E+00	1.6E+00	mg/kg	95% UCL - N	(d)
SC-006 to SC-010									
	Benzo (a) pyrene	mg/kg	2.0E-01	3.1E-01 (N)	3.6E-01 J	3.1E-01	mg/kg	95% UCL - N	(d)
	Dioxin TEQ	mg/kg	4.2E-05	7.9E-05 (N)	9.3E-05	7.9E-05	mg/kg	95% UCL - N	(d)
	Arsenic	mg/kg	4.2E+00	4.5E+00 (N)	4.6E+00	4.5E+00	mg/kg	95% UCL - N	(d)
	Cadmium	mg/kg	2.6E+00	4.4E+00 (N)	4.8E+00	4.4E+00	mg/kg	95% UCL - N	(d)
	Manganese	mg/kg	6.3E+02	7.1E+02 (N)	7.3E+02 J	7.1E+02	mg/kg	95% UCL - N	(d)
	Mercury	mg/kg	1.0E+00	1.6E+00 (N)	1.8E+00 J	1.6E+00	mg/kg	95% UCL - N	(d)

TABLE 2.RME

EXPOSURE POINT CONCENTRATION SUMMARY

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future

Medium: Soil

Exposure Medium: Soil

Exposure Point (1)	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution) (2)	Maximum Concentration (Qualifier)	Exposure Point Concentration			
						Value	Units	Statistic (3)	Rationale (4)
SC-011 to SC-015									
	Benzo (a) pyrene	mg/kg	3.2E-01	5.0E-01 (N)	5.5E-01	5.0E-01	mg/kg	95% UCL - N	(d)
	Dioxin TEQ	mg/kg	7.4E-05	9.9E-05 (N)	1.1E-04	9.9E-05	mg/kg	95% UCL - N	(d)
	Arsenic	mg/kg	4.9E+00	5.4E+00 (N)	5.4E+00	5.4E+00	mg/kg	95% UCL - N	(d)
	Manganese	mg/kg	6.4E+02	6.9E+02 (N)	7.0E+02 J	6.9E+02	mg/kg	95% UCL - N	(d)
	Mercury	mg/kg	7.2E-01	1.0E+00 (N)	9.7E-01	9.7E-01	mg/kg	Max	(g)

(1) Only COPCs selected on Table 1 and detected at each exposure point appear.

(2) T - Transformed; N - Normal; NP - Non-parametric; G - Gamma; <4 - sample size too small to calculate 95% UCL

(3) Statistics: Maximum Detected Value (Max); 95% UCL of Transformed Data (95% UCL - T); 95% UCL of Normal Data (95% UCL - N); 95% UCL of Non-parametric Data (95% UCL - NP); 95% UCL of Gamma Distributed Data (95% UCL - G); Arithmetic Mean (Mean)

(4) Rationale:

(a) Due to small sample size (<4), the maximum detected concentration is used.
(b) When the maximum detected concentration is selected as the RME EPC, the arithmetic mean concentration is selected as the CT EPC.
(c) If the arithmetic mean concentration equals or exceeds the maximum detected concentration, the maximum detected concentration is used as the CT EPC.
(d) Shapiro-Wilk W Test or Lilliefors Test indicates data are normally distributed.
(e) Shapiro-Wilk W Test or Lilliefors Test indicates data are log-normally distributed.
(f) Shapiro-Wilk W Test or Lilliefors Test indicates data are neither normally nor log-normally distributed.
(g) 95% UCL exceeds maximum detected concentration. Therefore, maximum concentration used for EPC
(h) A-D Test and/or K-S Test indicates data are gamma distributed.

J = Estimated Concentration
Max = Maximum Detected Concentration
N/A = Not Applicable
UCL = Upper Confidence Limit
EPC = Exposure Point Concentration
RME = Reasonable Maximum Exposure
CT = Central Tendency

TABLE 2.CT

EXPOSURE POINT CONCENTRATION SUMMARY

CENTRAL TENDENCY EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future

Medium: Soil

Exposure Medium: Soil

Exposure Point (1)	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution) (2)	Maximum Concentration (Qualifier)	Exposure Point Concentration			
						Value	Units	Statistic (3)	Rationale (4)
SC-001 to SC-005									
	Benzo (a) anthracene	mg/kg	4.6E-01	6.8E-01 (N)	7.4E-01	6.8E-01	mg/kg	95% UCL - N	(d)
	Benzo (a) pyrene	mg/kg	3.9E-01	5.7E-01 (N)	6.1E-01	5.7E-01	mg/kg	95% UCL - N	(d)
	Dioxin TEQ	mg/kg	1.1E-04	1.3E-04 (N)	1.4E-04	1.3E-04	mg/kg	95% UCL - N	(d)
	Arsenic	mg/kg	5.6E+00	7.4E+00 (N)	8.8E+00	7.4E+00	mg/kg	95% UCL - N	(d)
	Cadmium	mg/kg	4.2E+00	5.0E+00 (N)	5.4E+00	5.0E+00	mg/kg	95% UCL - N	(d)
	Manganese	mg/kg	8.3E+02	1.4E+03 (G)	1.6E+03 J	1.4E+03	mg/kg	95% UCL - G	(h)
	Mercury	mg/kg	1.3E+00	1.6E+00 (N)	1.6E+00	1.6E+00	mg/kg	95% UCL - N	(d)
SC-006 to SC-010									
	Benzo (a) pyrene	mg/kg	2.0E-01	3.1E-01 (N)	3.6E-01 J	3.1E-01	mg/kg	95% UCL - N	(d)
	Dioxin TEQ	mg/kg	4.2E-05	7.9E-05 (N)	9.3E-05	7.9E-05	mg/kg	95% UCL - N	(d)
	Arsenic	mg/kg	4.2E+00	4.5E+00 (N)	4.6E+00	4.5E+00	mg/kg	95% UCL - N	(d)
	Cadmium	mg/kg	2.6E+00	4.4E+00 (N)	4.8E+00	4.4E+00	mg/kg	95% UCL - N	(d)
	Manganese	mg/kg	6.3E+02	7.1E+02 (N)	7.3E+02 J	7.1E+02	mg/kg	95% UCL - N	(d)
	Mercury	mg/kg	1.0E+00	1.6E+00 (N)	1.8E+00 J	1.6E+00	mg/kg	95% UCL - N	(d)

TABLE 2.CT

EXPOSURE POINT CONCENTRATION SUMMARY

CENTRAL TENDENCY EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future

Medium: Soil

Exposure Medium: Soil

Exposure Point (1)	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution) (2)	Maximum Concentration (Qualifier)	Exposure Point Concentration			
						Value	Units	Statistic (3)	Rationale (4)
SC-011 to SC-015									
	Benzo (a) pyrene	mg/kg	3.2E-01	5.0E-01 (N)	5.5E-01	5.0E-01	mg/kg	95% UCL - N	(d)
	Dioxin TEQ	mg/kg	7.4E-05	9.9E-05 (N)	1.1E-04	9.9E-05	mg/kg	95% UCL - N	(d)
	Arsenic	mg/kg	4.9E+00	5.4E+00 (N)	5.4E+00	5.4E+00	mg/kg	95% UCL - N	(d)
	Manganese	mg/kg	6.4E+02	6.9E+02 (N)	7.0E+02 J	6.9E+02	mg/kg	95% UCL - N	(d)
	Mercury	mg/kg	7.2E-01	1.0E+00 (N)	9.7E-01	7.2E-01	mg/kg	Mean	(b)

(1) Only COPCs selected on Table 1 and detected at each exposure point appear.

(2) T - Transformed; N - Normal; NP - Non-parametric; G - Gamma; <4 - sample size too small to calculate 95% UCL

(3) Statistics: Maximum Detected Value (Max); 95% UCL of Transformed Data (95% UCL - T); 95% UCL of Normal Data (95% UCL - N); 95% UCL of Non-parametric Data (95% UCL - NP); 95% UCL of Gamma Distributed Data (95% UCL - G); Arithmetic Mean (Mean)

(4) Rationale:

(a) Due to small sample size (<4), the maximum detected concentration is used.
(b) When the maximum detected concentration is selected as the RME EPC, the arithmetic mean concentration is selected as the CT EPC.
(c) If the arithmetic mean concentration equals or exceeds the maximum detected concentration, the maximum detected concentration is used as the CT EPC.
(d) Shapiro-Wilk W Test or Lilliefors Test indicates data are normally distributed.
(e) Shapiro-Wilk W Test or Lilliefors Test indicates data are log-normally distributed.
(f) Shapiro-Wilk W Test or Lilliefors Test indicates data are neither normally nor log-normally distributed.
(g) 95% UCL exceeds maximum detected concentration. Therefore, maximum concentration used for EPC
(h) A-D Test and/or K-S Test indicates data are gamma distributed.

J = Estimated Concentration
Max = Maximum Detected Concentration
N/A = Not Applicable
UCL = Upper Confidence Limit
EPC = Exposure Point Concentration
RME = Reasonable Maximum Exposure
CT = Central Tendency

TABLE 3.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future

Medium: Soil

Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.RME	mg/kg	see Table 2.RME	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR	Ingestion Rate of Soil	100	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF / BW x AT
				FI	Fraction Ingested	1	unitless	Prof. Judgement	
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	24	years	USEPA, 1994b	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	8,760	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	
		Young Child	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.RME	mg/kg	see Table 2.RME	Chronic Daily Intake (CDI) (mg/kg-day) =
		(ages 1-6)		IR	Ingestion Rate of Soil	200	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF / BW x AT
				FI	Fraction Ingested	1	unitless	Prof. Judgement	
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	6	years	USEPA, 1994b	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	

TABLE 3.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Dermal	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.RME	mg/kg	see Table 2.RME	CDI (mg/kg-day) =
				SA	Skin Surface Area Available for Contact	5,700	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF
				AF	Skin Adherence Factor	0.07	mg/cm^2-day	USEPA, 2001b	BW x AT
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	24	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	- -	- -	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	8,760	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	
		Young Child	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.RME	mg/kg	see Table 2.RME	CDI (mg/kg-day) =
		(ages 1-6)		SA	Skin Surface Area Available for Contact	2,800	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF
				AF	Skin Adherence Factor	0.2	mg/cm^2-day	USEPA, 2001b	BW x AT
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	6	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	- -	- -	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	

Adult SA term assumes exposure to face, forearms, hands, and lower legs.

Adult AF term is geometric mean value for adult gardeners.

Young child SA term assumes exposure to face, forearms, hands, lower legs, and feet.

Young child AF term is geometric mean value for children playing in wet soil.

TABLE 3.CT

VALUES USED FOR DAILY INTAKE CALCULATIONS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR	Ingestion Rate of Soil	50	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF
				FI	Fraction Ingested	1	unitless	Prof. Judgement	BW x AT
				EF	Exposure Frequency	56	days/year	Prof. Judgement	
				ED	Exposure Duration	7	years	USEPA, 1994b	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,555	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	
		Young Child	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	Chronic Daily Intake (CDI) (mg/kg-day) =
		(ages 1-6)		IR	Ingestion Rate of Soil	100	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF
				FI	Fraction Ingested	1	unitless	Prof. Judgement	BW x AT
				EF	Exposure Frequency	56	days/year	Prof. Judgement	
				ED	Exposure Duration	2	years	USEPA, 1994b	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	730	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	

TABLE 3.CT

VALUES USED FOR DAILY INTAKE CALCULATIONS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Dermal	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	CDI (mg/kg-day) =
				SA	Skin Surface Area Available for Contact	5,700	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF
				AF	Skin Adherence Factor	0.07	mg/cm^2-day	USEPA, 2001b	BW x AT
				EF	Exposure Frequency	56	days/year	Prof. Judgement	
				ED	Exposure Duration	7	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	- -	- -	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,555	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	
		Young Child	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	CDI (mg/kg-day) =
		(ages 1-6)		SA	Skin Surface Area Available for Contact	2,800	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF
				AF	Skin Adherence Factor	0.2	mg/cm^2-day	USEPA, 2001b	BW x AT
				EF	Exposure Frequency	56	days/year	Prof. Judgement	
				ED	Exposure Duration	2	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	- -	- -	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	730	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	

Adult SA term assumes exposure to face, forearms, hands, and lower legs.

Adult AF term is geometric mean value for adult gardeners.

Young child SA term assumes exposure to face, forearms, hands, lower legs, and feet.

Young child AF term is geometric mean value for children playing in wet soil.

TABLE 4

NON-CANCER TOXICITY DATA -- ORAL/DERMAL

POWNAL TANNERY - SOIL REUSE

Chemical of Potential Concern	Chronic/ Subchronic	Oral RfD		Oral Absorption Efficiency for Dermal (1)	Absorbed RfD for Dermal		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfD:Target Organ(s)	
		Value	Units		Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Benzo(a)anthracene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo(a)pyrene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxin TEQ	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arsenic	Chronic	3E-04	mg/kg-day	(4)	3E-04	mg/kg-day	Skin	3	IRIS	04/01/04
Cadmium (food)	Chronic	1E-03	mg/kg-day	0.025	3E-05	mg/kg-day	Kidney	10	IRIS	04/01/04
Manganese (other media)	Chronic	7E-02	mg/kg-day	0.04	2.8E-03	mg/kg-day	Nervous System	1	IRIS	04/01/04
Mercury (organic)	Chronic	1E-04	mg/kg-day	(4)	1E-04	mg/kg-day	Nervous System	10	IRIS	04/01/04

(1) Oral absorption efficiencies from RAGS, Part E (USEPA, 2001b).

(2) Calculated as: (oral RfD) x (oral to dermal adjustment factor).

(3) RfDs for managanese are based on total allowable intake (10 mg/day) minus the background intake (5 mg/day). The remaining intake (5 mg/day) is divided by 70 kg.

RfD for mercury (organic) based on methylmercury.

(4) Oral absorption efficiency exceeds 50%. No adjustment of the oral reference dose is necessary.

IRIS = Integrated Risk Information System

N/A = Not Applicable

TABLE 5

CANCER TOXICITY DATA -- ORAL/DERMAL

POWNAL TANNERY - SOIL REUSE

Chemical of Potential Concern	Oral Cancer Slope Factor		Oral Absorption Efficiency for Dermal	Absorbed Cancer Slope Factor for Dermal		Weight of Evidence/ Cancer Guideline Description	Oral CSF	
	Value	Units	(1)	Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Benzo(a)anthracene	7.3E-01	$(mg/kg\text{-}day)^{-1}$	(1)	7.3E-01	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	04/01/04
Benzo(a)pyrene	7.3E+00	$(mg/kg\text{-}day)^{-1}$	(1)	7.3E+00	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	04/01/04
Dioxin TEQ	1.5E+05	$(mg/kg\text{-}day)^{-1}$	(1)	1.5E+05	$(mg/kg\text{-}day)^{-1}$	B2	HEAST	07/01/97
Arsenic	1.5E+00	$(mg/kg\text{-}day)^{-1}$	(1)	1.5E+00	$(mg/kg\text{-}day)^{-1}$	A	IRIS	04/01/04
Cadmium	N/A	N/A	N/A	N/A	N/A	D	IRIS	04/01/04
Manganese	N/A	N/A	N/A	N/A	N/A	D	IRIS	04/01/04
Mercury (organic)	N/A	N/A	N/A	N/A	N/A	C	IRIS	04/01/04

IRIS = Integrated Risk Information System

HEAST = Health Effects Assessment Summary Tables

N/A = Not Applicable

Slope factor for benzo(a)pyrene, along with the appropriate relative potency factor (USEPA, 1993), used for the other carcinogenic PAHs.

Weight of evidence for mercury (organic) based on methylmercury.

(1) Oral absorption efficiency exceeds 50%. Therefore, no adjustment of the oral slope factor is necessary.

EPA Group:

A - Human carcinogen

B1 - Probable human carcinogen - indicates that limited human data are available

B2 - Probable human carcinogen - indicates sufficient evidence in animals and inadequate or no evidence in humans

C - Possible human carcinogen

D - Not classifiable as a human carcinogen (by the oral route)

E - Evidence of noncarcinogenicity

TABLE 6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Surface Soil	SC-001 to SC-005	Ingestion													
				Benzo(a)anthracene	7E-01	mg/kg	1.0E-07	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	7.4E-08	3.0E-07	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	6E-01	mg/kg	8.5E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	6.2E-07	2.5E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	1.9E-11	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	2.9E-06	5.6E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	7E+00	mg/kg	1.1E-06	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.7E-06	3.2E-06	mg/kg-day	3.0E-04	mg/kg-day	1.1E-02
				Cadmium	5E+00	mg/kg	7.5E-07	mg/kg-day	N/A	N/A	N/A	2.2E-06	mg/kg-day	1.0E-03	mg/kg-day	2.2E-03
				Manganese	1E+03	mg/kg	2.1E-04	mg/kg-day	N/A	N/A	N/A	6.2E-04	mg/kg-day	7.0E-02	mg/kg-day	8.9E-03
				Mercury	2E+00	mg/kg	2.4E-07	mg/kg-day	N/A	N/A	N/A	6.9E-07	mg/kg-day	1.0E-04	mg/kg-day	6.9E-03
			Exp. Route Total								5E-06					3E-02
			Dermal													
				Benzo(a)anthracene	7E-01	mg/kg	5.3E-08	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	3.9E-08	1.5E-07	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	6E-01	mg/kg	4.4E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	3.2E-07	1.3E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	2.3E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	3.4E-07	6.7E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	7E+00	mg/kg	1.3E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	2.0E-07	3.9E-07	mg/kg-day	3.0E-04	mg/kg-day	1.3E-03
				Cadmium	5E+00	mg/kg	3.0E-09	mg/kg-day	N/A	N/A	N/A	8.8E-09	mg/kg-day	2.5E-05	mg/kg-day	3.5E-04
			Exp. Route Total								9E-07					2E-03
		Exposure Point Total									6E-06					3E-02
		SC-006 to SC-010	Ingestion													
				Benzo(a)pyrene	3E-01	mg/kg	4.7E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	3.4E-07	1.4E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	8E-05	mg/kg	1.2E-11	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.8E-06	3.5E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	6.8E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.0E-06	2.0E-06	mg/kg-day	3.0E-04	mg/kg-day	6.6E-03
				Cadmium	4E+00	mg/kg	6.7E-07	mg/kg-day	N/A	N/A	N/A	1.9E-06	mg/kg-day	1.0E-03	mg/kg-day	1.9E-03
				Manganese	7E+02	mg/kg	1.1E-04	mg/kg-day	N/A	N/A	N/A	3.1E-04	mg/kg-day	7.0E-02	mg/kg-day	4.4E-03
				Mercury	2E+00	mg/kg	2.4E-07	mg/kg-day	N/A	N/A	N/A	7.1E-07	mg/kg-day	1.0E-04	mg/kg-day	7.1E-03
			Exp. Route Total								3E-06					2E-02
			Dermal													
				Benzo(a)pyrene	3E-01	mg/kg	2.4E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.8E-07	7.1E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	8E-05	mg/kg	1.4E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	2.1E-07	4.1E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	8.1E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.2E-07	2.4E-07	mg/kg-day	3.0E-04	mg/kg-day	7.9E-04
				Cadmium	4E+00	mg/kg	2.7E-09	mg/kg-day	N/A	N/A	N/A	7.8E-09	mg/kg-day	2.5E-05	mg/kg-day	3.1E-04
			Exp. Route Total								5E-07					1E-03
		Exposure Point Total									4E-06					2E-02

TABLE 6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
		SC-011 to SC-015	Ingestion													
				Benzo(a)pyrene	5E-01	mg/kg	7.5E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	5.4E-07	2.2E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	1.5E-11	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	2.2E-06	4.3E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	8.1E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.2E-06	2.3E-06	mg/kg-day	3.0E-04	mg/kg-day	7.8E-03
				Manganese	7E+02	mg/kg	1.0E-04	mg/kg-day	N/A	N/A	N/A	3.0E-04	mg/kg-day	7.0E-02	mg/kg-day	4.4E-03
				Mercury	1E+00	mg/kg	1.5E-07	mg/kg-day	N/A	N/A	N/A	4.3E-07	mg/kg-day	1.0E-04	mg/kg-day	4.3E-03
			Exp. Route Total								4E-06					2E-02
			Dermal													
				Benzo(a)pyrene	5E-01	mg/kg	3.9E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.8E-07	1.1E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	1.8E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	2.7E-07	5.2E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	9.6E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.4E-07	2.8E-07	mg/kg-day	3.0E-04	mg/kg-day	9.4E-04
			Exp. Route Total								7E-07					9E-04
		Exposure Point Total									5E-06					2E-02
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 6.CT

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Surface Soil	SC-001 to SC-005	Ingestion													
				Benzo(a)anthracene	7E-01	mg/kg	7.4E-09	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	5.4E-09	7.4E-08	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	6E-01	mg/kg	6.2E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	4.5E-08	6.2E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	1.4E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	2.1E-07	1.4E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	7E+00	mg/kg	8.1E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.2E-07	8.1E-07	mg/kg-day	3.0E-04	mg/kg-day	2.7E-03
				Cadmium	5E+00	mg/kg	5.5E-08	mg/kg-day	N/A	N/A	N/A	5.5E-07	mg/kg-day	1.0E-03	mg/kg-day	5.5E-04
				Manganese	1E+03	mg/kg	1.6E-05	mg/kg-day	N/A	N/A	N/A	1.6E-04	mg/kg-day	7.0E-02	mg/kg-day	2.2E-03
				Mercury	2E+00	mg/kg	1.7E-08	mg/kg-day	N/A	N/A	N/A	1.7E-07	mg/kg-day	1.0E-04	mg/kg-day	1.7E-03
			Exp. Route Total								4E-07					7E-03
			Dermal													
				Benzo(a)anthracene	7E-01	mg/kg	7.7E-09	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	5.6E-09	7.7E-08	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	6E-01	mg/kg	6.4E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	4.7E-08	6.4E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	3.4E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	5.0E-08	3.4E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	7E+00	mg/kg	1.9E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	2.9E-08	1.9E-07	mg/kg-day	3.0E-04	mg/kg-day	6.4E-04
				Cadmium	5E+00	mg/kg	4.4E-10	mg/kg-day	N/A	N/A	N/A	4.4E-09	mg/kg-day	2.5E-05	mg/kg-day	1.8E-04
			Exp. Route Total								1E-07					8E-04
		Exposure Point Total									5E-07					8E-03
		SC-006 to SC-010	Ingestion													
				Benzo(a)pyrene	3E-01	mg/kg	3.4E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.5E-08	3.4E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	8E-05	mg/kg	8.6E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.3E-07	8.6E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	4.9E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	7.4E-08	4.9E-07	mg/kg-day	3.0E-04	mg/kg-day	1.6E-03
				Cadmium	4E+00	mg/kg	4.9E-08	mg/kg-day	N/A	N/A	N/A	4.9E-07	mg/kg-day	1.0E-03	mg/kg-day	4.9E-04
				Manganese	7E+02	mg/kg	7.8E-06	mg/kg-day	N/A	N/A	N/A	7.8E-05	mg/kg-day	7.0E-02	mg/kg-day	1.1E-03
				Mercury	2E+00	mg/kg	1.8E-08	mg/kg-day	N/A	N/A	N/A	1.8E-07	mg/kg-day	1.0E-04	mg/kg-day	1.8E-03
			Exp. Route Total								2E-07					5E-03
			Dermal													
				Benzo(a)pyrene	3E-01	mg/kg	3.6E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.6E-08	3.6E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	8E-05	mg/kg	2.1E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	3.1E-08	2.1E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	1.2E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.8E-08	1.2E-07	mg/kg-day	3.0E-04	mg/kg-day	3.9E-04
				Cadmium	4E+00	mg/kg	3.9E-10	mg/kg-day	N/A	N/A	N/A	3.9E-09	mg/kg-day	2.5E-05	mg/kg-day	1.6E-04
			Exp. Route Total								7E-08					6E-04
		Exposure Point Total									3E-07					6E-03

TABLE 6.CT

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
		SC-011 to SC-015	Ingestion													
				Benzo(a)pyrene	5E-01	mg/kg	5.4E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	4.0E-08	5.4E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	1.1E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.6E-07	1.1E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	5.9E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	8.8E-08	5.9E-07	mg/kg-day	3.0E-04	mg/kg-day	2.0E-03
				Manganese	7E+02	mg/kg	7.6E-06	mg/kg-day	N/A	N/A	N/A	7.6E-05	mg/kg-day	7.0E-02	mg/kg-day	1.1E-03
				Mercury	7E-01	mg/kg	7.9E-09	mg/kg-day	N/A	N/A	N/A	7.9E-08	mg/kg-day	1.0E-04	mg/kg-day	7.9E-04
			Exp. Route Total								3E-07					4E-03
			Dermal													
				Benzo(a)pyrene	5E-01	mg/kg	5.6E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	4.1E-08	5.6E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	2.6E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	3.9E-08	2.6E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	1.4E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	2.1E-08	1.4E-07	mg/kg-day	3.0E-04	mg/kg-day	4.7E-04
			Exp. Route Total								1E-07					5E-04
		Exposure Point Total									4E-07					4E-03
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Surface Soil	SC-001 to SC-005	Ingestion													
				Benzo(a)anthracene	7E-01	mg/kg	2.4E-07	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	1.7E-07	2.8E-06	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	6E-01	mg/kg	2.0E-07	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.4E-06	2.3E-06	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	4.5E-11	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	6.7E-06	5.2E-10	mg/kg-day	N/A	N/A	N/A
				Arsenic	7E+00	mg/kg	2.6E-06	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	3.9E-06	3.0E-05	mg/kg-day	3.0E-04	mg/kg-day	1.0E-01
				Cadmium	5E+00	mg/kg	1.8E-06	mg/kg-day	N/A	N/A	N/A	2.0E-05	mg/kg-day	1.0E-03	mg/kg-day	2.0E-02
				Manganese	1E+03	mg/kg	5.0E-04	mg/kg-day	N/A	N/A	N/A	5.8E-03	mg/kg-day	7.0E-02	mg/kg-day	8.3E-02
				Mercury	2E+00	mg/kg	5.6E-07	mg/kg-day	N/A	N/A	N/A	6.5E-06	mg/kg-day	1.0E-04	mg/kg-day	6.5E-02
			Exp. Route Total								1E-05					3E-01
			Dermal													
				Benzo(a)anthracene	7E-01	mg/kg	8.7E-08	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	6.3E-08	1.0E-06	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	6E-01	mg/kg	7.2E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	5.3E-07	8.4E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	3.8E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	5.6E-07	4.4E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	7E+00	mg/kg	2.2E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	3.3E-07	2.5E-06	mg/kg-day	3.0E-04	mg/kg-day	8.4E-03
				Cadmium	5E+00	mg/kg	4.9E-09	mg/kg-day	N/A	N/A	N/A	5.7E-08	mg/kg-day	2.5E-05	mg/kg-day	2.3E-03
			Exp. Route Total								1E-06					1E-02
		Exposure Point Total									1E-05					3E-01
		SC-006 to SC-010	Ingestion													
				Benzo(a)pyrene	3E-01	mg/kg	1.1E-07	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	8.0E-07	1.3E-06	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	8E-05	mg/kg	2.8E-11	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	4.1E-06	3.2E-10	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	1.6E-06	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	2.4E-06	1.8E-05	mg/kg-day	3.0E-04	mg/kg-day	6.2E-02
				Cadmium	4E+00	mg/kg	1.6E-06	mg/kg-day	N/A	N/A	N/A	1.8E-05	mg/kg-day	1.0E-03	mg/kg-day	1.8E-02
				Manganese	7E+02	mg/kg	2.5E-04	mg/kg-day	N/A	N/A	N/A	2.9E-03	mg/kg-day	7.0E-02	mg/kg-day	4.1E-02
				Mercury	2E+00	mg/kg	5.7E-07	mg/kg-day	N/A	N/A	N/A	6.6E-06	mg/kg-day	1.0E-04	mg/kg-day	6.6E-02
			Exp. Route Total								7E-06					2E-01
			Dermal													
				Benzo(a)pyrene	3E-01	mg/kg	4.0E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.9E-07	4.7E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	8E-05	mg/kg	2.3E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	3.5E-07	2.7E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	1.3E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	2.0E-07	1.6E-06	mg/kg-day	3.0E-04	mg/kg-day	5.2E-03
				Cadmium	4E+00	mg/kg	4.4E-09	mg/kg-day	N/A	N/A	N/A	5.1E-08	mg/kg-day	2.5E-05	mg/kg-day	2.0E-03
			Exp. Route Total								8E-07					7E-03
		Exposure Point Total									8E-06					2E-01

TABLE 7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
		SC-011 to SC-015	Ingestion													
				Benzo(a)pyrene	5E-01	mg/kg	1.7E-07	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.3E-06	2.0E-06	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	3.5E-11	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	5.2E-06	4.1E-10	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	1.9E-06	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	2.8E-06	2.2E-05	mg/kg-day	3.0E-04	mg/kg-day	7.3E-02
				Manganese	7E+02	mg/kg	2.4E-04	mg/kg-day	N/A	N/A	N/A	2.8E-03	mg/kg-day	7.0E-02	mg/kg-day	4.1E-02
				Mercury	1E+00	mg/kg	3.4E-07	mg/kg-day	N/A	N/A	N/A	4.0E-06	mg/kg-day	1.0E-04	mg/kg-day	4.0E-02
			Exp. Route Total								9E-06					2E-01
			Dermal													
				Benzo(a)pyrene	5E-01	mg/kg	6.3E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	4.6E-07	7.4E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	2.9E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	4.4E-07	3.4E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	1.6E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	2.4E-07	1.8E-06	mg/kg-day	3.0E-04	mg/kg-day	6.1E-03
			Exp. Route Total								1E-06					6E-03
		Exposure Point Total									1E-05					2E-01
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 7.CT

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Surface Soil	SC-001 to SC-005	Ingestion													
				Benzo(a)anthracene	7E-01	mg/kg	2.0E-08	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	1.4E-08	6.9E-07	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	6E-01	mg/kg	1.7E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.2E-07	5.8E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	3.7E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	5.6E-07	1.3E-10	mg/kg-day	N/A	N/A	N/A
				Arsenic	7E+00	mg/kg	2.2E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	3.2E-07	7.5E-06	mg/kg-day	3.0E-04	mg/kg-day	2.5E-02
				Cadmium	5E+00	mg/kg	1.5E-07	mg/kg-day	N/A	N/A	N/A	5.1E-06	mg/kg-day	1.0E-03	mg/kg-day	5.1E-03
				Manganese	1E+03	mg/kg	4.1E-05	mg/kg-day	N/A	N/A	N/A	1.4E-03	mg/kg-day	7.0E-02	mg/kg-day	2.1E-02
				Mercury	2E+00	mg/kg	4.6E-08	mg/kg-day	N/A	N/A	N/A	1.6E-06	mg/kg-day	1.0E-04	mg/kg-day	1.6E-02
			Exp. Route Total								1E-06					7E-02
			Dermal													
				Benzo(a)anthracene	7E-01	mg/kg	1.4E-08	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	1.1E-08	5.1E-07	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	6E-01	mg/kg	1.2E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	8.8E-08	4.2E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	6.3E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	9.4E-08	2.2E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	7E+00	mg/kg	3.6E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	5.4E-08	1.3E-06	mg/kg-day	3.0E-04	mg/kg-day	4.2E-03
				Cadmium	5E+00	mg/kg	8.2E-10	mg/kg-day	N/A	N/A	N/A	2.9E-08	mg/kg-day	2.5E-05	mg/kg-day	1.1E-03
			Exp. Route Total								2E-07					5E-03
		Exposure Point Total									1E-06					7E-02
		SC-006 to SC-010	Ingestion													
				Benzo(a)pyrene	3E-01	mg/kg	9.2E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	6.7E-08	3.2E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	8E-05	mg/kg	2.3E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	3.5E-07	8.1E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	1.3E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	2.0E-07	4.6E-06	mg/kg-day	3.0E-04	mg/kg-day	1.5E-02
				Cadmium	4E+00	mg/kg	1.3E-07	mg/kg-day	N/A	N/A	N/A	4.5E-06	mg/kg-day	1.0E-03	mg/kg-day	4.5E-03
				Manganese	7E+02	mg/kg	2.1E-05	mg/kg-day	N/A	N/A	N/A	7.2E-04	mg/kg-day	7.0E-02	mg/kg-day	1.0E-02
				Mercury	2E+00	mg/kg	4.7E-08	mg/kg-day	N/A	N/A	N/A	1.7E-06	mg/kg-day	1.0E-04	mg/kg-day	1.7E-02
			Exp. Route Total								6E-07					5E-02
			Dermal													
				Benzo(a)pyrene	3E-01	mg/kg	6.7E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	4.9E-08	2.3E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	8E-05	mg/kg	3.9E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	5.8E-08	1.4E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	2.2E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	3.3E-08	7.8E-07	mg/kg-day	3.0E-04	mg/kg-day	2.6E-03
				Cadmium	4E+00	mg/kg	7.3E-10	mg/kg-day	N/A	N/A	N/A	2.5E-08	mg/kg-day	2.5E-05	mg/kg-day	1.0E-03
			Exp. Route Total								1E-07					4E-03
		Exposure Point Total									8E-07					5E-02

TABLE 7.CT

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
		SC-011 to SC-015	Ingestion													
				Benzo(a)pyrene	5E-01	mg/kg	1.5E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.1E-07	5.1E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	2.9E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	4.3E-07	1.0E-10	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	1.6E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	2.3E-07	5.5E-06	mg/kg-day	3.0E-04	mg/kg-day	1.8E-02
				Manganese	7E+02	mg/kg	2.0E-05	mg/kg-day	N/A	N/A	N/A	7.1E-04	mg/kg-day	7.0E-02	mg/kg-day	1.0E-02
				Mercury	7E-01	mg/kg	2.1E-08	mg/kg-day	N/A	N/A	N/A	7.4E-07	mg/kg-day	1.0E-04	mg/kg-day	7.4E-03
			Exp. Route Total								8E-07					4E-02
			Dermal													
				Benzo(a)pyrene	5E-01	mg/kg	1.1E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	7.7E-08	3.7E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	1E-04	mg/kg	4.9E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	7.3E-08	1.7E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	2.6E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	3.9E-08	9.2E-07	mg/kg-day	3.0E-04	mg/kg-day	3.1E-03
			Exp. Route Total								2E-07					3E-03
		Exposure Point Total									1E-06					4E-02
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-001 to SC-005											
			Benzo(a)anthracene	2E-07	- -	1E-07	- -	3E-07	N/A	N/A	- -	N/A	N/A
			Benzo(a)pyrene	2E-06	- -	8E-07	- -	3E-06	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	1E-05	- -	9E-07	- -	1E-05	N/A	N/A	- -	N/A	N/A
			Arsenic	6E-06	- -	5E-07	- -	6E-06	Skin	1E-01	- -	8E-03	1E-01
			Cadmium	N/A	- -	N/A	- -	N/A	Kidney	2E-02	- -	2E-03	2E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	8E-02	- -	N/A	8E-02
			Mercury	N/A	- -	N/A	- -	N/A	Nervous System	6E-02	- -	N/A	6E-02
			Chemical Total	2E-05	- -	2E-06	- -	2E-05		3E-01	- -	1E-02	3E-01
			Radionuclide Total										
		Exposure Point Total						2E-05					3E-01
	Exposure Medium Total							2E-05					3E-01
Medium Total								2E-05					3E-01
Receptor Total								2E-05					3E-01

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 2E-05

Total Hazard Across All Media: 3E-01

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to 7E-05

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	2E-02
Total Liver HI =	N/A
Total Nervous System HI =	1E-01
Total Skin HI =	1E-01
Total Eye HI =	N/A
Total Alopecia HI =	N/A

TABLE 8.CT

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-001 to SC-005											
			Benzo(a)anthracene	2E-08	- -	2E-08	- -	4E-08	N/A	N/A	- -	N/A	N/A
			Benzo(a)pyrene	2E-07	- -	1E-07	- -	3E-07	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	8E-07	- -	1E-07	- -	9E-07	N/A	N/A	- -	N/A	N/A
			Arsenic	4E-07	- -	8E-08	- -	5E-07	Skin	3E-02	- -	4E-03	3E-02
			Cadmium	N/A	- -	N/A	- -	N/A	Kidney	5E-03	- -	1E-03	6E-03
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	2E-02	- -	N/A	2E-02
			Mercury	N/A	- -	N/A	- -	N/A	Nervous System	2E-02	- -	N/A	2E-02
			Chemical Total	1E-06	- -	4E-07	- -	2E-06		7E-02	- -	5E-03	7E-02
			Radionuclide Total										
		Exposure Point Total						2E-06					7E-02
	Exposure Medium Total							2E-06					7E-02
Medium Total								2E-06					7E-02
Receptor Total								2E-06					7E-02

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 2E-06

Total Hazard Across All Media: 7E-02

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to 7E-06

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	6E-03
Total Liver HI =	N/A
Total Nervous System HI =	4E-02
Total Skin HI =	3E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

TABLE 9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-006 to SC-010											
			Benzo(a)pyrene	1E-06	- -	5E-07	- -	2E-06	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	6E-06	- -	6E-07	- -	6E-06	N/A	N/A	- -	N/A	N/A
			Arsenic	3E-06	- -	3E-07	- -	4E-06	Skin	6E-02	- -	5E-03	7E-02
			Cadmium	N/A	- -	N/A	- -	N/A	Kidney	2E-02	- -	2E-03	2E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	4E-02	- -	N/A	4E-02
			Mercury	N/A	- -	N/A	- -	N/A	Nervous System	7E-02	- -	N/A	7E-02
			Chemical Total	1E-05	- -	1E-06	- -	1E-05		2E-01	- -	7E-03	2E-01
			Radionuclide Total										
		Exposure Point Total						1E-05					2E-01
	Exposure Medium Total							1E-05					2E-01
Medium Total								1E-05					2E-01
Receptor Total								1E-05					2E-01

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 1E-05

Total Hazard Across All Media: 2E-01

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 5E-05

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	2E-02
Total Liver HI =	N/A
Total Nervous System HI =	1E-01
Total Skin HI =	7E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

TABLE 9.CT

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-006 to SC-010											
			Benzo(a)pyrene	9E-08	- -	7E-08	- -	2E-07	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	5E-07	- -	9E-08	- -	6E-07	N/A	N/A	- -	N/A	N/A
			Arsenic	3E-07	- -	5E-08	- -	3E-07	Skin	2E-02	- -	3E-03	2E-02
			Cadmium	N/A	- -	N/A	- -	N/A	Kidney	5E-03	- -	1E-03	6E-03
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	1E-02	- -	N/A	1E-02
			Mercury	N/A	- -	N/A	- -	N/A	Nervous System	2E-02	- -	N/A	2E-02
			Chemical Total	8E-07	- -	2E-07	- -	1E-06		5E-02	- -	4E-03	5E-02
			Radionuclide Total										
		Exposure Point Total						1E-06					5E-02
	Exposure Medium Total							1E-06					5E-02
Medium Total								1E-06					5E-02
Receptor Total								1E-06					5E-02

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 1E-06

Total Hazard Across All Media: 5E-02

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 4E-06

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	6E-03
Total Liver HI =	N/A
Total Nervous System HI =	3E-02
Total Skin HI =	2E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

TABLE 10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-011 to SC-015											
			Benzo(a)pyrene	2E-06	- -	7E-07	- -	3E-06	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	7E-06	- -	7E-07	- -	8E-06	N/A	N/A	- -	N/A	N/A
			Arsenic	4E-06	- -	4E-07	- -	4E-06	Skin	7E-02	- -	6E-03	8E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	4E-02	- -	N/A	4E-02
			Mercury	N/A	- -	N/A	- -	N/A	Nervous System	4E-02	- -	N/A	4E-02
			Chemical Total	1E-05	- -	2E-06	- -	2E-05		2E-01	- -	6E-03	2E-01
			Radionuclide Total										
		Exposure Point Total						2E-05					2E-01
	Exposure Medium Total							2E-05					2E-01
Medium Total								2E-05					2E-01
Receptor Total								2E-05					2E-01

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 2E-05

Total Hazard Across All Media: 2E-01

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 6E-05

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	N/A
Total Liver HI =	N/A
Total Nervous System HI =	8E-02
Total Skin HI =	8E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

TABLE 10.CT

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-011 to SC-015											
			Benzo(a)pyrene	1E-07	- -	1E-07	- -	3E-07	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	6E-07	- -	1E-07	- -	7E-07	N/A	N/A	- -	N/A	N/A
			Arsenic	3E-07	- -	6E-08	- -	4E-07	Skin	2E-02	- -	3E-03	2E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	1E-02	- -	N/A	1E-02
			Mercury	N/A	- -	N/A	- -	N/A	Nervous System	7E-03	- -	N/A	7E-03
			Chemical Total	1E-06	- -	3E-07	- -	1E-06		4E-02	- -	3E-03	4E-02
			Radionuclide Total										
		Exposure Point Total						1E-06					4E-02
	Exposure Medium Total							1E-06					4E-02
Medium Total								1E-06					4E-02
Receptor Total								1E-06					4E-02

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 1E-06

Total Hazard Across All Media: 4E-02

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 5E-06

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	N/A
Total Liver HI =	N/A
Total Nervous System HI =	2E-02
Total Skin HI =	2E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

Memorandum

DATE: July 6, 2004

TO: Don Dwight

FROM: Diane Silverman, Ph.D.

Sean Czarniecki

SUBJECT: Pownal Tannery Supplemental Human Health Risk Assessment for Cover Soil Stockpiles #4 and #5

Unvalidated data are currently available for the stockpiled lagoon cover and berm soil from stockpiles #4 and #5, referred to as windrows #4 and #5 (WR #4 and WR #5). WR #4 is associated with samples SC-022 through SC-026. WR #5 is associated with samples SC-027 through SC-031. These lagoon cover and berm soils contain levels of contaminants of concern (COCs) slightly in excess of risk-based preliminary remediation goals (PRGs). This site-specific supplemental risk evaluation has been performed to determine whether these lagoon cover and berm soils may be used as backfill in the lagoons.

As previously described in the June 22, 2004 supplemental human health risk assessment performed on WR #1, WR #2, and WR #3, this supplemental risk assessment has been conducted to determine whether future human recreational exposure to these cover and berm soils would result in an exceedance of the EPA target risk range. If the risk associated with future exposure to the cover and berm soils does not exceed the EPA target risk range despite exceeding the PRGs, a defensible case may be made to re-use the cover and berm soils as on-site backfill in the lagoons.

Consistent with the June 22, 2004 supplemental risk assessment, this supplemental risk assessment focused on potential future adult and young child exposures to soil at the lagoon areas, planned for recreational development. This scenario was selected since recreational use is the most likely future land use of the site. The supplemental risk assessment was performed using the same methods and assumptions as the baseline risk assessment. These methods and assumptions are briefly summarized in the following text and tables. Additional details can be found in the Remedial Investigation Report (July 2002) for the site.

Ten composite soil samples were collected from two stockpiles (WR #4 and WR #5) and analyzed for VOCs, SVOCs, dioxins, and metals. Chromium speciation was previously performed (see June 22, 2004 memorandum) on six cover and berm soil samples from WR #1, WR #2, and WR #3 to determine the valence state(s) of chromium in soils, assumed to be chromium VI in the RI Report. The results of the chromium speciation study indicate that chromium in on-site cover and berm soils exists primarily as chromium III. Chromium VI analytical results were below Region 9 residential screening values. No additional chromium speciation analysis was performed for these two stockpiles or will be performed on future stockpiles. However, based on the results of the chromium speciation study, total chromium results for these cover and berm soils have been evaluated as chromium III. Data validation will be performed on these cover and berm soil samples but has not, to date, been completed. Therefore, the risk calculations presented in this memorandum are based on unvalidated laboratory data.

The composite soil samples evaluated included SC-022 through SC-031 collected from two 5000 ton stockpiles. Samples SC-022 through SC-026 and SC-027 thorough SC-031 represent sets of five 8-point composite soil samples taken from WR #4 and WR #5, respectively. The two stockpiles were evaluated separately to determine whether one or both of the stockpiles may be safely reused as backfill. Summary statistics for the two stockpiles are presented on Table 1. This table also presents the screening process used to select COPCs. In order to select COPCs, a comparison between the maximum detected site concentrations and a conservative screening toxicity value is made. The Region 9 residential soil PRGs have been used as screening toxicity values. Any contaminant whose maximum detected concentration exceeds the screening value is selected as a COPC and is further evaluated in the risk assessment. Soil contaminants selected as COPCs for this evaluation include: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, dioxins (expressed as a toxic equivalent concentration [TEQ]), arsenic, manganese, and mercury. Because total chromium (evaluated as chromium III) laboratory results were below Region 9 screening values, chromium was not selected as a COPC.

In order to evaluate the magnitude of human exposures, an exposure point concentration (EPC) must be estimated for each COPC in each stockpile. Since the Upper Confidence Limit (UCL) on the arithmetic mean is the most reliable estimate of exposure, UCLs have been calculated for each of the COPCs. UCLs were calculated using EPA's calculation software, ProUCL version 3.0. However, for small data sets with high variability, the UCL may exceed the maximum detected concentration. In these cases, the maximum detected concentration is used to evaluate the reasonable maximum exposure (RME) scenario and the arithmetic mean concentration is used for the central tendency (CT) exposure scenario. Table 2 summarizes the statistic (UCL, mean or maximum) selected as the EPC for each COPC.

To estimate the carcinogenic and noncarcinogenic risk associated with potential future soil exposures, both exposure and toxicity information is needed. To quantify the extent, frequency and duration of potential human exposures, exposure assumptions are selected for the receptors of interest. Since the concern is future recreational exposures, young child and adult recreational receptors have been selected for evaluation as the most conservative of the possible recreational receptors. A complete discussion of additional exposure pathways evaluated in the baseline risk assessment can be found in the RI report along with the rationale for the recreational exposure assumptions selected. However, Table 3 has been included to provide a summary of the exposure assumptions for the adult and child recreational receptors, respectively. The toxicity values used in this evaluation are the same as those used in the baseline risk assessment since no changes have occurred to the COPC toxicity values since 2002. Further information is provided in the RI report. However, Table 4 lists the oral reference doses used to evaluate noncarcinogenic risk and Table 5 lists the oral slope factors used to evaluate carcinogenic risk.

Risk estimation was performed by combining the toxicity and exposure information as described in the baseline risk assessment. Tables 6 and 7 summarize the carcinogenic risks and noncarcinogenic hazards associated with potential soil exposures for the adult and child RME and CT receptors, respectively. Individual receptor risks are within the EPA risk management cancer risk range of 10^{-6} to 10^{-4}, and below the noncarcinogenic target risk of 1.

Tables 8 and 9 provide the cumulative receptor risks for the adult and child combined for the two stockpiles. Cumulative risk estimates provide the basis for risk determination at a site. Cumulative receptor carcinogenic risks are also within the EPA risk management cancer risk range of 10^{-6} to 10^{-4}, and noncarcinogenic risks are below the target risk of 1. This supplemental risk evaluation

demonstrates that potential human recreational exposures to stockpiled cover and berm soils excavated from the lagoon areas are not associated with risk above regulatory guidelines.

TABLE 1
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (N/C) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
SC-022 to SC-026	67-64-1	Acetone	0.0032 J	0.0051 J	mg/Kg	SC-025	5 / 5	N/A	0.0051	N/A	160 N	N/A	N/A	N	BSL
	75-09-2	Methylene chloride	0.0011 J	0.0019 J	mg/Kg	SC-026	5 / 5	N/A	0.0019	N/A	9.1 C	N/A	N/A	N	BSL
	208-96-8	Acenaphthylene	0.019 J	0.032 J	mg/Kg	SC-026	5 / 5	N/A	0.032	N/A	5.6 N	N/A	N/A	N	BSL
	120-12-7	Anthracene	0.014 J	0.0465 J	mg/Kg	SC-025	5 / 5	N/A	0.047	N/A	2200 N	N/A	N/A	N	BSL
	56-55-3	Benzo (a) anthracene	0.063	0.173	mg/Kg	SC-025	5 / 5	N/A	0.17	N/A	0.62 C	N/A	N/A	N	BSL
	50-32-8	Benzo (a) pyrene	0.066	0.157	mg/Kg	SC-025	5 / 5	N/A	0.16	N/A	0.062 C	N/A	N/A	Y	ASL
	205-99-2	Benzo (b) fluoranthene	0.06	0.156	mg/Kg	SC-025	5 / 5	N/A	0.16	N/A	0.62 C	N/A	N/A	N	BSL
	191-24-2	Benzo (g,h,i) perylene	0.044 J	0.0865 J	mg/Kg	SC-025	5 / 5	N/A	0.087	N/A	5.6 N	N/A	N/A	N	BSL
	207-08-9	Benzo (k) fluoranthene	0.045 J	0.0975	mg/Kg	SC-025	5 / 5	N/A	0.098	N/A	6.2 C	N/A	N/A	N	BSL
	117-81-7	bis(2-Ethylhexyl)phthalate	0.037 J	0.06 J	mg/Kg	SC-022	5 / 5	N/A	0.060	N/A	35 C	N/A	N/A	N	BSL
	218-01-9	Chrysene	0.062	0.1655	mg/Kg	SC-025	5 / 5	N/A	0.17	N/A	62 C	N/A	N/A	N	BSL
	53-70-3	Dibenz (a,h) anthracene	0.013 J	0.025 J	mg/Kg	SC-025	5 / 5	N/A	0.025	N/A	0.062 C	N/A	N/A	N	BSL
	84-66-2	Diethylphthalate	0.013 J	0.013 J	mg/Kg	SC-026	1 / 5	0.053 - 0.055	0.013	N/A	4900 N	N/A	N/A	N	BSL
	84-74-2	Di-n-butylphthalate	0.011 J	0.046 J	mg/Kg	SC-023	5 / 5	N/A	0.046	N/A	610 N	N/A	N/A	N	BSL
	206-44-0	Fluoranthene	0.079	0.27	mg/Kg	SC-025	5 / 5	N/A	0.27	N/A	230 N	N/A	N/A	N	BSL
	193-39-5	Indeno (1,2,3-cd) pyrene	0.037 J	0.0785 J	mg/Kg	SC-025	5 / 5	N/A	0.079	N/A	0.62 C	N/A	N/A	N	BSL
	91-20-3	Naphthalene	0.012 J	0.016 J	mg/Kg	SC-023	4 / 5	0.055	0.016	N/A	5.6 N	N/A	N/A	N	BSL
	85-01-8	Phenanthrene	0.028 J	0.098	mg/Kg	SC-024	5 / 5	N/A	0.098	N/A	5.6 N	N/A	N/A	N	BSL
	129-00-0	Pyrene	0.094	0.28	mg/Kg	SC-025	5 / 5	N/A	0.28	N/A	230 N	N/A	N/A	N	BSL
	1746-01-6	Dioxin TEQ	0.000024	0.000043	mg/Kg	SC-022	5 / 5	N/A	0.000043	N/A	3.9E-06 C	N/A	N/A	Y	ASL
	7429-90-5	Aluminum	6100	7500	mg/Kg	SC-022	5 / 5	N/A	7500	N/A	N/A	N/A	N/A	N	NTX
	7440-36-0	Antimony	0.45	0.7	mg/Kg	SC-024	5 / 5	N/A	0.70	N/A	3.1 N	N/A	N/A	N	BSL
	7440-38-2	Arsenic	3	4	mg/Kg	SC-022	5 / 5	N/A	4.0	N/A	0.39 C	N/A	N/A	Y	ASL
	7440-39-3	Barium	28	42	mg/Kg	SC-022	5 / 5	N/A	42	N/A	540 N	N/A	N/A	N	BSL
	7440-41-7	Beryllium	0.2	0.26	mg/Kg	SC-022	5 / 5	N/A	0.26	N/A	15 N	N/A	N/A	N	BSL
	7440-43-9	Cadmium	0.5	1.5	mg/Kg	SC-022	5 / 5	N/A	1.5	N/A	3.7 N	N/A	N/A	N	BSL
	7440-70-2	Calcium	4000	8000	mg/Kg	SC-022	5 / 5	N/A	8000	N/A	N/A	N/A	N/A	N	NUT
	7440-47-3	Chromium	200	640	mg/Kg	SC-022	5 / 5	N/A	640	N/A	10000 N	N/A	N/A	N	BSL
	7440-48-4	Cobalt	6.8	9.1	mg/Kg	SC-022	5 / 5	N/A	9.1	N/A	N/A	N/A	N/A	N	NTX
	7440-50-8	Copper	17	22	mg/Kg	SC-022	5 / 5	N/A	22	N/A	N/A	N/A	N/A	N	NTX
	7439-89-6	Iron	16000	19000	mg/Kg	SC-022	5 / 5	N/A	19000	N/A	N/A	N/A	N/A	N	NUT
	7439-92-1	Lead	24	43	mg/Kg	SC-022	5 / 5	N/A	43	N/A	N/A	N/A	N/A	N	BSL
	7439-95-4	Magnesium	3400	5100	mg/Kg	SC-022	5 / 5	N/A	5100	N/A	N/A	N/A	N/A	N	NUT
	7439-96-5	Manganese	380	610	mg/Kg	SC-022	5 / 5	N/A	610	N/A	180 N	N/A	N/A	Y	ASL
	7439-97-6	Mercury	0.25	0.44	mg/Kg	SC-022	5 / 5	N/A	0.44	N/A	0.61 N	N/A	N/A	N	BSL
	7440-02-0	Nickel	13	17	mg/Kg	SC-022	5 / 5	N/A	17	N/A	160 N	N/A	N/A	N	BSL
	7440-09-7	Potassium	320	380	mg/Kg	SC-022	5 / 5	N/A	380	N/A	N/A	N/A	N/A	N	NUT
	7440-22-4	Silver	0.17	0.29	mg/Kg	SC-025	5 / 5	N/A	0.29	N/A	39 N	N/A	N/A	N	BSL
	7440-23-5	Sodium	21	28	mg/Kg	SC-022	5 / 5	N/A	28	N/A	N/A	N/A	N/A	N	NUT
	7440-28-0	Thallium	0.062	0.18	mg/Kg	SC-022	5 / 5	N/A	0.18	N/A	0.52 N	N/A	N/A	N	BSL

TABLE 1
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (N/C) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
	7440-62-2	Vanadium	7	9.6	mg/Kg	SC-022	5 / 5	N/A	9.6	N/A	55 N	N/A	N/A	N	BSL
	7440-66-6	Zinc	68	82	mg/Kg	SC-022	5 / 5	N/A	82	N/A	2300 N	N/A	N/A	N	BSL
SC-027 to SC-031	95-50-1	1,2-Dichlorobenzene	0.016	0.016	mg/Kg	SC-027	1 / 5	0.0016 - 0.0018	0.016	N/A	37 N	N/A	N/A	N	BSL
	106-46-7	1,4-Dichlorobenzene	0.0022	0.0022	mg/Kg	SC-027	1 / 5	0.0016 - 0.0018	0.0022	N/A	3.4 C	N/A	N/A	N	BSL
	67-64-1	Acetone	0.0033 J	0.0054 J	mg/Kg	SC-031	5 / 5	N/A	0.0054	N/A	160 N	N/A	N/A	N	BSL
	75-09-2	Methylene chloride	0.0018 J	0.0031 J	mg/Kg	SC-029	5 / 5	N/A	0.0031	N/A	9.1 C	N/A	N/A	N	BSL
	91-57-6	2-Methylnaphthalene	0.1 J	0.1 J	mg/Kg	SC-030	1 / 5	0.056 - 0.058	0.10	N/A	5.6 N	N/A	N/A	N	BSL
	83-32-9	Acenaphthene	0.018 J	0.44	mg/Kg	SC-030	2 / 5	0.056 - 0.058	0.44	N/A	370 N	N/A	N/A	N	BSL
	208-96-8	Acenaphthylene	0.017 J	0.057 J	mg/Kg	SC-030	5 / 5	N/A	0.057	N/A	5.6 N	N/A	N/A	N	BSL
	120-12-7	Anthracene	0.022 J	1.1	mg/Kg	SC-030	5 / 5	N/A	1.1	N/A	2200 N	N/A	N/A	N	BSL
	56-55-3	Benzo (a) anthracene	0.074	1.6	mg/Kg	SC-030	5 / 5	N/A	1.6	N/A	0.62 C	N/A	N/A	Y	ASL
	50-32-8	Benzo (a) pyrene	0.07	1.1	mg/Kg	SC-030	5 / 5	N/A	1.1	N/A	0.062 C	N/A	N/A	Y	ASL
	205-99-2	Benzo (b) fluoranthene	0.059	1.1	mg/Kg	SC-030	5 / 5	N/A	1.1	N/A	0.62 C	N/A	N/A	Y	ASL
	191-24-2	Benzo (g,h,i) perylene	0.045 J	0.43	mg/Kg	SC-030	5 / 5	N/A	0.43	N/A	5.6 N	N/A	N/A	N	BSL
	207-08-9	Benzo (k) fluoranthene	0.053 J	0.78	mg/Kg	SC-030	5 / 5	N/A	0.78	N/A	6.2 C	N/A	N/A	N	BSL
	92-52-4	Biphenyl	0.031 J	0.031 J	mg/Kg	SC-030	1 / 5	0.056 - 0.058	0.031	N/A	35 N	N/A	N/A	N	BSL
	117-81-7	bis(2-Ethylhexyl)phthalate	0.047 J	0.071 J	mg/Kg	SC-027	5 / 5	N/A	0.071	N/A	35 C	N/A	N/A	N	BSL
	86-74-8	Carbazole	0.012 J	0.57	mg/Kg	SC-030	3 / 5	0.058	0.57	N/A	24 C	N/A	N/A	N	BSL
	218-01-9	Chrysene	0.075	1.4	mg/Kg	SC-030	5 / 5	N/A	1.4	N/A	62 C	N/A	N/A	N	BSL
	53-70-3	Dibenz (a,h) anthracene	0.014 J	0.17	mg/Kg	SC-030	4 / 5	0.058	0.17	N/A	0.062 C	N/A	N/A	Y	ASL
	132-64-9	Dibenzofuran	0.012 J	0.34	mg/Kg	SC-030	2 / 5	0.056 - 0.058	0.34	N/A	29 N	N/A	N/A	N	BSL
	84-66-2	Diethylphthalate	0.014 J	0.016 J	mg/Kg	SC-027	2 / 5	0.056 - 0.058	0.016	N/A	4900 N	N/A	N/A	N	BSL
	84-74-2	Di-n-butylphthalate	0.016 J	0.023 J	mg/Kg	SC-029	4 / 5	0.057	0.023	N/A	610 N	N/A	N/A	N	BSL
	206-44-0	Fluoranthene	0.12	3.8	mg/Kg	SC-030	5 / 5	N/A	3.8	N/A	230 N	N/A	N/A	N	BSL
	86-73-7	Fluorene	0.022 J	0.42	mg/Kg	SC-030	2 / 5	0.056 - 0.058	0.42	N/A	270 N	N/A	N/A	N	BSL
	193-39-5	Indeno (1,2,3-cd) pyrene	0.035 J	0.43	mg/Kg	SC-030	5 / 5	N/A	0.43	N/A	0.62 C	N/A	N/A	N	BSL
	91-20-3	Naphthalene	0.013 J	0.13	mg/Kg	SC-030	5 / 5	N/A	0.13	N/A	5.6 N	N/A	N/A	N	BSL
	85-01-8	Phenanthrene	0.07	5.2	mg/Kg	SC-030	5 / 5	N/A	5.2	N/A	5.6 N	N/A	N/A	N	BSL
	129-00-0	Pyrene	0.14	3.1 J	mg/Kg	SC-030	5 / 5	N/A	3.1	N/A	230 N	N/A	N/A	N	BSL
	1746-01-6	Dioxin TEQ	0.000026	0.000081	mg/Kg	SC-028	5 / 5	N/A	0.000081	N/A	3.9E-06 C	N/A	N/A	Y	ASL
	7429-90-5	Aluminum	6200	8400	mg/Kg	SC-031	5 / 5	N/A	8400	N/A	N/A	N/A	N/A	N	NTX
	7440-36-0	Antimony	0.34	0.52	mg/Kg	SC-031	5 / 5	N/A	0.52	N/A	3.1 N	N/A	N/A	N	BSL
	7440-38-2	Arsenic	2.9	4.7	mg/Kg	SC-027	5 / 5	N/A	4.7	N/A	0.39 C	N/A	N/A	Y	ASL
	7440-39-3	Barium	35	38	mg/Kg	SC-027	5 / 5	N/A	38	N/A	540 N	N/A	N/A	N	BSL
	7440-41-7	Beryllium	0.22	0.28	mg/Kg	SC-027	5 / 5	N/A	0.28	N/A	15 N	N/A	N/A	N	BSL
	7440-43-9	Cadmium	0.55	1.6	mg/Kg	SC-029	5 / 5	N/A	1.6	N/A	3.7 N	N/A	N/A	N	BSL
	7440-70-2	Calcium	4400	10000	mg/Kg	SC-031	5 / 5	N/A	10000	N/A	N/A	N/A	N/A	N	NUT
	7440-47-3	Chromium	350	960	mg/Kg	SC-031	5 / 5	N/A	960	N/A	10000 N	N/A	N/A	N	BSL
	7440-48-4	Cobalt	7	9	mg/Kg	SC-029	5 / 5	N/A	9.0	N/A	N/A	N/A	N/A	N	NTX

TABLE 1
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (N/C) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
	7440-50-8	Copper	18	21	mg/Kg	SC-031	5 / 5	N/A	21	N/A	N/A	N/A	N/A	N	NTX
	7439-89-6	Iron	15000	20000	mg/Kg	SC-029	5 / 5	N/A	20000	N/A	N/A	N/A	N/A	N	NUT
	7439-92-1	Lead	28	46	mg/Kg	SC-031	5 / 5	N/A	46	N/A	N/A	N/A	N/A	N	BSL
	7439-95-4	Magnesium	3200	4200	mg/Kg	SC-031	5 / 5	N/A	4200	N/A	N/A	N/A	N/A	N	NUT
	7439-96-5	Manganese	400	540	mg/Kg	SC-029	5 / 5	N/A	540	N/A	180 N	N/A	N/A	Y	ASL
	7439-97-6	Mercury	0.22	0.79	mg/Kg	SC-029	5 / 5	N/A	0.79	N/A	0.61 N	N/A	N/A	Y	ASL
	7440-02-0	Nickel	14	17	mg/Kg	SC-029	5 / 5	N/A	17	N/A	160 N	N/A	N/A	N	BSL
	7440-09-7	Potassium	370	460	mg/Kg	SC-030	5 / 5	N/A	460	N/A	N/A	N/A	N/A	N	NUT
	7782-49-2	Selenium	0.34	0.34	mg/Kg	SC-027	1 / 5	0.34 - 0.38	0.34	N/A	39 N	N/A	N/A	N	BSL
	7440-22-4	Silver	0.12	0.19	mg/Kg	SC-028	5 / 5	N/A	0.19	N/A	39 N	N/A	N/A	N	BSL
	7440-23-5	Sodium	29	42	mg/Kg	SC-031	5 / 5	N/A	42	N/A	N/A	N/A	N/A	N	NUT
	7440-28-0	Thallium	0.069	0.15	mg/Kg	SC-027	5 / 5	N/A	0.15	N/A	0.52 N	N/A	N/A	N	BSL
	7440-62-2	Vanadium	7.2	9.7	mg/Kg	SC-029	5 / 5	N/A	9.7	N/A	55 N	N/A	N/A	N	BSL
	7440-66-6	Zinc	68	86	mg/Kg	SC-031	5 / 5	N/A	86	N/A	2300 N	N/A	N/A	N	BSL

(1) Minimum/maximum detected concentration.
(2) Maximum concentration used for screening.
(3) Refer to supporting information for background discussion.
(4) USEPA Region 9 PRGs for residential soil (adjusted to an hazard quotient = 0.1 for noncarcinogens), October 1, 2002.
PRG for chromium III used for chromium.
PRG for methylmercury used for mercury.
The most conservative PRG for all noncarcinogenic PAHs has been used for 2-methylnaphthalene, acenaphthylene, benzo(g,h,i)perylene and phenanthrene.
(5) Rationale Codes:
Selection Reason: Above Screening Levels (ASL)
No Screening Level (NSL)
Deletion Reason: No Toxicity Information (NTX)
Essential Nutrient (NUT)
Frequency of Detection (FOD)
Below Screening Level (BSL)

Definitions:
COPC = Chemical of Potential Concern
ARAR/TBC = Applicable or Relevant and Appropriate Requirement/To Be Considered
PRG = Preliminary Remedial Goal
N/A = Not Applicable or Not Available
J = Estimated Value
C = Carcinogenic
N = Non-Carcinogenic
SSL = Soil Screening Level

TABLE 2.RME

EXPOSURE POINT CONCENTRATION SUMMARY

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point (1)	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution) (2)	Maximum Concentration (Qualifier)	Exposure Point Concentration			
						Value	Units	Statistic (3)	Rationale (4)
SC-022 to SC-026									
	Benzo (a) pyrene	mg/kg	1.1E-01	1.4E-01 (N)	1.6E-01	1.4E-01	mg/kg	95% UCL - N	(d)
	Dioxin TEQ	mg/kg	3.1E-05	3.8E-05 (N)	4.3E-05	3.8E-05	mg/kg	95% UCL - N	(d)
	Arsenic	mg/kg	3.5E+00	3.9E+00 (N)	4.0E+00	3.9E+00	mg/kg	95% UCL - N	(d)
	Manganese	mg/kg	4.7E+02	5.5E+02 (N)	6.1E+02	5.5E+02	mg/kg	95% UCL - N	(d)
SC-027 to SC-031									
	Benzo (a) anthracene	mg/kg	4.1E-01	1.1E+00 (T)	1.6E+00	1.1E+00	mg/kg	95% UCL - T	(e)
	Benzo (a) pyrene	mg/kg	3.0E-01	2.3E+00 (NP)	1.1E+00	1.1E+00	mg/kg	Max	(g)
	Benzo (b) fluoranthene	mg/kg	3.0E-01	7.7E-01 (T)	1.1E+00	7.7E-01	mg/kg	95% UCL - T	(e)
	Dibenz (a,h) anthracene	mg/kg	5.0E-02	1.3E-01 (T)	1.7E-01	1.3E-01	mg/kg	95% UCL - T	(e)
	Dioxin TEQ	mg/kg	4.9E-05	6.9E-05 (N)	8.1E-05	6.9E-05	mg/kg	95% UCL - N	(d)
	Arsenic	mg/kg	3.7E+00	4.4E+00 (N)	4.7E+00	4.4E+00	mg/kg	95% UCL - N	(d)
	Manganese	mg/kg	4.9E+02	5.5E+02 (N)	5.4E+02	5.4E+02	mg/kg	Max	(g)
	Mercury	mg/kg	4.1E-01	6.2E-01 (N)	7.9E-01	6.2E-01	mg/kg	95% UCL - N	(d)

(1) Only COPCs selected on Table 1 and detected at each exposure point appear.
(2) T - Transformed; N - Normal; NP - Non-parametric; G - Gamma; <4 - sample size too small to calculate 95% UCL
(3) Statistics: Maximum Detected Value (Max); 95% UCL of Transformed Data (95% UCL - T); 95% UCL of Normal Data (95% UCL - N); 95% UCL of Non-parametric Data (95% UCL - NP); 95% UCL of Gamma Distributed Data (95% UCL - G); Arithmetic Mean (Mean)
(4) Rationale:

(a) Due to small sample size (<4), the maximum detected concentration is used.
(b) When the maximum detected concentration is selected as the RME EPC, the arithmetic mean concentration is selected as the CT EPC.
(c) If the arithmetic mean concentration equals or exceeds the maximum detected concentration, the maximum detected concentration is used as the CT EPC.
(d) Shapiro-Wilk W Test or Lilliefors Test indicates data are normally distributed.
(e) Shapiro-Wilk W Test or Lilliefors Test indicates data are log-normally distributed.
(f) Shapiro-Wilk W Test or Lilliefors Test indicates data are neither normally nor log-normally distributed.
(g) 95% UCL exceeds maximum detected concentration. Therefore, maximum concentration used for EPC
(h) A-D Test and/or K-S Test indicates data are gamma distributed.

J = Estimated Concentration
Max = Maximum Detected Concentration
N/A = Not Applicable
UCL = Upper Confidence Limit
EPC = Exposure Point Concentration
RME = Reasonable Maximum Exposure
CT = Central Tendency

TABLE 2.CT

EXPOSURE POINT CONCENTRATION SUMMARY

CENTRAL TENDENCY EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point (1)	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution) (2)	Maximum Concentration (Qualifier)	Exposure Point Concentration Value	Units	Statistic (3)	Rationale (4)
SC-022 to SC-026									
	Benzo (a) pyrene	mg/kg	1.1E-01	1.4E-01 (N)	1.6E-01	1.4E-01	mg/kg	95% UCL - N	(d)
	Dioxin TEQ	mg/kg	3.1E-05	3.8E-05 (N)	4.3E-05	3.8E-05	mg/kg	95% UCL - N	(d)
	Arsenic	mg/kg	3.5E+00	3.9E+00 (N)	4.0E+00	3.9E+00	mg/kg	95% UCL - N	(d)
	Manganese	mg/kg	4.7E+02	5.5E+02 (N)	6.1E+02	5.5E+02	mg/kg	95% UCL - N	(d)
SC-027 to SC-031									
	Benzo (a) anthracene	mg/kg	4.1E-01	1.1E+00 (T)	1.6E+00	1.1E+00	mg/kg	95% UCL - T	(e)
	Benzo (a) pyrene	mg/kg	3.0E-01	2.3E+00 (NP)	1.1E+00	3.0E-01	mg/kg	Mean	(b)
	Benzo (b) fluoranthene	mg/kg	3.0E-01	7.7E-01 (T)	1.1E+00	7.7E-01	mg/kg	95% UCL - T	(e)
	Dibenz (a,h) anthracene	mg/kg	5.0E-02	1.3E-01 (T)	1.7E-01	1.3E-01	mg/kg	95% UCL - T	(e)
	Dioxin TEQ	mg/kg	4.9E-05	6.9E-05 (N)	8.1E-05	6.9E-05	mg/kg	95% UCL - N	(d)
	Arsenic	mg/kg	3.7E+00	4.4E+00 (N)	4.7E+00	4.4E+00	mg/kg	95% UCL - N	(d)
	Manganese	mg/kg	4.9E+02	5.5E+02 (N)	5.4E+02	4.9E+02	mg/kg	Mean	(b)
	Mercury	mg/kg	4.1E-01	6.2E-01 (N)	7.9E-01	6.2E-01	mg/kg	95% UCL - N	(d)

(1) Only COPCs selected on Table 1 and detected at each exposure point appear.
(2) T - Transformed; N - Normal; NP - Non-parametric; G - Gamma; <4 - sample size too small to calculate 95% UCL
(3) Statistics: Maximum Detected Value (Max); 95% UCL of Transformed Data (95% UCL - T); 95% UCL of Normal Data (95% UCL - N); 95% UCL of Non-parametric Data (95% UCL - NP); 95% UCL of Gamma Distributed Data (95% UCL - G); Arithmetic Mean (Mean)
(4) Rationale:

(a) Due to small sample size (<4), the maximum detected concentration is used.
(b) When the maximum detected concentration is selected as the RME EPC, the arithmetic mean concentration is selected as the CT EPC.
(c) If the arithmetic mean concentration equals or exceeds the maximum detected concentration, the maximum detected concentration is used as the CT EPC.
(d) Shapiro-Wilk W Test or Lilliefors Test indicates data are normally distributed.
(e) Shapiro-Wilk W Test or Lilliefors Test indicates data are log-normally distributed.
(f) Shapiro-Wilk W Test or Lilliefors Test indicates data are neither normally nor log-normally distributed.
(g) 95% UCL exceeds maximum detected concentration. Therefore, maximum concentration used for EPC
(h) A-D Test and/or K-S Test indicates data are gamma distributed.

J = Estimated Concentration
Max = Maximum Detected Concentration
N/A = Not Applicable
UCL = Upper Confidence Limit
EPC = Exposure Point Concentration
RME = Reasonable Maximum Exposure
CT = Central Tendency

TABLE 3.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future

Medium: Soil

Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.RME	mg/kg	see Table 2.RME	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR	Ingestion Rate of Soil	100	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF / BW x AT
				FI	Fraction Ingested	1	unitless	Prof. Judgement	
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	24	years	USEPA, 1994b	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	8,760	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	
		Young Child	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.RME	mg/kg	see Table 2.RME	Chronic Daily Intake (CDI) (mg/kg-day) =
		(ages 1-6)		IR	Ingestion Rate of Soil	200	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF / BW x AT
				FI	Fraction Ingested	1	unitless	Prof. Judgement	
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	6	years	USEPA, 1994b	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	

TABLE 3.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Dermal	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.RME	mg/kg	see Table 2.RME	CDI (mg/kg-day) =
				SA	Skin Surface Area Available for Contact	5,700	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF
				AF	Skin Adherence Factor	0.07	mg/cm^2-day	USEPA, 2001b	BW x AT
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	24	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	- -	- -	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	8,760	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	
		Young Child	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.RME	mg/kg	see Table 2.RME	CDI (mg/kg-day) =
		(ages 1-6)		SA	Skin Surface Area Available for Contact	2,800	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF
				AF	Skin Adherence Factor	0.2	mg/cm^2-day	USEPA, 2001b	BW x AT
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	6	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	- -	- -	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	

Adult SA term assumes exposure to face, forearms, hands, and lower legs.

Adult AF term is geometric mean value for adult gardeners.

Young child SA term assumes exposure to face, forearms, hands, lower legs, and feet.

Young child AF term is geometric mean value for children playing in wet soil.

TABLE 3.CT

VALUES USED FOR DAILY INTAKE CALCULATIONS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR	Ingestion Rate of Soil	50	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF / BW x AT
				FI	Fraction Ingested	1	unitless	Prof. Judgement	
				EF	Exposure Frequency	56	days/year	Prof. Judgement	
				ED	Exposure Duration	7	years	USEPA, 1994b	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,555	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	
		Young Child	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	Chronic Daily Intake (CDI) (mg/kg-day) =
		(ages 1-6)		IR	Ingestion Rate of Soil	100	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF / BW x AT
				FI	Fraction Ingested	1	unitless	Prof. Judgement	
				EF	Exposure Frequency	56	days/year	Prof. Judgement	
				ED	Exposure Duration	2	years	USEPA, 1994b	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	730	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	

TABLE 3.CT

VALUES USED FOR DAILY INTAKE CALCULATIONS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Dermal	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	CDI (mg/kg-day) =
				SA	Skin Surface Area Available for Contact	5,700	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF
				AF	Skin Adherence Factor	0.07	mg/cm^2-day	USEPA, 2001b	BW x AT
				EF	Exposure Frequency	56	days/year	Prof. Judgement	
				ED	Exposure Duration	7	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	- -	- -	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,555	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	
		Young Child	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	CDI (mg/kg-day) =
		(ages 1-6)		SA	Skin Surface Area Available for Contact	2,800	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF
				AF	Skin Adherence Factor	0.2	mg/cm^2-day	USEPA, 2001b	BW x AT
				EF	Exposure Frequency	56	days/year	Prof. Judgement	
				ED	Exposure Duration	2	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	- -	- -	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	730	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	

Adult SA term assumes exposure to face, forearms, hands, and lower legs.

Adult AF term is geometric mean value for adult gardeners.

Young child SA term assumes exposure to face, forearms, hands, lower legs, and feet.

Young child AF term is geometric mean value for children playing in wet soil.

TABLE 4

NON-CANCER TOXICITY DATA -- ORAL/DERMAL

POWNAL TANNERY - SOIL REUSE

Chemical of Potential Concern	Chronic/ Subchronic	Oral RfD		Oral Absorption Efficiency for Dermal (1)	Absorbed RfD for Dermal		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfD:Target Organ(s)	
		Value	Units		Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Benzo(a)anthracene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo(a)pyrene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo(b)fluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibenz(a,h)anthracene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxin TEQ	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arsenic	Chronic	3E-04	mg/kg-day	(4)	3E-04	mg/kg-day	Skin	3	IRIS	04/01/04
Cadmium (food)	Chronic	1E-03	mg/kg-day	0.025	3E-05	mg/kg-day	Kidney	10	IRIS	04/01/04
Manganese (other media)	Chronic	7E-02	mg/kg-day	0.04	2.8E-03	mg/kg-day	Nervous System	1	IRIS	04/01/04
Mercury (organic)	Chronic	1E-04	mg/kg-day	(4)	1E-04	mg/kg-day	Nervous System	10	IRIS	04/01/04

(1) Oral absorption efficiencies from RAGS, Part E (USEPA, 2001b).

(2) Calculated as: (oral RfD) x (oral to dermal adjustment factor).

(3) RfDs for managanese are based on total allowable intake (10 mg/day) minus the background intake (5 mg/day). The remaining intake (5 mg/day) is divided by 70 kg.

RfD for mercury (organic) based on methylmercury.

(4) Oral absorption efficiency exceeds 50%. No adjustment of the oral reference dose is necessary.

IRIS = Integrated Risk Information System

N/A = Not Applicable

TABLE 5

CANCER TOXICITY DATA -- ORAL/DERMAL

POWNAL TANNERY - SOIL REUSE

Chemical of Potential Concern	Oral Cancer Slope Factor		Oral Absorption Efficiency for Dermal	Absorbed Cancer Slope Factor for Dermal		Weight of Evidence/ Cancer Guideline Description	Oral CSF	
	Value	Units	(1)	Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Benzo(a)anthracene	7.3E-01	$(mg/kg\text{-}day)^{-1}$	(1)	7.3E-01	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	04/01/04
Benzo(a)pyrene	7.3E+00	$(mg/kg\text{-}day)^{-1}$	(1)	7.3E+00	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	04/01/04
Benzo(b)fluoranthene	7.3E-01	$(mg/kg\text{-}day)^{-1}$	(1)	7.3E-01	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	04/01/04
Dibenz(a,h)anthracene	7.3E+00	$(mg/kg\text{-}day)^{-1}$	(1)	7.3E+00	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	04/01/04
Dioxin TEQ	1.5E+05	$(mg/kg\text{-}day)^{-1}$	(1)	1.5E+05	$(mg/kg\text{-}day)^{-1}$	B2	HEAST	07/01/97
Arsenic	1.5E+00	$(mg/kg\text{-}day)^{-1}$	(1)	1.5E+00	$(mg/kg\text{-}day)^{-1}$	A	IRIS	04/01/04
Cadmium	N/A	N/A	N/A	N/A	N/A	D	IRIS	04/01/04
Manganese	N/A	N/A	N/A	N/A	N/A	D	IRIS	04/01/04
Mercury (organic)	N/A	N/A	N/A	N/A	N/A	C	IRIS	04/01/04

IRIS = Integrated Risk Information System

HEAST = Health Effects Assessment Summary Tables

N/A = Not Applicable

Slope factor for benzo(a)pyrene, along with the appropriate relative potency factor (USEPA, 1993), used for the other carcinogenic PAHs.

Weight of evidence for mercury (organic) based on methylmercury.

(1) Oral absorption efficiency exceeds 50%. Therefore, no adjustment of the oral slope factor is necessary.

EPA Group:

A - Human carcinogen

B1 - Probable human carcinogen - indicates that limited human data are available

B2 - Probable human carcinogen - indicates sufficient evidence in animals and inadequate or no evidence in humans

C - Possible human carcinogen

D - Not classifiable as a human carcinogen (by the oral route)

E - Evidence of noncarcinogenicity

TABLE 6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Surface Soil	SC-022 to SC-026	Ingestion													
				Benzo(a)pyrene	1E-01	mg/kg	2.1E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.5E-07	6.1E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	4E-05	mg/kg	5.6E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	8.5E-07	1.6E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	5.9E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	8.8E-07	1.7E-06	mg/kg-day	3.0E-04	mg/kg-day	5.7E-03
				Manganese	6E+02	mg/kg	8.3E-05	mg/kg-day	N/A	N/A	N/A	2.4E-04	mg/kg-day	7.0E-02	mg/kg-day	3.5E-03
			Exp. Route Total								2E-06					9E-03
			Dermal													
				Benzo(a)pyrene	1E-01	mg/kg	1.1E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	7.9E-08	3.1E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	4E-05	mg/kg	6.8E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.0E-07	2.0E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	7.0E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.1E-07	2.1E-07	mg/kg-day	3.0E-04	mg/kg-day	6.8E-04
			Exp. Route Total								3E-07					7E-04
		Exposure Point Total									2E-06					1E-02
		SC-027 to SC-031	Ingestion													
				Benzo(a)anthracene	1E+00	mg/kg	1.6E-07	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	1.2E-07	4.6E-07	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	1E+00	mg/kg	1.7E-07	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.2E-06	4.8E-07	mg/kg-day	N/A	N/A	N/A
				Benzo(b)fluoranthene	8E-01	mg/kg	1.2E-07	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	8.5E-08	3.4E-07	mg/kg-day	N/A	N/A	N/A
				Dibenz(a,h)anthracene	1E-01	mg/kg	1.9E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.4E-07	5.5E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-05	mg/kg	1.0E-11	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.6E-06	3.0E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	6.6E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.0E-06	1.9E-06	mg/kg-day	3.0E-04	mg/kg-day	6.5E-03
				Manganese	5E+02	mg/kg	8.1E-05	mg/kg-day	N/A	N/A	N/A	2.4E-04	mg/kg-day	7.0E-02	mg/kg-day	3.4E-03
				Mercury	6E-01	mg/kg	9.3E-08	mg/kg-day	N/A	N/A	N/A	2.7E-07	mg/kg-day	1.0E-04	mg/kg-day	2.7E-03
			Exp. Route Total								4E-06					1E-02
			Dermal													
				Benzo(a)anthracene	1E+00	mg/kg	8.2E-08	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	6.0E-08	2.4E-07	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	1E+00	mg/kg	8.6E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	6.3E-07	2.5E-07	mg/kg-day	N/A	N/A	N/A
				Benzo(b)fluoranthene	8E-01	mg/kg	6.0E-08	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	4.4E-08	1.8E-07	mg/kg-day	N/A	N/A	N/A
				Dibenz(a,h)anthracene	1E-01	mg/kg	9.8E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	7.2E-08	2.9E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-05	mg/kg	1.2E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.9E-07	3.6E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	8.0E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.2E-07	2.3E-07	mg/kg-day	3.0E-04	mg/kg-day	7.7E-04
			Exp. Route Total								1E-06					8E-04
		Exposure Point Total									5E-06					1E-02
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 6.CT

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Surface Soil	SC-022 to SC-026	Ingestion													
				Benzo(a)pyrene	1E-01	mg/kg	1.5E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.1E-08	1.5E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	4E-05	mg/kg	4.1E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	6.2E-08	4.1E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	4.3E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	6.4E-08	4.3E-07	mg/kg-day	3.0E-04	mg/kg-day	1.4E-03
				Manganese	6E+02	mg/kg	6.0E-06	mg/kg-day	N/A	N/A	N/A	6.0E-05	mg/kg-day	7.0E-02	mg/kg-day	8.6E-04
			Exp. Route Total								1E-07					2E-03
			Dermal													
				Benzo(a)pyrene	1E-01	mg/kg	1.6E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.1E-08	1.6E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	4E-05	mg/kg	9.8E-14	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.5E-08	9.8E-13	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.0E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.5E-08	1.0E-07	mg/kg-day	3.0E-04	mg/kg-day	3.4E-04
			Exp. Route Total								4E-08					3E-04
		Exposure Point Total									2E-07					3E-03
		SC-027 to SC-031	Ingestion													
				Benzo(a)anthracene	1E+00	mg/kg	1.2E-08	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	8.4E-09	1.2E-07	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	3E-01	mg/kg	3.3E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.4E-08	3.3E-08	mg/kg-day	N/A	N/A	N/A
				Benzo(b)fluoranthene	8E-01	mg/kg	8.5E-09	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	6.2E-09	8.5E-08	mg/kg-day	N/A	N/A	N/A
				Dibenz(a,h)anthracene	1E-01	mg/kg	1.4E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.0E-08	1.4E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-05	mg/kg	7.6E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.1E-07	7.6E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	4.8E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	7.3E-08	4.8E-07	mg/kg-day	3.0E-04	mg/kg-day	1.6E-03
				Manganese	5E+02	mg/kg	5.4E-06	mg/kg-day	N/A	N/A	N/A	5.4E-05	mg/kg-day	7.0E-02	mg/kg-day	7.7E-04
				Mercury	6E-01	mg/kg	6.8E-09	mg/kg-day	N/A	N/A	N/A	6.8E-08	mg/kg-day	1.0E-04	mg/kg-day	6.8E-04
			Exp. Route Total								2E-07					3E-03
			Dermal													
				Benzo(a)anthracene	1E+00	mg/kg	1.2E-08	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	8.8E-09	1.2E-07	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	3E-01	mg/kg	3.4E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.5E-08	3.4E-08	mg/kg-day	N/A	N/A	N/A
				Benzo(b)fluoranthene	8E-01	mg/kg	8.8E-09	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	6.4E-09	8.8E-08	mg/kg-day	N/A	N/A	N/A
				Dibenz(a,h)anthracene	1E-01	mg/kg	1.4E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.0E-08	1.4E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-05	mg/kg	1.8E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	2.7E-08	1.8E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.2E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.7E-08	1.2E-07	mg/kg-day	3.0E-04	mg/kg-day	3.9E-04
			Exp. Route Total								1E-07					4E-04
		Exposure Point Total									3E-07					3E-03
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Surface Soil	SC-022 to SC-026	Ingestion													
				Benzo(a)pyrene	1E-01	mg/kg	4.8E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	3.5E-07	5.7E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	4E-05	mg/kg	1.3E-11	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	2.0E-06	1.5E-10	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.4E-06	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	2.1E-06	1.6E-05	mg/kg-day	3.0E-04	mg/kg-day	5.3E-02
				Manganese	6E+02	mg/kg	1.9E-04	mg/kg-day	N/A	N/A	N/A	2.3E-03	mg/kg-day	7.0E-02	mg/kg-day	3.2E-02
			Exp. Route Total								4E-06					9E-02
			Dermal													
				Benzo(a)pyrene	1E-01	mg/kg	1.8E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.3E-07	2.1E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	4E-05	mg/kg	1.1E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.7E-07	1.3E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.2E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.7E-07	1.3E-06	mg/kg-day	3.0E-04	mg/kg-day	4.5E-03
			Exp. Route Total								5E-07					4E-03
		Exposure Point Total									5E-06					9E-02
		SC-027 to SC-031	Ingestion													
				Benzo(a)anthracene	1E+00	mg/kg	3.7E-07	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	2.7E-07	4.3E-06	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	1E+00	mg/kg	3.9E-07	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.8E-06	4.5E-06	mg/kg-day	N/A	N/A	N/A
				Benzo(b)fluoranthene	8E-01	mg/kg	2.7E-07	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	2.0E-07	3.2E-06	mg/kg-day	N/A	N/A	N/A
				Dibenz(a,h)anthracene	1E-01	mg/kg	4.4E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	3.2E-07	5.2E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-05	mg/kg	2.4E-11	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	3.7E-06	2.8E-10	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.6E-06	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	2.3E-06	1.8E-05	mg/kg-day	3.0E-04	mg/kg-day	6.0E-02
				Manganese	5E+02	mg/kg	1.9E-04	mg/kg-day	N/A	N/A	N/A	2.2E-03	mg/kg-day	7.0E-02	mg/kg-day	3.2E-02
				Mercury	6E-01	mg/kg	2.2E-07	mg/kg-day	N/A	N/A	N/A	2.5E-06	mg/kg-day	1.0E-04	mg/kg-day	2.5E-02
			Exp. Route Total								1E-05					1E-01
			Dermal													
				Benzo(a)anthracene	1E+00	mg/kg	1.3E-07	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	9.8E-08	1.6E-06	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	1E+00	mg/kg	1.4E-07	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.0E-06	1.6E-06	mg/kg-day	N/A	N/A	N/A
				Benzo(b)fluoranthene	8E-01	mg/kg	9.9E-08	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	7.2E-08	1.2E-06	mg/kg-day	N/A	N/A	N/A
				Dibenz(a,h)anthracene	1E-01	mg/kg	1.6E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.2E-07	1.9E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-05	mg/kg	2.0E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	3.1E-07	2.4E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.3E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	2.0E-07	1.5E-06	mg/kg-day	3.0E-04	mg/kg-day	5.1E-03
			Exp. Route Total								2E-06					5E-03
		Exposure Point Total									1E-05					1E-01
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 7.CT

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Surface Soil	SC-022 to SC-026	Ingestion													
				Benzo(a)pyrene	1E-01	mg/kg	4.0E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.9E-08	1.4E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	4E-05	mg/kg	1.1E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.6E-07	3.8E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.1E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.7E-07	4.0E-06	mg/kg-day	3.0E-04	mg/kg-day	1.3E-02
				Manganese	6E+02	mg/kg	1.6E-05	mg/kg-day	N/A	N/A	N/A	5.6E-04	mg/kg-day	7.0E-02	mg/kg-day	8.1E-03
			Exp. Route Total								4E-07					2E-02
			Dermal													
				Benzo(a)pyrene	1E-01	mg/kg	2.9E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.1E-08	1.0E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	4E-05	mg/kg	1.8E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	2.8E-08	6.4E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.9E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	2.9E-08	6.7E-07	mg/kg-day	3.0E-04	mg/kg-day	2.2E-03
			Exp. Route Total								8E-08					2E-03
		Exposure Point Total									4E-07					2E-02
		SC-027 to SC-031	Ingestion													
				Benzo(a)anthracene	1E+00	mg/kg	3.1E-08	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	2.2E-08	1.1E-06	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	3E-01	mg/kg	8.8E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	6.4E-08	3.1E-07	mg/kg-day	N/A	N/A	N/A
				Benzo(b)fluoranthene	8E-01	mg/kg	2.3E-08	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	1.7E-08	7.9E-07	mg/kg-day	N/A	N/A	N/A
				Dibenz(a,h)anthracene	1E-01	mg/kg	3.7E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.7E-08	1.3E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-05	mg/kg	2.0E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	3.0E-07	7.1E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.3E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.9E-07	4.5E-06	mg/kg-day	3.0E-04	mg/kg-day	1.5E-02
				Manganese	5E+02	mg/kg	1.4E-05	mg/kg-day	N/A	N/A	N/A	5.0E-04	mg/kg-day	7.0E-02	mg/kg-day	7.2E-03
				Mercury	6E-01	mg/kg	1.8E-08	mg/kg-day	N/A	N/A	N/A	6.4E-07	mg/kg-day	1.0E-04	mg/kg-day	6.4E-03
			Exp. Route Total								6E-07					3E-02
			Dermal													
				Benzo(a)anthracene	1E+00	mg/kg	2.2E-08	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	1.6E-08	7.9E-07	mg/kg-day	N/A	N/A	N/A
				Benzo(a)pyrene	3E-01	mg/kg	6.4E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	4.7E-08	2.2E-07	mg/kg-day	N/A	N/A	N/A
				Benzo(b)fluoranthene	8E-01	mg/kg	1.6E-08	mg/kg-day	7.3E-01	(mg/kg-day) $^{-1}$	1.2E-08	5.8E-07	mg/kg-day	N/A	N/A	N/A
				Dibenz(a,h)anthracene	1E-01	mg/kg	2.7E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.0E-08	9.4E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-05	mg/kg	3.4E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	5.1E-08	1.2E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	2.2E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	3.3E-08	7.6E-07	mg/kg-day	3.0E-04	mg/kg-day	2.5E-03
			Exp. Route Total								2E-07					3E-03
		Exposure Point Total									8E-07					3E-02
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-022 to SC-026											
			Benzo(a)pyrene	5E-07	- -	2E-07	- -	7E-07	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	3E-06	- -	3E-07	- -	3E-06	N/A	N/A	- -	N/A	N/A
			Arsenic	3E-06	- -	3E-07	- -	3E-06	Skin	5E-02	- -	4E-03	6E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	3E-02	- -	N/A	3E-02
			Chemical Total	6E-06	- -	8E-07	- -	7E-06		9E-02	- -	4E-03	9E-02
			Radionuclide Total										
		Exposure Point Total						7E-06					9E-02
	Exposure Medium Total							7E-06					9E-02
Medium Total								7E-06					9E-02
Receptor Total								7E-06					9E-02

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 7E-06

Total Hazard Across All Media: 9E-02

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 2E-05

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	N/A
Total Liver HI =	N/A
Total Nervous System HI =	3E-02
Total Skin HI =	6E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

TABLE 8.CT

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-022 to SC-026											
			Benzo(a)pyrene	4E-08	- -	3E-08	- -	7E-08	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	2E-07	- -	4E-08	- -	3E-07	N/A	N/A	- -	N/A	N/A
			Arsenic	2E-07	- -	4E-08	- -	3E-07	Skin	1E-02	- -	2E-03	2E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	8E-03	- -	N/A	8E-03
			Chemical Total	5E-07	- -	1E-07	- -	6E-07		2E-02	- -	2E-03	2E-02
			Radionuclide Total										
		Exposure Point Total						6E-07					2E-02
	Exposure Medium Total							6E-07					2E-02
Medium Total								6E-07					2E-02
Receptor Total								6E-07					2E-02

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 6E-07

Total Hazard Across All Media: 2E-02

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 2E-06

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	N/A
Total Liver HI =	N/A
Total Nervous System HI =	8E-03
Total Skin HI =	2E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

TABLE 9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-027 to SC-031											
			Benzo(a)anthracene	4E-07	- -	2E-07	- -	5E-07	N/A	N/A	- -	N/A	N/A
			Benzo(a)pyrene	4E-06	- -	2E-06	- -	6E-06	N/A	N/A	- -	N/A	N/A
			Benzo(a)anthracene	3E-07	- -	1E-07	- -	4E-07	N/A	N/A	- -	N/A	N/A
			Benzo(a)pyrene	5E-07	- -	2E-07	- -	7E-07	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	5E-06	- -	5E-07	- -	6E-06	N/A	N/A	- -	N/A	N/A
			Arsenic	3E-06	- -	3E-07	- -	4E-06	Skin	6E-02	- -	5E-03	7E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	3E-02	- -	N/A	3E-02
			Mercury	N/A	- -	N/A	- -	N/A	Nervous System	3E-02	- -	N/A	3E-02
			Chemical Total	1E-05	- -	3E-06	- -	2E-05		1E-01	- -	5E-03	1E-01
			Radionuclide Total										
		Exposure Point Total						2E-05					1E-01
	Exposure Medium Total							2E-05					1E-01
Medium Total								2E-05					1E-01
Receptor Total								2E-05					1E-01

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 2E-05

Total Hazard Across All Media: 1E-01

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 5E-05

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	N/A
Total Liver HI =	N/A
Total Nervous System HI =	6E-02
Total Skin HI =	7E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

TABLE 9.CT

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-027 to SC-031											
			Benzo(a)anthracene	3E-08	- -	3E-08	- -	6E-08	N/A	N/A	- -	N/A	N/A
			Benzo(a)pyrene	9E-08	- -	7E-08	- -	2E-07	N/A	N/A	- -	N/A	N/A
			Benzo(a)anthracene	2E-08	- -	2E-08	- -	4E-08	N/A	N/A	- -	N/A	N/A
			Benzo(a)pyrene	4E-08	- -	3E-08	- -	7E-08	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	4E-07	- -	8E-08	- -	5E-07	N/A	N/A	- -	N/A	N/A
			Arsenic	3E-07	- -	5E-08	- -	3E-07	Skin	2E-02	- -	3E-03	2E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	7E-03	- -	N/A	7E-03
			Mercury	N/A	- -	N/A	- -	N/A	Nervous System	6E-03	- -	N/A	6E-03
			Chemical Total	9E-07	- -	3E-07	- -	1E-06		3E-02	- -	3E-03	3E-02
			Radionuclide Total										
		Exposure Point Total						1E-06					3E-02
	Exposure Medium Total							1E-06					3E-02
Medium Total								1E-06					3E-02
Receptor Total								1E-06					3E-02

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 1E-06

Total Hazard Across All Media: 3E-02

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 4E-06

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	N/A
Total Liver HI =	N/A
Total Nervous System HI =	1E-02
Total Skin HI =	2E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

Memorandum

DATE: July 19, 2004

TO: Don Dwight

FROM: Diane Silverman, Ph.D.

Sean Czarniecki, P.E.

SUBJECT: Pownal Tannery Supplemental Human Health Risk Assessment for Cover Soil Stockpiles #6 and #7

Unvalidated data are currently available for the stockpiled lagoon cover and berm soil from stockpiles #6 and #7, referred to as windrows #6 and #7 (WR #6 and WR #7). WR #6 is associated with samples SC-032 through SC-036. WR #7 is associated with sample SC-037. These lagoon cover and berm soils contain levels of contaminants of concern (COCs) slightly in excess of risk-based preliminary remediation goals (PRGs). This site-specific supplemental risk evaluation has been performed to determine whether these lagoon cover and berm soils may be used as backfill in the lagoons.

As previously described in the supplemental human health risk assessments performed on WR #1, WR #2, and WR #3 (June 22, 2004) and WR #4 and WR #5 (July 6, 2004), this supplemental risk assessment has been conducted to determine whether future human recreational exposure to these cover and berm soils would result in an exceedance of the EPA target risk range. If the risk associated with future exposure to the cover and berm soils does not exceed the EPA target risk range despite exceeding the PRGs, a defensible case may be made to re-use the cover and berm soils as on-site backfill in the lagoons.

Consistent with the June 22, 2004 and July 6, 2004 supplemental risk assessments, this supplemental risk assessment focused on potential future adult and young child exposures to soil at the lagoon areas, planned for recreational development. This scenario was selected since recreational use is the most likely future land use of the site. The supplemental risk assessment was performed using the same methods and assumptions as the baseline risk assessment. These methods and assumptions are briefly summarized in the following text and tables. Additional details can be found in the Remedial Investigation Report (July 2002) for the site.

Six composite soil samples were collected from two stockpiles (WR #6 and WR #7) and analyzed for VOCs, SVOCs, dioxins, and metals. Chromium speciation was previously performed (see June 22, 2004 memorandum) on six cover and berm soil samples from WR #1, WR #2, and WR #3 to determine the valence state(s) of chromium in soils, assumed to be chromium VI in the RI Report. The results of the chromium speciation study indicate that chromium in on-site cover and berm soils exists primarily as chromium III. Chromium VI analytical results were below Region 9 residential screening values. No additional chromium speciation analysis was performed for these two stockpiles or will be performed on future stockpiles. However, based on the results of the chromium speciation study, total chromium results for these cover and berm soils have been evaluated as chromium III. Data validation will be performed on these cover and berm soil samples but has not,

to date, been completed. Therefore, the risk calculations presented in this memorandum are based on unvalidated laboratory data.

The composite soil samples evaluated included SC-032 through SC-036 collected from one 5000-ton stockpile and SC-037 collected from one 1000-ton stockpile. Samples SC-032 through SC-036 represent sets of five 8-point composite soil samples taken from WR #6. Sample SC-037 represents one set of 8-point composite soil samples taken from WR #7. Since composite samples are taken every 1000 tons of material, only one composite sample was collected from WR #7. The two stockpiles were evaluated separately to determine whether one or both of the stockpiles may be safely reused as backfill. Summary statistics for the two stockpiles are presented on Table 1. This table also presents the screening process used to select COPCs. In order to select COPCs, a comparison between the maximum detected site concentrations and a conservative screening toxicity value is made. The Region 9 residential soil PRGs have been used as screening toxicity values. Any contaminant whose maximum detected concentration exceeds the screening value is selected as a COPC and is further evaluated in the risk assessment. Soil contaminants selected as COPCs for this evaluation include: benzo(a)pyrene, dioxins (expressed as a toxic equivalent concentration [TEQ]), arsenic, and manganese. Because total chromium (evaluated as chromium III) laboratory results were below Region 9 screening values, chromium was not selected as a COPC.

In order to evaluate the magnitude of human exposures, an exposure point concentration (EPC) must be estimated for each COPC in each stockpile. Since the Upper Confidence Limit (UCL) on the arithmetic mean is the most reliable estimate of exposure, UCLs have been calculated for each of the COPCs for WR #6. UCLs were calculated using EPA's calculation software, ProUCL version 3.0. However, for small data sets with high variability, the UCL may exceed the maximum detected concentration. In these cases, the maximum detected concentration is used to evaluate the reasonable maximum exposure (RME) scenario and the arithmetic mean concentration is used for the central tendency (CT) exposure scenario. Because only one composite sample was collected from WR #7, the maximum detected concentration of each COPC was used as the EPC for both the RME and CT scenario. Table 2 summarizes the statistic (UCL, mean or maximum) selected as the EPC for each COPC.

To estimate the carcinogenic and noncarcinogenic risk associated with potential future soil exposures, both exposure and toxicity information is needed. To quantify the extent, frequency and duration of potential human exposures, exposure assumptions are selected for the receptors of interest. Since the concern is future recreational exposures, young child and adult recreational receptors have been selected for evaluation as the most conservative of the possible recreational receptors. A complete discussion of additional exposure pathways evaluated in the baseline risk assessment can be found in the RI report along with the rationale for the recreational exposure assumptions selected. However, Table 3 has been included to provide a summary of the exposure assumptions for the adult and child recreational receptors, respectively. The toxicity values used in this evaluation are the same as those used in the baseline risk assessment since no changes have occurred to the COPC toxicity values since 2002. Further information is provided in the RI report. However, Table 4 lists the oral reference doses used to evaluate noncarcinogenic risk and Table 5 lists the oral slope factors used to evaluate carcinogenic risk.

Risk estimation was performed by combining the toxicity and exposure information as described in the baseline risk assessment. Tables 6 and 7 summarize the carcinogenic risks and noncarcinogenic hazards associated with potential soil exposures for the adult and child RME and CT receptors, respectively. Individual receptor risks are within or below the EPA risk management cancer risk range of 10^{-6} to 10^{-4}, and below the noncarcinogenic target risk of 1.

Tables 8 and 9 provide the cumulative receptor risks for the adult and child combined for the two stockpiles. Cumulative risk estimates provide the basis for risk determination at a site. Cumulative receptor carcinogenic risks are also within or below the EPA risk management cancer risk range of 10^{-6} to 10^{-4}, and noncarcinogenic risks are below the target risk of 1. This supplemental risk evaluation demonstrates that potential human recreational exposures to stockpiled cover and berm soils excavated from the lagoon areas are not associated with risk above regulatory guidelines.

TABLE 1
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (N/C) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
SC-032 to SC-036	67-64-1	Acetone	0.0018 J	0.00245 J	mg/Kg	SC-035	4 / 5	0.0017	0.0025	N/A	160 N	N/A	N/A	N	BSL
	75-09-2	Methylene chloride	0.00085 J	0.0011 J	mg/Kg	SC-036	2 / 5	0.00155 - 0.0019	0.0011	N/A	9.1 C	N/A	N/A	N	BSL
	83-32-9	Acenaphthene	0.053 J	0.053 J	mg/Kg	SC-033	1 / 5	0.105 - 0.11	0.053	N/A	370 N	N/A	N/A	N	BSL
	208-96-8	Acenaphthylene	0.048 J	0.048 J	mg/Kg	SC-033	1 / 5	0.105 - 0.11	0.048	N/A	5.6 N	N/A	N/A	N	BSL
	120-12-7	Anthracene	0.14 J	0.14 J	mg/Kg	SC-033	1 / 5	0.105 - 0.11	0.14	N/A	2200 N	N/A	N/A	N	BSL
	56-55-3	Benzo (a) anthracene	0.11 J	0.31	mg/Kg	SC-033	5 / 5	N/A	0.31	N/A	0.62 C	N/A	N/A	N	BSL
	50-32-8	Benzo (a) pyrene	0.1 J	0.32	mg/Kg	SC-033	5 / 5	N/A	0.32	N/A	0.062 C	N/A	N/A	Y	ASL
	205-99-2	Benzo (b) fluoranthene	0.076 J	0.24	mg/Kg	SC-033	5 / 5	N/A	0.24	N/A	0.62 C	N/A	N/A	N	BSL
	191-24-2	Benzo (g,h,i) perylene	0.049 J	0.19 J	mg/Kg	SC-033	5 / 5	N/A	0.19	N/A	5.6 N	N/A	N/A	N	BSL
	207-08-9	Benzo (k) fluoranthene	0.09 J	0.27	mg/Kg	SC-033	5 / 5	N/A	0.27	N/A	6.2 C	N/A	N/A	N	BSL
	117-81-7	bis(2-Ethylhexyl)phthalate	0.07 J	0.085 J	mg/Kg	SC-035	5 / 5	N/A	0.085	N/A	35 C	N/A	N/A	N	BSL
	86-74-8	Carbazole	0.083 J	0.083 J	mg/Kg	SC-033	1 / 5	0.105 - 0.11	0.083	N/A	24 C	N/A	N/A	N	BSL
	218-01-9	Chrysene	0.11 J	0.32	mg/Kg	SC-033	5 / 5	N/A	0.32	N/A	62 C	N/A	N/A	N	BSL
	53-70-3	Dibenz (a,h) anthracene	0.057 J	0.057 J	mg/Kg	SC-033	1 / 5	0.105 - 0.11	0.057	N/A	0.062 C	N/A	N/A	N	BSL
	84-74-2	Di-n-butylphthalate	0.0655 J	0.0655 J	mg/Kg	SC-035	1 / 5	0.11	0.066	N/A	610 N	N/A	N/A	N	BSL
	206-44-0	Fluoranthene	0.18 J	0.69	mg/Kg	SC-033	5 / 5	N/A	0.69	N/A	230 N	N/A	N/A	N	BSL
	86-73-7	Fluorene	0.057 J	0.057 J	mg/Kg	SC-033	1 / 5	0.105 - 0.11	0.057	N/A	270 N	N/A	N/A	N	BSL
	193-39-5	Indeno (1,2,3-cd) pyrene	0.049000 J	0.170000 J	mg/Kg	SC-033	5 / 5	N/A	0.17	N/A	0.62 C	N/A	N/A	N	BSL
	91-20-3	Naphthalene	0.07 J	0.07 J	mg/Kg	SC-033	1 / 5	0.105 - 0.11	0.070	N/A	5.6 N	N/A	N/A	N	BSL
	85-01-8	Phenanthrene	0.078 J	0.57	mg/Kg	SC-033	5 / 5	N/A	0.57	N/A	5.6 N	N/A	N/A	N	BSL
	129-00-0	Pyrene	0.18 J	0.6	mg/Kg	SC-033	5 / 5	N/A	0.60	N/A	230 N	N/A	N/A	N	BSL
	1746-01-6	Dioxin TEQ	0.000013	0.000023	mg/Kg	SC-032	5 / 5	N/A	0.000023	N/A	3.9E-06 C	N/A	N/A	Y	ASL
	7429-90-5	Aluminum	6700	7400	mg/Kg	SC-034	5 / 5	N/A	7400	N/A	N/A	N/A	N/A	N	NTX
	7440-36-0	Antimony	0.31	1.1	mg/Kg	SC-035	5 / 5	N/A	1.1	N/A	3.1 N	N/A	N/A	N	BSL
	7440-38-2	Arsenic	3.1	4.4	mg/Kg	SC-032	5 / 5	N/A	4.4	N/A	0.39 C	N/A	N/A	Y	ASL
	7440-39-3	Barium	32	45	mg/Kg	SC-034	5 / 5	N/A	45	N/A	540 N	N/A	N/A	N	BSL
	7440-41-7	Beryllium	0.21	0.23	mg/Kg	SC-032	5 / 5	N/A	0.23	N/A	15 N	N/A	N/A	N	BSL
	7440-43-9	Cadmium	0.42	0.62	mg/Kg	SC-032	5 / 5	N/A	0.62	N/A	3.7 N	N/A	N/A	N	BSL
	7440-70-2	Calcium	3000	4500	mg/Kg	SC-034	5 / 5	N/A	4500	N/A	N/A	N/A	N/A	N	NUT
	7440-47-3	Chromium	140	260	mg/Kg	SC-034	5 / 5	N/A	260	N/A	10000 N	N/A	N/A	N	BSL
	7440-48-4	Cobalt	7.2	9.4	mg/Kg	SC-034	5 / 5	N/A	9.4	N/A	N/A	N/A	N/A	N	NTX
	7440-50-8	Copper	18	24	mg/Kg	SC-034	5 / 5	N/A	24	N/A	N/A	N/A	N/A	N	NTX
	7439-89-6	Iron	16000	18000	mg/Kg	SC-032	5 / 5	N/A	18000	N/A	N/A	N/A	N/A	N	NUT

TABLE 1
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (N/C) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
	7439-92-1	Lead	17	26	mg/Kg	SC-036	5 / 5	N/A	26	N/A	N/A	N/A	N/A	N	BSL
	7439-95-4	Magnesium	3500	3900	mg/Kg	SC-033	5 / 5	N/A	3900	N/A	N/A	N/A	N/A	N	NUT
	7439-96-5	Manganese	430	680	mg/Kg	SC-034	5 / 5	N/A	680	N/A	180 N	N/A	N/A	Y	ASL
	7439-97-6	Mercury	0.15	0.39	mg/Kg	SC-033	5 / 5	N/A	0.39	N/A	0.61 N	N/A	N/A	N	BSL
	7440-02-0	Nickel	13	14	mg/Kg	SC-032	5 / 5	N/A	14	N/A	160 N	N/A	N/A	N	BSL
	7440-09-7	Potassium	400	450	mg/Kg	SC-035	5 / 5	N/A	450	N/A	N/A	N/A	N/A	N	NUT
	7782-49-2	Selenium	0.1	0.21	mg/Kg	SC-032	3 / 5	0.0495 - 0.06	0.21	N/A	39 N	N/A	N/A	N	BSL
	7440-22-4	Silver	0.14	0.23	mg/Kg	SC-032	5 / 5	N/A	0.23	N/A	39 N	N/A	N/A	N	BSL
	7440-23-5	Sodium	34	49	mg/Kg	SC-036	5 / 5	N/A	49	N/A	N/A	N/A	N/A	N	NUT
	7440-28-0	Thallium	0.12	0.12	mg/Kg	SC-032	1 / 5	0.0395 - 0.06	0.12	N/A	0.52 N	N/A	N/A	N	BSL
	7440-62-2	Vanadium	6.6	7.6	mg/Kg	SC-032	5 / 5	N/A	7.6	N/A	55 N	N/A	N/A	N	BSL
	7440-66-6	Zinc	62	75	mg/Kg	SC-035	5 / 5	N/A	75	N/A	2300 N	N/A	N/A	N	BSL
SC-037	95-50-1	1,2-Dichlorobenzene	0.0062	0.0062	mg/Kg	SC-037	1 / 1	N/A	0.0062	N/A	37 N	N/A	N/A	N	BSL
	106-46-7	1,4-Dichlorobenzene	0.0018	0.0018	mg/Kg	SC-037	1 / 1	N/A	0.0018	N/A	3.4 C	N/A	N/A	N	BSL
	67-64-1	Acetone	0.0022 J	0.0022 J	mg/Kg	SC-037	1 / 1	N/A	0.0022	N/A	160 N	N/A	N/A	N	BSL
	75-09-2	Methylene chloride	0.0014 J	0.0014 J	mg/Kg	SC-037	1 / 1	N/A	0.0014	N/A	9.1 C	N/A	N/A	N	BSL
	91-57-6	2-Methylnaphthalene	0.046 J	0.046 J	mg/Kg	SC-037	1 / 1	N/A	0.046	N/A	5.6 N	N/A	N/A	N	BSL
	120-12-7	Anthracene	0.092 J	0.092 J	mg/Kg	SC-037	1 / 1	N/A	0.092	N/A	2200 N	N/A	N/A	N	BSL
	56-55-3	Benzo (a) anthracene	0.24	0.24	mg/Kg	SC-037	1 / 1	N/A	0.24	N/A	0.62 C	N/A	N/A	N	BSL
	50-32-8	Benzo (a) pyrene	0.24	0.24	mg/Kg	SC-037	1 / 1	N/A	0.24	N/A	0.062 C	N/A	N/A	Y	ASL
	205-99-2	Benzo (b) fluoranthene	0.19 J	0.19 J	mg/Kg	SC-037	1 / 1	N/A	0.19	N/A	0.62 C	N/A	N/A	N	BSL
	191-24-2	Benzo (g,h,i) perylene	0.15 J	0.15 J	mg/Kg	SC-037	1 / 1	N/A	0.15	N/A	5.6 N	N/A	N/A	N	BSL
	207-08-9	Benzo (k) fluoranthene	0.21 J	0.21 J	mg/Kg	SC-037	1 / 1	N/A	0.21	N/A	6.2 C	N/A	N/A	N	BSL
	117-81-7	bis(2-Ethylhexyl)phthalate	0.075 J	0.075 J	mg/Kg	SC-037	1 / 1	N/A	0.075	N/A	35 C	N/A	N/A	N	BSL
	218-01-9	Chrysene	0.26	0.26	mg/Kg	SC-037	1 / 1	N/A	0.26	N/A	62 C	N/A	N/A	N	BSL
	53-70-3	Dibenz (a,h) anthracene	0.046 J	0.046 J	mg/Kg	SC-037	1 / 1	N/A	0.046	N/A	0.062 C	N/A	N/A	N	BSL
	206-44-0	Fluoranthene	0.48	0.48	mg/Kg	SC-037	1 / 1	N/A	0.48	N/A	230 N	N/A	N/A	N	BSL
	193-39-5	Indeno (1,2,3-cd) pyrene	0.13 J	0.13 J	mg/Kg	SC-037	1 / 1	N/A	0.13	N/A	0.62 C	N/A	N/A	N	BSL
	91-20-3	Naphthalene	0.08 J	0.08 J	mg/Kg	SC-037	1 / 1	N/A	0.080	N/A	5.6 N	N/A	N/A	N	BSL
	85-01-8	Phenanthrene	0.31	0.31	mg/Kg	SC-037	1 / 1	N/A	0.31	N/A	5.6 N	N/A	N/A	N	BSL
	129-00-0	Pyrene	0.410000	0.410000	mg/Kg	SC-037	1 / 1	N/A	0.41	N/A	230 N	N/A	N/A	N	BSL
	1746-01-6	Dioxin TEQ	0.000007	0.000007	mg/Kg	SC-037	1 / 1	N/A	0.0000070	N/A	3.9E-06 C	N/A	N/A	Y	ASL
	7429-90-5	Aluminum	6100	6100	mg/Kg	SC-037	1 / 1	N/A	6100	N/A	N/A	N/A	N/A	N	NTX
	7440-36-0	Antimony	0.45	0.45	mg/Kg	SC-037	1 / 1	N/A	0.45	N/A	3.1 N	N/A	N/A	N	BSL
	7440-38-2	Arsenic	3.6	3.6	mg/Kg	SC-037	1 / 1	N/A	3.6	N/A	0.39 C	N/A	N/A	Y	ASL
	7440-39-3	Barium	29	29	mg/Kg	SC-037	1 / 1	N/A	29	N/A	540 N	N/A	N/A	N	BSL
	7440-41-7	Beryllium	0.18	0.18	mg/Kg	SC-037	1 / 1	N/A	0.18	N/A	15 N	N/A	N/A	N	BSL
	7440-43-9	Cadmium	0.35	0.35	mg/Kg	SC-037	1 / 1	N/A	0.35	N/A	3.7 N	N/A	N/A	N	BSL

TABLE 1
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (N/C) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
	7440-70-2	Calcium	3200	3200	mg/Kg	SC-037	1 / 1	N/A	3200	N/A	N/A	N/A	N/A	N	NUT
	7440-47-3	Chromium	120	120	mg/Kg	SC-037	1 / 1	N/A	120	N/A	10000 N	N/A	N/A	N	BSL
	7440-48-4	Cobalt	6.7	6.7	mg/Kg	SC-037	1 / 1	N/A	6.7	N/A	N/A	N/A	N/A	N	NTX
	7440-50-8	Copper	20	20	mg/Kg	SC-037	1 / 1	N/A	20	N/A	N/A	N/A	N/A	N	NTX
	7439-89-6	Iron	17000	17000	mg/Kg	SC-037	1 / 1	N/A	17000	N/A	N/A	N/A	N/A	N	NUT
	7439-92-1	Lead	19	19	mg/Kg	SC-037	1 / 1	N/A	19	N/A	N/A	N/A	N/A	N	BSL
	7439-95-4	Magnesium	3600	3600	mg/Kg	SC-037	1 / 1	N/A	3600	N/A	N/A	N/A	N/A	N	NUT
	7439-96-5	Manganese	420	420	mg/Kg	SC-037	1 / 1	N/A	420	N/A	180 N	N/A	N/A	Y	ASL
	7439-97-6	Mercury	0.14	0.14	mg/Kg	SC-037	1 / 1	N/A	0.14	N/A	0.61 N	N/A	N/A	N	BSL
	7440-02-0	Nickel	12	12	mg/Kg	SC-037	1 / 1	N/A	12	N/A	160 N	N/A	N/A	N	BSL
	7440-09-7	Potassium	380	380	mg/Kg	SC-037	1 / 1	N/A	380	N/A	N/A	N/A	N/A	N	NUT
	7782-49-2	Selenium	0.098	0.098	mg/Kg	SC-037	1 / 1	N/A	0.098	N/A	39 N	N/A	N/A	N	BSL
	7440-22-4	Silver	0.16	0.16	mg/Kg	SC-037	1 / 1	N/A	0.16	N/A	39 N	N/A	N/A	N	BSL
	7440-23-5	Sodium	43	43	mg/Kg	SC-037	1 / 1	N/A	43	N/A	N/A	N/A	N/A	N	NUT
	7440-62-2	Vanadium	6.5	6.5	mg/Kg	SC-037	1 / 1	N/A	6.5	N/A	55 N	N/A	N/A	N	BSL
	7440-66-6	Zinc	69	69	mg/Kg	SC-037	1 / 1	N/A	69	N/A	2300 N	N/A	N/A	N	BSL

(1) Minimum/maximum detected concentration.
(2) Maximum concentration used for screening.
(3) Refer to supporting information for background discussion.
(4) USEPA Region 9 PRGs for residential soil (adjusted to an hazard quotient = 0.1 for noncarcinogens), October 1, 2002.
PRG for chromium III used for chromium.
PRG for methylmercury used for mercury.
The most conservative PRG for all noncarcinogenic PAHs has been used for 2-methylnaphthalene, acenaphthylene, benzo(g,h,i)perylene and phenanthrene.
(5) Rationale Codes:
Selection Reason: Above Screening Levels (ASL)
No Screening Level (NSL)
Deletion Reason: No Toxicity Information (NTX)
Essential Nutrient (NUT)
Frequency of Detection (FOD)
Below Screening Level (BSL)

Definitions:
COPC = Chemical of Potential Concern
ARAR/TBC = Applicable or Relevant and Appropriate Requirement/To Be Considered
PRG = Preliminary Remedial Goal
N/A = Not Applicable or Not Available
J = Estimated Value
C = Carcinogenic
N = Non-Carcinogenic
SSL = Soil Screening Level

TABLE 2.RME

EXPOSURE POINT CONCENTRATION SUMMARY

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point (1)	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution) (2)	Maximum Concentration (Qualifier)	Exposure Point Concentration			
						Value	Units	Statistic (3)	Rationale (4)
SC-032 to SC-036									
	Benzo (a) pyrene	mg/kg	1.6E-01	2.5E-01 (T)	3.2E-01	2.5E-01	mg/kg	95% UCL - T	(e)
	Dioxin TEQ	mg/kg	1.8E-05	2.3E-05 (N)	2.3E-05	2.3E-05	mg/kg	95% UCL - N	(d)
	Arsenic	mg/kg	3.6E+00	4.2E+00 (N)	4.4E+00	4.2E+00	mg/kg	95% UCL - N	(d)
	Manganese	mg/kg	5.1E+02	6.1E+02 (N)	6.8E+02	6.1E+02	mg/kg	95% UCL - N	(d)
SC-037									
	Benzo (a) pyrene	mg/kg	2.4E-01	N/A (<4)	2.4E-01	2.4E-01	mg/kg	Max	(a)
	Dioxin TEQ	mg/kg	7.0E-06	N/A (<4)	7.0E-06	7.0E-06	mg/kg	Max	(a)
	Arsenic	mg/kg	3.6E+00	N/A (<4)	3.6E+00	3.6E+00	mg/kg	Max	(a)
	Manganese	mg/kg	4.2E+02	N/A (<4)	4.2E+02	4.2E+02	mg/kg	Max	(a)

(1) Only COPCs selected on Table 1 and detected at each exposure point appear.
(2) T - Transformed; N - Normal; NP - Non-parametric; G - Gamma; <4 - sample size too small to calculate 95% UCL
(3) Statistics: Maximum Detected Value (Max); 95% UCL of Transformed Data (95% UCL - T); 95% UCL of Normal Data (95% UCL - N); 95% UCL of Non-parametric Data (95% UCL - NP); 95% UCL of Gamma Distributed Data (95% UCL - G); Arithmetic Mean (Mean)
(4) Rationale:

(a) Due to small sample size (<4), the maximum detected concentration is used.
(b) When the maximum detected concentration is selected as the RME EPC, the arithmetic mean concentration is selected as the CT EPC.
(c) If the arithmetic mean concentration equals or exceeds the maximum detected concentration, the maximum detected concentration is used as the CT EPC.
(d) Shapiro-Wilk W Test or Lilliefors Test indicates data are normally distributed.
(e) Shapiro-Wilk W Test or Lilliefors Test indicates data are log-normally distributed.
(f) Shapiro-Wilk W Test or Lilliefors Test indicates data are neither normally nor log-normally distributed.
(g) 95% UCL exceeds maximum detected concentration. Therefore, maximum concentration used for EPC
(h) A-D Test and/or K-S Test indicates data are gamma distributed.

J = Estimated Concentration
Max = Maximum Detected Concentration
N/A = Not Applicable
UCL = Upper Confidence Limit
EPC = Exposure Point Concentration
RME = Reasonable Maximum Exposure
CT = Central Tendency

TABLE 2.CT

EXPOSURE POINT CONCENTRATION SUMMARY

CENTRAL TENDENCY EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point (1)	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution) (2)	Maximum Concentration (Qualifier)	Exposure Point Concentration			
						Value	Units	Statistic (3)	Rationale (4)
SC-032 to SC-036									
	Benzo (a) pyrene	mg/kg	1.6E-01	2.5E-01 (T)	3.2E-01	2.5E-01	mg/kg	95% UCL - T	(e)
	Dioxin TEQ	mg/kg	1.8E-05	2.3E-05 (N)	2.3E-05	2.3E-05	mg/kg	95% UCL - N	(d)
	Arsenic	mg/kg	3.6E+00	4.2E+00 (N)	4.4E+00	4.2E+00	mg/kg	95% UCL - N	(d)
	Manganese	mg/kg	5.1E+02	6.1E+02 (N)	6.8E+02	6.1E+02	mg/kg	95% UCL - N	(d)
SC-037									
	Benzo (a) pyrene	mg/kg	2.4E-01	N/A (<4)	2.4E-01	2.4E-01	mg/kg	Max	(c)
	Dioxin TEQ	mg/kg	7.0E-06	N/A (<4)	7.0E-06	7.0E-06	mg/kg	Max	(c)
	Arsenic	mg/kg	3.6E+00	N/A (<4)	3.6E+00	3.6E+00	mg/kg	Max	(c)
	Manganese	mg/kg	4.2E+02	N/A (<4)	4.2E+02	4.2E+02	mg/kg	Max	(c)

(1) Only COPCs selected on Table 1 and detected at each exposure point appear.
(2) T - Transformed; N - Normal; NP - Non-parametric; G - Gamma; <4 - sample size too small to calculate 95% UCL
(3) Statistics: Maximum Detected Value (Max); 95% UCL of Transformed Data (95% UCL - T); 95% UCL of Normal Data (95% UCL - N); 95% UCL of Non-parametric Data (95% UCL - NP); 95% UCL of Gamma Distributed Data (95% UCL - G); Arithmetic Mean (Mean)
(4) Rationale:

(a) Due to small sample size (<4), the maximum detected concentration is used.
(b) When the maximum detected concentration is selected as the RME EPC, the arithmetic mean concentration is selected as the CT EPC.
(c) If the arithmetic mean concentration equals or exceeds the maximum detected concentration, the maximum detected concentration is used as the CT EPC.
(d) Shapiro-Wilk W Test or Lilliefors Test indicates data are normally distributed.
(e) Shapiro-Wilk W Test or Lilliefors Test indicates data are log-normally distributed.
(f) Shapiro-Wilk W Test or Lilliefors Test indicates data are neither normally nor log-normally distributed.
(g) 95% UCL exceeds maximum detected concentration. Therefore, maximum concentration used for EPC
(h) A-D Test and/or K-S Test indicates data are gamma distributed.

J = Estimated Concentration
Max = Maximum Detected Concentration
N/A = Not Applicable
UCL = Upper Confidence Limit
EPC = Exposure Point Concentration
RME = Reasonable Maximum Exposure
CT = Central Tendency

TABLE 3.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future

Medium: Soil

Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.RME	mg/kg	see Table 2.RME	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR	Ingestion Rate of Soil	100	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF / BW x AT
				FI	Fraction Ingested	1	unitless	Prof. Judgement	
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	24	years	USEPA, 1994b	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	8,760	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	
		Young Child	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.RME	mg/kg	see Table 2.RME	Chronic Daily Intake (CDI) (mg/kg-day) =
		(ages 1-6)		IR	Ingestion Rate of Soil	200	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF / BW x AT
				FI	Fraction Ingested	1	unitless	Prof. Judgement	
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	6	years	USEPA, 1994b	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	

TABLE 3.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future

Medium: Soil

Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Dermal	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.RME	mg/kg	see Table 2.RME	CDI (mg/kg-day) =
				SA	Skin Surface Area Available for Contact	5,700	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF
				AF	Skin Adherence Factor	0.07	mg/cm^2-day	USEPA, 2001b	BW x AT
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	24	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	- -	- -	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	8,760	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	
		Young Child	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.RME	mg/kg	see Table 2.RME	CDI (mg/kg-day) =
		(ages 1-6)		SA	Skin Surface Area Available for Contact	2,800	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF
				AF	Skin Adherence Factor	0.2	mg/cm^2-day	USEPA, 2001b	BW x AT
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	6	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	- -	- -	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	

Adult SA term assumes exposure to face, forearms, hands, and lower legs.

Adult AF term is geometric mean value for adult gardeners.

Young child SA term assumes exposure to face, forearms, hands, lower legs, and feet.

Young child AF term is geometric mean value for children playing in wet soil.

TABLE 3.CT

VALUES USED FOR DAILY INTAKE CALCULATIONS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR	Ingestion Rate of Soil	50	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF
				FI	Fraction Ingested	1	unitless	Prof. Judgement	BW x AT
				EF	Exposure Frequency	56	days/year	Prof. Judgement	
				ED	Exposure Duration	7	years	USEPA, 1994b	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,555	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	
		Young Child	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	Chronic Daily Intake (CDI) (mg/kg-day) =
		(ages 1-6)		IR	Ingestion Rate of Soil	100	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF
				FI	Fraction Ingested	1	unitless	Prof. Judgement	BW x AT
				EF	Exposure Frequency	56	days/year	Prof. Judgement	
				ED	Exposure Duration	2	years	USEPA, 1994b	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	730	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	

TABLE 3.CT

VALUES USED FOR DAILY INTAKE CALCULATIONS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Dermal	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	CDI (mg/kg-day) =
				SA	Skin Surface Area Available for Contact	5,700	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF
				AF	Skin Adherence Factor	0.07	mg/cm^2-day	USEPA, 2001b	BW x AT
				EF	Exposure Frequency	56	days/year	Prof. Judgement	
				ED	Exposure Duration	7	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	- -	- -	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,555	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	
		Young Child	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	CDI (mg/kg-day) =
		(ages 1-6)		SA	Skin Surface Area Available for Contact	2,800	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF
				AF	Skin Adherence Factor	0.2	mg/cm^2-day	USEPA, 2001b	BW x AT
				EF	Exposure Frequency	56	days/year	Prof. Judgement	
				ED	Exposure Duration	2	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	- -	- -	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	730	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	- -	

Adult SA term assumes exposure to face, forearms, hands, and lower legs.

Adult AF term is geometric mean value for adult gardeners.

Young child SA term assumes exposure to face, forearms, hands, lower legs, and feet.

Young child AF term is geometric mean value for children playing in wet soil.

TABLE 4

NON-CANCER TOXICITY DATA -- ORAL/DERMAL

POWNAL TANNERY - SOIL REUSE

Chemical of Potential Concern	Chronic/ Subchronic	Oral RfD		Oral Absorption Efficiency for Dermal (1)	Absorbed RfD for Dermal		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfD:Target Organ(s)	
		Value	Units		Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Benzo(a)anthracene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo(a)pyrene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo(b)fluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibenz(a,h)anthracene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxin TEQ	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arsenic	Chronic	3E-04	mg/kg-day	(4)	3E-04	mg/kg-day	Skin	3	IRIS	04/01/04
Cadmium (food)	Chronic	1E-03	mg/kg-day	0.025	3E-05	mg/kg-day	Kidney	10	IRIS	04/01/04
Manganese (other media)	Chronic	7E-02	mg/kg-day	0.04	2.8E-03	mg/kg-day	Nervous System	1	IRIS	04/01/04
Mercury (organic)	Chronic	1E-04	mg/kg-day	(4)	1E-04	mg/kg-day	Nervous System	10	IRIS	04/01/04

(1) Oral absorption efficiencies from RAGS, Part E (USEPA, 2001b).

(2) Calculated as: (oral RfD) x (oral to dermal adjustment factor).

(3) RfDs for managanese are based on total allowable intake (10 mg/day) minus the background intake (5 mg/day). The remaining intake (5 mg/day) is divided by 70 kg.

RfD for mercury (organic) based on methylmercury.

(4) Oral absorption efficiency exceeds 50%. No adjustment of the oral reference dose is necessary.

IRIS = Integrated Risk Information System

N/A = Not Applicable

TABLE 5

CANCER TOXICITY DATA -- ORAL/DERMAL

POWNAL TANNERY - SOIL REUSE

Chemical of Potential Concern	Oral Cancer Slope Factor		Oral Absorption Efficiency for Dermal	Absorbed Cancer Slope Factor for Dermal		Weight of Evidence/ Cancer Guideline Description	Oral CSF	
	Value	Units	(1)	Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Benzo(a)anthracene	7.3E-01	$(mg/kg\text{-}day)^{-1}$	(1)	7.3E-01	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	04/01/04
Benzo(a)pyrene	7.3E+00	$(mg/kg\text{-}day)^{-1}$	(1)	7.3E+00	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	04/01/04
Benzo(b)fluoranthene	7.3E-01	$(mg/kg\text{-}day)^{-1}$	(1)	7.3E-01	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	04/01/04
Dibenz(a,h)anthracene	7.3E+00	$(mg/kg\text{-}day)^{-1}$	(1)	7.3E+00	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	04/01/04
Dioxin TEQ	1.5E+05	$(mg/kg\text{-}day)^{-1}$	(1)	1.5E+05	$(mg/kg\text{-}day)^{-1}$	B2	HEAST	07/01/97
Arsenic	1.5E+00	$(mg/kg\text{-}day)^{-1}$	(1)	1.5E+00	$(mg/kg\text{-}day)^{-1}$	A	IRIS	04/01/04
Cadmium	N/A	N/A	N/A	N/A	N/A	D	IRIS	04/01/04
Manganese	N/A	N/A	N/A	N/A	N/A	D	IRIS	04/01/04
Mercury (organic)	N/A	N/A	N/A	N/A	N/A	C	IRIS	04/01/04

IRIS = Integrated Risk Information System

HEAST = Health Effects Assessment Summary Tables

N/A = Not Applicable

Slope factor for benzo(a)pyrene, along with the appropriate relative potency factor (USEPA, 1993), used for the other carcinogenic PAHs.

Weight of evidence for mercury (organic) based on methylmercury.

(1) Oral absorption efficiency exceeds 50%. Therefore, no adjustment of the oral slope factor is necessary.

EPA Group:

A - Human carcinogen

B1 - Probable human carcinogen - indicates that limited human data are available

B2 - Probable human carcinogen - indicates sufficient evidence in animals and inadequate or no evidence in humans

C - Possible human carcinogen

D - Not classifiable as a human carcinogen (by the oral route)

E - Evidence of noncarcinogenicity

TABLE 6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Soil	SC-032 to SC-036	Ingestion													
				Benzo(a)pyrene	2E-01	mg/kg	3.7E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.7E-07	1.1E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	3.4E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	5.1E-07	9.9E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	6.3E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	9.4E-07	1.8E-06	mg/kg-day	3.0E-04	mg/kg-day	6.1E-03
				Manganese	6E+02	mg/kg	9.2E-05	mg/kg-day	N/A	N/A	N/A	2.7E-04	mg/kg-day	7.0E-02	mg/kg-day	3.8E-03
			Exp. Route Total								2E-06					1E-02
			Dermal													
				Benzo(a)pyrene	2E-01	mg/kg	1.9E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.4E-07	5.6E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	4.1E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	6.1E-08	1.2E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	7.5E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.1E-07	2.2E-07	mg/kg-day	3.0E-04	mg/kg-day	7.3E-04
			Exp. Route Total								3E-07					7E-04
		Exposure Point Total									2E-06					1E-02
		SC-037	Ingestion													
				Benzo(a)pyrene	2E-01	mg/kg	3.6E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.6E-07	1.1E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-06	mg/kg	1.1E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.6E-07	3.1E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	5.4E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	8.1E-07	1.6E-06	mg/kg-day	3.0E-04	mg/kg-day	5.3E-03
				Manganese	4E+02	mg/kg	6.3E-05	mg/kg-day	N/A	N/A	N/A	1.8E-04	mg/kg-day	7.0E-02	mg/kg-day	2.6E-03
			Exp. Route Total								1E-06					8E-03
			Dermal													
				Benzo(a)pyrene	2E-01	mg/kg	1.9E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.4E-07	5.5E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-06	mg/kg	1.3E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.9E-08	3.7E-13	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	6.5E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	9.7E-08	1.9E-07	mg/kg-day	3.0E-04	mg/kg-day	6.3E-04
			Exp. Route Total								3E-07					6E-04
		Exposure Point Total									1E-06					9E-03
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 6.CT

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Soil	SC-032 to SC-036	Ingestion													
				Benzo(a)pyrene	2E-01	mg/kg	2.7E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.0E-08	2.7E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	2.5E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	3.7E-08	2.5E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	4.6E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	6.9E-08	4.6E-07	mg/kg-day	3.0E-04	mg/kg-day	1.5E-03
				Manganese	6E+02	mg/kg	6.7E-06	mg/kg-day	N/A	N/A	N/A	6.7E-05	mg/kg-day	7.0E-02	mg/kg-day	9.6E-04
			Exp. Route Total								1E-07					2E-03
			Dermal													
				Benzo(a)pyrene	2E-01	mg/kg	2.8E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.0E-08	2.8E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	5.9E-14	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	8.9E-09	5.9E-13	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.1E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.6E-08	1.1E-07	mg/kg-day	3.0E-04	mg/kg-day	3.6E-04
			Exp. Route Total								5E-08					4E-04
		Exposure Point Total									2E-07					3E-03
		SC-037	Ingestion													
				Benzo(a)pyrene	2E-01	mg/kg	2.6E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.9E-08	2.6E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-06	mg/kg	7.7E-14	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.2E-08	7.7E-13	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	3.9E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	5.9E-08	3.9E-07	mg/kg-day	3.0E-04	mg/kg-day	1.3E-03
				Manganese	4E+02	mg/kg	4.6E-06	mg/kg-day	N/A	N/A	N/A	4.6E-05	mg/kg-day	7.0E-02	mg/kg-day	6.6E-04
			Exp. Route Total								9E-08					2E-03
			Dermal													
				Benzo(a)pyrene	2E-01	mg/kg	2.7E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.0E-08	2.7E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-06	mg/kg	1.8E-14	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	2.8E-09	1.8E-13	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	9.4E-09	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.4E-08	9.4E-08	mg/kg-day	3.0E-04	mg/kg-day	3.1E-04
			Exp. Route Total								4E-08					3E-04
		Exposure Point Total									1E-07					2E-03
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Soil	SC-032 to SC-036	Ingestion													
				Benzo(a)pyrene	2E-01	mg/kg	8.6E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	6.3E-07	1.0E-06	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	7.9E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.2E-06	9.2E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.5E-06	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	2.2E-06	1.7E-05	mg/kg-day	3.0E-04	mg/kg-day	5.7E-02
				Manganese	6E+02	mg/kg	2.1E-04	mg/kg-day	N/A	N/A	N/A	2.5E-03	mg/kg-day	7.0E-02	mg/kg-day	3.6E-02
			Exp. Route Total								4E-06					9E-02
			Dermal													
				Benzo(a)pyrene	2E-01	mg/kg	3.1E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.3E-07	3.7E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	6.7E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.0E-07	7.8E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.2E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.8E-07	1.4E-06	mg/kg-day	3.0E-04	mg/kg-day	4.8E-03
			Exp. Route Total								5E-07					5E-03
		Exposure Point Total									5E-06					1E-01
		SC-037	Ingestion													
				Benzo(a)pyrene	2E-01	mg/kg	8.4E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	6.1E-07	9.8E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-06	mg/kg	2.5E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	3.7E-07	2.9E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.3E-06	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.9E-06	1.5E-05	mg/kg-day	3.0E-04	mg/kg-day	4.9E-02
				Manganese	4E+02	mg/kg	1.5E-04	mg/kg-day	N/A	N/A	N/A	1.7E-03	mg/kg-day	7.0E-02	mg/kg-day	2.5E-02
			Exp. Route Total								3E-06					7E-02
			Dermal													
				Benzo(a)pyrene	2E-01	mg/kg	3.1E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.2E-07	3.6E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-06	mg/kg	2.1E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	3.1E-08	2.4E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.1E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.6E-07	1.2E-06	mg/kg-day	3.0E-04	mg/kg-day	4.1E-03
			Exp. Route Total								4E-07					4E-03
		Exposure Point Total									3E-06					8E-02
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 7.CT

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Soil	SC-032 to SC-036	Ingestion													
				Benzo(a)pyrene	2E-01	mg/kg	7.2E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	5.3E-08	2.5E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	6.6E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	9.9E-08	2.3E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.2E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.8E-07	4.3E-06	mg/kg-day	3.0E-04	mg/kg-day	1.4E-02
				Manganese	6E+02	mg/kg	1.8E-05	mg/kg-day	N/A	N/A	N/A	6.2E-04	mg/kg-day	7.0E-02	mg/kg-day	8.9E-03
			Exp. Route Total								3E-07					2E-02
			Dermal													
				Benzo(a)pyrene	2E-01	mg/kg	5.2E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	3.8E-08	1.8E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	1.1E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	1.7E-08	3.9E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	2.0E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	3.1E-08	7.2E-07	mg/kg-day	3.0E-04	mg/kg-day	2.4E-03
			Exp. Route Total								9E-08					2E-03
		Exposure Point Total									4E-07					3E-02
		SC-037	Ingestion													
				Benzo(a)pyrene	2E-01	mg/kg	7.0E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	5.1E-08	2.5E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-06	mg/kg	2.0E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	3.1E-08	7.2E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.1E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.6E-07	3.7E-06	mg/kg-day	3.0E-04	mg/kg-day	1.2E-02
				Manganese	4E+02	mg/kg	1.2E-05	mg/kg-day	N/A	N/A	N/A	4.3E-04	mg/kg-day	7.0E-02	mg/kg-day	6.1E-03
			Exp. Route Total								2E-07					2E-02
			Dermal													
				Benzo(a)pyrene	2E-01	mg/kg	5.1E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	3.7E-08	1.8E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	7E-06	mg/kg	3.4E-14	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	5.2E-09	1.2E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.8E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	2.7E-08	6.2E-07	mg/kg-day	3.0E-04	mg/kg-day	2.1E-03
			Exp. Route Total								7E-08					2E-03
		Exposure Point Total									3E-07					2E-02
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-032 to SC-036											
			Benzo(a)pyrene	9E-07	- -	4E-07	- -	1E-06	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	2E-06	- -	2E-07	- -	2E-06	N/A	N/A	- -	N/A	N/A
			Arsenic	3E-06	- -	3E-07	- -	3E-06	Skin	6E-02	- -	5E-03	6E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	4E-02	- -	N/A	4E-02
			Chemical Total	6E-06	- -	8E-07	- -	7E-06		9E-02	- -	5E-03	1E-01
			Radionuclide Total										
		Exposure Point Total						7E-06					1E-01
	Exposure Medium Total							7E-06					1E-01
Medium Total								7E-06					1E-01
Receptor Total								7E-06					1E-01

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 7E-06

Total Hazard Across All Media: 1E-01

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 2E-05

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	N/A
Total Liver HI =	N/A
Total Nervous System HI =	4E-02
Total Skin HI =	6E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

TABLE 8.CT

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-032 to SC-036											
			Benzo(a)pyrene	7E-08	- -	6E-08	- -	1E-07	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	1E-07	- -	3E-08	- -	2E-07	N/A	N/A	- -	N/A	N/A
			Arsenic	3E-07	- -	5E-08	- -	3E-07	Skin	1E-02	- -	2E-03	2E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	9E-03	- -	N/A	9E-03
			Chemical Total	5E-07	- -	1E-07	- -	6E-07		2E-02	- -	2E-03	3E-02
			Radionuclide Total										
		Exposure Point Total						6E-07					3E-02
	Exposure Medium Total							6E-07					3E-02
Medium Total								6E-07					3E-02
Receptor Total								6E-07					3E-02

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 6E-07

Total Hazard Across All Media: 3E-02

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 1E-06

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	N/A
Total Liver HI =	N/A
Total Nervous System HI =	9E-03
Total Skin HI =	2E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

TABLE 9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-037											
			Benzo(a)pyrene	9E-07	- -	4E-07	- -	1E-06	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	5E-07	- -	5E-08	- -	6E-07	N/A	N/A	- -	N/A	N/A
			Arsenic	3E-06	- -	3E-07	- -	3E-06	Skin	5E-02	- -	4E-03	5E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	2E-02	- -	N/A	2E-02
			Chemical Total	4E-06	- -	7E-07	- -	5E-06		7E-02	- -	4E-03	8E-02
			Radionuclide Total										
		Exposure Point Total						5E-06					8E-02
	Exposure Medium Total							5E-06					8E-02
Medium Total								5E-06					8E-02
Receptor Total								5E-06					8E-02

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 5E-06

Total Hazard Across All Media: 8E-02

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 8E-06

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	N/A
Total Liver HI =	N/A
Total Nervous System HI =	2E-02
Total Skin HI =	5E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

TABLE 9.CT

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-037											
			Benzo(a)pyrene	7E-08	- -	6E-08	- -	1E-07	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	4E-08	- -	8E-09	- -	5E-08	N/A	N/A	- -	N/A	N/A
			Arsenic	2E-07	- -	4E-08	- -	3E-07	Skin	1E-02	- -	2E-03	1E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	6E-03	- -	N/A	6E-03
			Chemical Total	3E-07	- -	1E-07	- -	4E-07		2E-02	- -	2E-03	2E-02
			Radionuclide Total										
		Exposure Point Total						4E-07					2E-02
	Exposure Medium Total							4E-07					2E-02
Medium Total								4E-07					2E-02
Receptor Total								4E-07					2E-02

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 4E-07

Total Hazard Across All Media: 2E-02

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 7E-07

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	N/A
Total Liver HI =	N/A
Total Nervous System HI =	6E-03
Total Skin HI =	1E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

Memorandum

DATE: August 26, 2004

TO: Don Dwight

FROM: Diane Silverman, Ph.D.

Sean Czarniecki, P.E.

SUBJECT: Pownal Tannery Supplemental Human Health Risk Assessment for Cover Soil Stockpiles #8 and #9

Unvalidated data are currently available for the stockpiled lagoon cover and berm soil from stockpiles #8 and #9, referred to as windrows #8 and #9 (WR #8 and WR #9). Samples SC-038 through SC-040 are associated with WR #8 and sample SC-041 is associated with WR #9. These lagoon cover and berm soils contain levels of contaminants of concern (COCs) slightly in excess of risk-based preliminary remediation goals (PRGs). This site-specific supplemental risk evaluation has been performed to determine whether these lagoon cover and berm soils may be used as backfill in the lagoons.

As previously described in the supplemental human health risk assessments performed on WR #1, WR #2, and WR #3 (June 22, 2004), WR #4 and WR #5 (July 6, 2004), and WR #6 and WR #7 (July 19, 2004), this supplemental risk assessment has been conducted to determine whether future human recreational exposure to these cover and berm soils would result in an exceedance of the EPA target risk range. If the risk associated with future exposure to the cover and berm soils does not exceed the EPA target risk range despite exceeding the PRGs, a defensible case may be made to re-use the cover and berm soils as on-site backfill in the lagoons.

Consistent with the June 22, 2004, July 6, 2004, and July 19, 2004 supplemental risk assessments, this supplemental risk assessment focused on potential future adult and young child exposures to soil at the lagoon areas, planned for recreational development. This scenario was selected since recreational use is the most likely future land use of the site. The supplemental risk assessment was performed using the same methods and assumptions as the baseline risk assessment. These methods and assumptions are briefly summarized in the following text and tables. Additional details can be found in the Remedial Investigation Report (July 2002) for the site.

Four composite soil samples were collected from two stockpiles (WR #8 and WR #9) and analyzed for VOCs, SVOCs, dioxins, and metals. Chromium speciation was previously performed (see June 22, 2004 memorandum) on six cover and berm soil samples from WR #1, WR #2, and WR #3 to determine the valence state(s) of chromium in soils, assumed to be chromium VI in the RI Report. The results of the chromium speciation study indicate that chromium in on-site cover and berm soils exists primarily as chromium III. Chromium VI analytical results were below Region 9 residential screening values. No additional chromium speciation analysis was performed for these two stockpiles or will be performed on future stockpiles. However, based on the results of the chromium speciation study, total chromium results for these cover and berm soils have been evaluated as chromium III. Data validation will be performed on these cover and berm soil samples but has not,

to date, been completed. Therefore, the risk calculations presented in this memorandum are based on unvalidated laboratory data.

The composite soil samples evaluated included SC-038 through SC-041 collected from one 3000-ton (WR #8) and one 1000-ton (WR #9) stockpiles. Samples SC-038 through SC-040 represent sets of three 8-point composite soil samples taken from WR #8. Sample SC-041 represents one set of 8-point composite soil samples taken from WR #9. Since composite samples are taken every 1000 tons of material, three composite samples were collected from WR #8 and and one composite soil sample was collected from WR #9. The two stockpiles were evaluated separately to determine whether one or both of the stockpiles may be safely reused as backfill. Summary statistics for the two stockpiles are presented on Table 1. This table also presents the screening process used to select COPCs. In order to select COPCs, a comparison between the maximum detected site concentrations and a conservative screening toxicity value is made. The Region 9 residential soil PRGs have been used as screening toxicity values. Any contaminant whose maximum detected concentration exceeds the screening value is selected as a COPC and is further evaluated in the risk assessment. Soil contaminants selected as COPCs for this evaluation include: benzo(a)pyrene, dioxins (expressed as a toxic equivalent concentration [TEQ]), arsenic, and manganese. Because total chromium (evaluated as chromium III) laboratory results were below Region 9 screening values, chromium was not selected as a COPC.

In order to evaluate the magnitude of human exposures, an exposure point concentration (EPC) must be estimated for each COPC in each stockpile. The Upper Confidence Limit (UCL) on the arithmetic mean is the most reliable estimate of exposure. However, for data sets with less than four samples, the UCL can not be calculated. In these cases, the maximum detected concentration (i.e., a more conservative value) is used to evaluate the reasonable maximum exposure (RME) scenario and the arithmetic mean concentration is used for the central tendency (CT) exposure scenario. Because less than four composite samples were collected from WR #8 and WR #9, the maximum detected concentration of each COPC was used as the EPC for the RME scenario and the average concentration of each COPC was used as the EPC for the CT scenario. Table 2 summarizes the statistic (mean or maximum) selected as the EPC for each COPC.

To estimate the carcinogenic and noncarcinogenic risk associated with potential future soil exposures, both exposure and toxicity information is needed. To quantify the extent, frequency and duration of potential human exposures, exposure assumptions are selected for the receptors of interest. Since the concern is future recreational exposures, young child and adult recreational receptors have been selected for evaluation as the most conservative of the possible recreational receptors. A complete discussion of additional exposure pathways evaluated in the baseline risk assessment can be found in the RI report along with the rationale for the recreational exposure assumptions selected. However, Table 3 has been included to provide a summary of the exposure assumptions for the adult and child recreational receptors, respectively. The toxicity values used in this evaluation are the same as those used in the baseline risk assessment since no changes have occurred to the COPC toxicity values since 2002. Further information is provided in the RI report. However, Table 4 lists the oral reference doses used to evaluate noncarcinogenic risk and Table 5 lists the oral slope factors used to evaluate carcinogenic risk.

Risk estimation was performed by combining the toxicity and exposure information as described in the baseline risk assessment. Tables 6 and 7 summarize the carcinogenic risks and noncarcinogenic hazards associated with potential soil exposures for the adult and child RME and CT receptors, respectively. Individual receptor risks are within or below the EPA risk management cancer risk range of 10^{-6} to 10^{-4}, and below the noncarcinogenic target risk of 1.

Tables 8 and 9 provide the cumulative receptor risks for the adult and child combined for the two stockpiles. Cumulative risk estimates provide the basis for risk determination at a site. Cumulative receptor carcinogenic risks are also within or below the EPA risk management cancer risk range of 10^{-6} to 10^{-4}, and noncarcinogenic risks are below the target risk of 1. This supplemental risk evaluation demonstrates that potential human recreational exposures to stockpiled cover and berm soils excavated from the lagoon areas are not associated with risk above regulatory guidelines.

TABLE 1
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (NC) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
SC-038 through SC-040	67-64-1	Acetone	0.0019	0.0019	mg/Kg	SC-039	1 / 3	0.0013 - 0.0014	0.0019	N/A	160 N	N/A	N/A	N	BSL
	75-09-2	Methylene chloride	0.00067 J	0.00088 J	mg/Kg	SC-039	2 / 3	0.0035 - 0.0036	0.00088	N/A	9.1 C	N/A	N/A	N	BSL
	120-12-7	Anthracene	0.057 J	0.057 J	mg/Kg	SC-039	1 / 3	0.23 - 0.24	0.057	N/A	2200 N	N/A	N/A	N	BSL
	56-55-3	Benzo (a) anthracene	0.088 J	0.14 J	mg/Kg	SC-039	2 / 3	0.24	0.14	N/A	0.62 C	N/A	N/A	N	BSL
	50-32-8	Benzo (a) pyrene	0.074 J	0.12 J	mg/Kg	SC-039	2 / 3	0.024	0.12	N/A	0.062 C	N/A	N/A	Y	ASL
	205-99-2	Benzo (b) fluoranthene	0.054 J	0.09 J	mg/Kg	SC-039	2 / 3	0.24	0.09	N/A	0.62 C	N/A	N/A	N	BSL
	191-24-2	Benzo (g,h,i) perylene	0.071 J	0.071 J	mg/Kg	SC-039	1 / 3	0.023 - 0.24	0.071	N/A	5.6 N	N/A	N/A	N	BSL
	207-08-9	Benzo (k) fluoranthene	0.065 J	0.099 J	mg/Kg	SC-039	2 / 3	0.24	0.099	N/A	6.2 C	N/A	N/A	N	BSL
	117-81-7	bis(2-Ethylhexyl)phthalate	0.051 J	0.052 J	mg/Kg	SC-038	3 / 3	N/A	0.052	N/A	35 C	N/A	N/A	N	BSL
	218-01-9	Chrysene	0.088 J	0.15 J	mg/Kg	SC-039	2 / 3	0.24	0.15	N/A	62 C	N/A	N/A	N	BSL
	84-66-2	Diethylphthalate	0.10 J	0.12 J	mg/Kg	SC-038	3 / 3	N/A	0.12	N/A	4900 N	N/A	N/A	N	BSL
	84-74-2	Di-n-butylphthalate	0.052 J	0.13 J	mg/Kg	SC-040	3 / 3	N/A	0.13	N/A	610 N	N/A	N/A	N	BSL
	206-44-0	Fluoranthene	0.15 J	0.26	mg/Kg	SC-039	2 / 3	0.24	0.26	N/A	230 N	N/A	N/A	N	BSL
	193-39-5	Indeno (1,2,3-cd) pyrene	0.061 J	0.061 J	mg/Kg	SC-039	1 / 3	0.23 - 0.24	0.061	N/A	0.62 C	N/A	N/A	N	BSL
	85-01-8	Phenanthrene	0.059 J	0.19 J	mg/Kg	SC-039	2 / 3	0.24	0.19	N/A	5.6 N	N/A	N/A	N	BSL
	129-00-0	Pyrene	0.15 J	0.24	mg/Kg	SC-039	2 / 3	0.24	0.24	N/A	230 N	N/A	N/A	N	BSL
	1746-01-6	Dioxin TEQ	6.58E-06	3.20E-05	mg/Kg	SC-038	3 / 3	N/A	3.20E-05	N/A	3.9E-06 C	N/A	N/A	Y	ASL
	7429-90-5	Aluminum	6200	8500	mg/Kg	SC-039	3 / 3	N/A	8500	N/A	N/A	N/A	N/A	N	NTX
	7440-36-0	Antimony	0.18	0.18	mg/Kg	SC-038	1 / 3	0.090 - 0.099	0.18	N/A	3.1 N	N/A	N/A	N	BSL
	7440-38-2	Arsenic	3.6	4.5	mg/Kg	SC-039	3 / 3	N/A	4.5	N/A	0.39 C	N/A	N/A	Y	ASL
	7440-39-3	Barium	32	49	mg/Kg	SC-039	3 / 3	N/A	49	N/A	540 N	N/A	N/A	N	BSL
	7440-41-7	Beryllium	0.23	0.34	mg/Kg	SC-039	3 / 3	N/A	0.34	N/A	15 N	N/A	N/A	N	BSL
	7440-43-9	Cadmium	0.43	1.8	mg/Kg	SC-038	3 / 3	N/A	1.8	N/A	3.7 N	N/A	N/A	N	BSL
	7440-70-2	Calcium	5200	20000	mg/Kg	SC-040	3 / 3	N/A	20000	N/A	N/A	N/A	N/A	N	NUT
	7440-47-3	Chromium	120	520	mg/Kg	SC-038	3 / 3	N/A	520	N/A	10000 N	N/A	N/A	N	BSL
	7440-48-4	Cobalt	8.4	11	mg/Kg	SC-039	3 / 3	N/A	11	N/A	N/A	N/A	N/A	N	NTX
	7440-50-8	Copper	16	21	mg/Kg	SC-039	3 / 3	N/A	21	N/A	N/A	N/A	N/A	N	NTX
	7439-89-6	Iron	20000	23000	mg/Kg	SC-039	3 / 3	N/A	23000	N/A	N/A	N/A	N/A	N	NUT

TABLE 1
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
POWVAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (NC) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
	7439-92-1	Lead	14	31	mg/Kg	SC-038	3 / 3	N/A	31	N/A	N/A	N/A	N/A	N	BSL
	7439-95-4	Magnesium	4200	9600	mg/Kg	SC-040	3 / 3	N/A	9600	N/A	N/A	N/A	N/A	N	NUT
	7439-96-5	Manganese	600	760	mg/Kg	SC-039	3 / 3	N/A	760	N/A	160 N	N/A	N/A	Y	ASL
	7439-97-6	Mercury	0.18	0.5	mg/Kg	SC-039	3 / 3	N/A	0.5	N/A	0.61 N	N/A	N/A	N	BSL
	7440-02-0	Nickel	15	19	mg/Kg	SC-039	3 / 3	N/A	19	N/A	160 N	N/A	N/A	N	BSL
	7440-09-7	Potassium	410	540	mg/Kg	SC-039	3 / 3	N/A	540	N/A	N/A	N/A	N/A	N	NUT
	7782-49-2	Selenium	0.12	0.23	mg/Kg	SC-039	3 / 3	N/A	0.23	N/A	39 N	N/A	N/A	N	BSL
	7440-22-4	Silver	0.11	0.13	mg/Kg	SC-039	3 / 3	N/A	0.13	N/A	39 N	N/A	N/A	N	BSL
	7440-23-5	Sodium	21	29	mg/Kg	SC-038	3 / 3	N/A	29	N/A	N/A	N/A	N/A	N	NUT
	7440-62-2	Vanadium	8.2	10	mg/Kg	SC-039	3 / 3	N/A	10	N/A	55 N	N/A	N/A	N	BSL
	7440-66-6	Zinc	57	88	mg/Kg	SC-039	3 / 3	N/A	88	N/A	2300 N	N/A	N/A	N	BSL
SC-041	67-64-1	Acetone	0.017	0.017	mg/Kg	SC-041	1 / 1	N/A	0.017	N/A	160 N	N/A	N/A	N	BSL
	75-09-2	Methylene chloride	0.00084 J	0.00084 J	mg/Kg	SC-041	1 / 1	N/A	0.00084	N/A	9.1 C	N/A	N/A	N	BSL
	120-12-7	Anthracene	0.099 J	0.099 J	mg/Kg	SC-041	1 / 1	N/A	0.099	N/A	2200 N	N/A	N/A	N	BSL
	56-55-3	Benzo (a) anthracene	0.24 J	0.24	mg/Kg	SC-041	1 / 1	N/A	0.24	N/A	0.62 C	N/A	N/A	N	BSL
	50-32-8	Benzo (a) pyrene	0.2 J	0.2 J	mg/Kg	SC-041	1 / 1	N/A	0.2	N/A	0.062 C	N/A	N/A	Y	ASL
	205-99-2	Benzo (b) fluoranthene	0.15 J	0.15 J	mg/Kg	SC-041	1 / 1	N/A	0.15	N/A	0.62 C	N/A	N/A	N	BSL
	191-24-2	Benzo (g,h,i) perylene	0.11 J	0.11 J	mg/Kg	SC-041	1 / 1	N/A	0.11	N/A	5.6 N	N/A	N/A	N	BSL
	207-08-9	Benzo (k) fluoranthene	0.17 J	0.17 J	mg/Kg	SC-041	1 / 1	N/A	0.17	N/A	6.2 C	N/A	N/A	N	BSL
	117-81-7	bis(2-Ethylhexyl)phthalate	0.054 J	0.054 J	mg/Kg	SC-041	1 / 1	N/A	0.054	N/A	35 C	N/A	N/A	N	BSL
	218-01-9	Chrysene	0.25 J	0.25	mg/Kg	SC-041	1 / 1	N/A	0.25	N/A	62 C	N/A	N/A	N	BSL
	84-66-2	Diethylphthalate	0.13 J	0.13 J	mg/Kg	SC-041	1 / 1	N/A	0.13	N/A	4900 N	N/A	N/A	N	BSL
	84-74-2	Di-n-butylphthalate	0.081 J	0.081 J	mg/Kg	SC-041	1 / 1	N/A	0.08	N/A	610 N	N/A	N/A	N	BSL
	206-44-0	Fluoranthene	0.43 J	0.43	mg/Kg	SC-041	1 / 1	N/A	0.43	N/A	230 N	N/A	N/A	N	BSL
	193-39-5	Indeno (1,2,3-cd) pyrene	0.095 J	0.095 J	mg/Kg	SC-041	1 / 1	N/A	0.095	N/A	0.62 C	N/A	N/A	N	BSL
	85-01-8	Phenanthrene	0.28 J	0.28	mg/Kg	SC-041	1 / 1	N/A	0.28	N/A	5.6 N	N/A	N/A	N	BSL
	129-00-0	Pyrene	0.41 J	0.41	mg/Kg	SC-041	1 / 1	N/A	0.41	N/A	230 N	N/A	N/A	N	BSL
	1746-01-6	Dioxin TEQ	1.56E-05	1.56E-05	mg/Kg	SC-041	1 / 1	N/A	1.56E-05	N/A	3.9E-06 C	N/A	N/A	Y	ASL
	7429-90-5	Aluminum	7600	7600	mg/Kg	SC-041	1 / 1	N/A	7600	N/A	N/A	N/A	N/A	N	NTX
	7440-36-0	Antimony	0.13	0.13	mg/Kg	SC-041	1 / 1	N/A	0.13	N/A	3.1 N	N/A	N/A	N	BSL
	7440-38-2	Arsenic	3.6	3.6	mg/Kg	SC-041	1 / 1	N/A	3.6	N/A	0.39 C	N/A	N/A	Y	ASL
	7440-39-3	Barium	35	35	mg/Kg	SC-041	1 / 1	N/A	35.0	N/A	540 N	N/A	N/A	N	BSL
	7440-41-7	Beryllium	0.26	0.26	mg/Kg	SC-041	1 / 1	N/A	0.26	N/A	15 N	N/A	N/A	N	BSL
	7440-43-9	Cadmium	1.1	1.1	mg/Kg	SC-041	1 / 1	N/A	1.1	N/A	3.7 N	N/A	N/A	N	BSL
	7440-70-2	Calcium	3000	3000	mg/Kg	SC-041	1 / 1	N/A	3000	N/A	N/A	N/A	N/A	N	NUT
	7440-47-3	Chromium	320	320	mg/Kg	SC-041	1 / 1	N/A	320	N/A	10000 N	N/A	N/A	N	BSL
	7440-48-4	Cobalt	9.1	9.1	mg/Kg	SC-041	1 / 1	N/A	9.1	N/A	N/A	N/A	N/A	N	NTX
	7440-50-8	Copper	18	18	mg/Kg	SC-041	1 / 1	N/A	18	N/A	N/A	N/A	N/A	N	NTX

TABLE 1
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (NC) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
	7439-89-6	Iron	22000	22000	mg/Kg	SC-041	1 / 1	N/A	22000	N/A	N/A	N/A	N/A	N	NUT
	7439-92-1	Lead	32	32	mg/Kg	SC-041	1 / 1	N/A	32	N/A	N/A	N/A	N/A	N	BSL
	7439-95-4	Magnesium	3500	3500	mg/Kg	SC-041	1 / 1	N/A	3500	N/A	N/A	N/A	N/A	N	NUT
	7439-96-5	Manganese	500	500	mg/Kg	SC-041	1 / 1	N/A	500	N/A	180 N	N/A	N/A	Y	ASL
	7439-97-6	Mercury	0.45	0.45	mg/Kg	SC-041	1 / 1	N/A	0.45	N/A	0.61 N	N/A	N/A	N	BSL
	7440-02-0	Nickel	16	16	mg/Kg	SC-041	1 / 1	N/A	16	N/A	160 N	N/A	N/A	N	BSL
	7440-09-7	Potassium	440	440	mg/Kg	SC-041	1 / 1	N/A	440	N/A	N/A	N/A	N/A	N	NUT
	7782-49-2	Selenium	0.15	0.15	mg/Kg	SC-041	1 / 1	N/A	0.15	N/A	39 N	N/A	N/A	N	BSL
	7440-22-4	Silver	0.15	0.15	mg/Kg	SC-041	1 / 1	N/A	0.15	N/A	39 N	N/A	N/A	N	BSL
	7440-23-5	Sodium	25	25	mg/Kg	SC-041	1 / 1	N/A	25	N/A	N/A	N/A	N/A	N	NUT
	7440-62-2	Vanadium	8.3	8.3	mg/Kg	SC-041	1 / 1	N/A	8.3	N/A	55 N	N/A	N/A	N	BSL
	7440-66-6	Zinc	85	85	mg/Kg	SC-041	1 / 1	N/A	85	N/A	2300 N	N/A	N/A	N	BSL

(1) Minimum/maximum detected concentration.
(2) Maximum concentration used for screening.
(3) Refer to supporting information for background discussion.
(4) USEPA Region 9 PRGs for residential soil (adjusted to an hazard quotient = 0.1 for noncarcinogens), October 1, 2002.
PRG for chromium III used for chromium.
PRG for methylmercury used for mercury.
The most conservative PRG for all noncarcinogenic PAHs has been used for 2-methylnaphthalene, acenaphthylene, benzo(g,h,i)perylene and phenanthrene.
(5) Rationale Codes: Selection Reason: Above Screening Levels (ASL)
No Screening Level (NSL)
Deletion Reason: No Toxicity Information (NTX)
Essential Nutrient (NUT)
Frequency of Detection (FOD)
Below Screening Level (BSL)

Definitions:
COPC = Chemical of Potential Concern
ARAR/TBC = Applicable or Relevant and Appropriate Requirement/To Be Considered
PRG = Preliminary Remedial Goal
N/A = Not Applicable or Not Available
J = Estimated Value
C = Carcinogenic
N = Non-Carcinogenic
SSL = Soil Screening Level

TABLE 2 RME

EXPOSURE POINT CONCENTRATION SUMMARY

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point (1)	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution) (2)	Maximum Concentration (Qualifier)	Exposure Point Concentration			
						Value	Units	Statistic (3)	Rationale (4)
SC-038 through SC-040									
	Benzo (a) pyrene	mg/kg	1.1E-01	N/A (<4)	1.2E-01 J	1.2E-01	mg/kg	Max	(a)
	Dioxin TEQ	mg/kg	2.2E-05	N/A (<4)	3.2E-05	3.2E-05	mg/kg	Max	(a)
	Arsenic	mg/kg	4.0E+00	N/A (<4)	4.5E+00	4.5E+00	mg/kg	Max	(a)
	Manganese	mg/kg	6.8E+02	N/A (<4)	7.6E+02	7.6E+02	mg/kg	Max	(a)
SC-041									
	Benzo (a) pyrene	mg/kg	2.0E-01	N/A (<4)	2.0E-01 J	2.0E-01	mg/kg	Max	(a)
	Dioxin TEQ	mg/kg	1.56E-05	N/A (<4)	1.56E-05	1.56E-05	mg/kg	Max	(a)
	Arsenic	mg/kg	3.6E+00	N/A (<4)	3.8E+00	3.8E+00	mg/kg	Max	(a)
	Manganese	mg/kg	5.0E+02	N/A (<4)	5.0E+02	5.0E+02	mg/kg	Max	(a)

(1) Only COPCs selected on Table 1 and detected at each exposure point appear.
(2) T - Transformed, N - Normal, NP - Non-parametric, G - Gamma, <4 - sample size too small to calculate 95% UCL
(3) Statistics: Maximum Detected Value (Max), 95% UCL of Transformed Data (95% UCL - T), 95% UCL of Normal Data (95% UCL - N), 95% UCL of Non-parametric Data (95% UCL - NP), 95% UCL of Gamma Distributed Data (95% UCL - G), Arithmetic Mean (Mean)
(4) Rationale:

(a) Due to small sample size (<4), the maximum detected concentration is used.
(b) When the maximum detected concentration is selected as the RME EPC, the arithmetic mean concentration is selected as the CT EPC.
(c) If the arithmetic mean concentration equals or exceeds the maximum detected concentration, the maximum detected concentration is used as the CT EPC.
(d) Shapiro-Wilk W Test or Lilliefors Test indicates data are normally distributed.
(e) Shapiro-Wilk W Test or Lilliefors Test indicates data are log-normally distributed.
(f) Shapiro-Wilk W Test or Lilliefors Test indicates data are neither normally nor log-normally distributed.
(g) 95% UCL exceeds maximum detected concentration. Therefore, maximum concentration used for EPC
(h) A-D Test and/or K-S Test indicates data are gamma distributed.

J = Estimated Concentration
Max = Maximum Detected Concentration
N/A = Not Applicable
UCL = Upper Confidence Limit
EPC = Exposure Point Concentration
RME = Reasonable Maximum Exposure
CT = Central Tendency

TABLE 2.CT

EXPOSURE POINT CONCENTRATION SUMMARY

CENTRAL TENDENCY EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Point (1)	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution) (2)	Maximum Concentration (Qualifier)	Exposure Point Concentration			
						Value	Units	Statistic (3)	Rationale (4)
SC-038 through SC-040									
	Benzo (a) pyrene	mg/kg	1.1E-01	N/A (<4)	1.2E-01 J	1.1E-01	mg/kg	Mean	(b)
	Dioxin TEQ	mg/kg	2.2E-05	N/A (<4)	3.2E-05	2.2E-05	mg/kg	Mean	(b)
	Arsenic	mg/kg	4.0E+00	N/A (<4)	4.5E+00	4.0E+00	mg/kg	Mean	(b)
	Manganese	mg/kg	6.0E+02	N/A (<4)	7.6E+02	6.0E+02	mg/kg	Mean	(b)
SC-041									
	Benzo (a) pyrene	mg/kg	2.0E-01	N/A (<4)	2.0E-01 J	2.0E-01	mg/kg	Max	(c)
	Dioxin TEQ	mg/kg	1.56E-05	N/A (<4)	1.56E-05	1.56E-05	mg/kg	Max	(c)
	Arsenic	mg/kg	3.6E+00	N/A (<4)	3.6E+00	3.6E+00	mg/kg	Max	(c)
	Manganese	mg/kg	5.0E+02	N/A (<4)	5.0E+02	5.0E+02	mg/kg	Max	(c)

(1) Only COPCs selected on Table 1 and detected in each exposure point appear.
(2) T - Transformed, N - Normal, NP - Non-parametric, G - Gamma; <4 - sample size too small to calculate 95% UCL.
(3) Statistics: Maximum Detected Value (Max); 95% UCL of Transformed Data (95% UCL - T); 95% UCL of Normal Data (95% UCL - N); 95% UCL of Non-parametric Data (95% UCL - NP); 95% UCL of Gamma Distributed Data (95% UCL - G); Arithmetic Mean (Mean)
(4) Rationale

(a) Due to small sample size (<4), the maximum detected concentration is used.
(b) When the maximum detected concentration is selected as the RME EPC, the arithmetic mean concentration is selected as the CT EPC.
(c) If the arithmetic mean concentration equals or exceeds the maximum detected concentration, the maximum detected concentration is used as the CT EPC.
(d) Shapiro-Wilk W Test or Lilliefors Test indicates data are normally distributed.
(e) Shapiro-Wilk W Test or Lilliefors Test indicates data are log-normally distributed.
(f) Shapiro-Wilk W Test or Lilliefors Test indicates data are neither normally nor log-normally distributed.
(g) 95% UCL exceeds maximum detected concentration. Therefore, maximum concentration used for EPC.
(h) A-D Test and/or K-S Test indicates data are gamma distributed.

J = Estimated Concentration
Max = Maximum Detected Concentration
N/A = Not Applicable
UCL = Upper Confidence Limit
EPC = Exposure Point Concentration
RME = Reasonable Maximum Exposure
CT = Central Tendency

TABLE 3 RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2 RME	mg/kg	see Table 2 RME	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR	Ingestion Rate of Soil	100	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF / BW x AT
				FI	Fraction Ingested	1	unitless	Prof. Judgement	
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	24	years	USEPA, 1994b	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	8,760	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	--	
		Young Child (ages 1-6)	Soil Pile	CS	Chemical Concentration in Soil	see Table 2 RME	mg/kg	see Table 2 RME	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR	Ingestion Rate of Soil	200	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF / BW x AT
				FI	Fraction Ingested	1	unitless	Prof. Judgement	
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	6	years	USEPA, 1994b	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	--	

TABLE 3.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Dermal	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.RME	mg/kg	see Table 2.RME	CDI (mg/kg-day) =
				SA	Skin Surface Area Available for Contact	5,700	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF / BW x AT
				AF	Skin Adherence Factor	0.07	mg/cm^2-day	USEPA, 2001b	
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	24	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	--	--	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	8,760	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	--	
		Young Child (ages 1-6)	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.RME	mg/kg	see Table 2.RME	CDI (mg/kg-day) =
				SA	Skin Surface Area Available for Contact	2,800	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF / BW x AT
				AF	Skin Adherence Factor	0.2	mg/cm^2-day	USEPA, 2001b	
				EF	Exposure Frequency	112	days/year	Prof. Judgement	
				ED	Exposure Duration	6	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	--	--	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	--	

Adult SA term assumes exposure to face, forearms, hands, and lower legs.

Adult AF term is geometric mean value for adult gardeners.

Young child SA term assumes exposure to face, forearms, hands, lower legs, and feet.

Young child AF term is geometric mean value for children playing in wet soil.

TABLE 3.CT

VALUES USED FOR DAILY INTAKE CALCULATIONS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR	Ingestion Rate of Soil	50	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF / BW x AT
				FI	Fraction Ingested	1	unitless	Prof. Judgement	
				EF	Exposure Frequency	56	days/year	Prof. Judgement	
				ED	Exposure Duration	7	years	USEPA, 1994b	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,555	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	--	
		Young Child (ages 1-6)	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR	Ingestion Rate of Soil	100	mg/day	USEPA, 1997a	CS x IR x FI x EF x ED x CF / BW x AT
				FI	Fraction Ingested	1	unitless	Prof. Judgement	
				EF	Exposure Frequency	56	days/year	Prof. Judgement	
				ED	Exposure Duration	2	years	USEPA, 1994b	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	730	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	--	

TABLE 3.CT

VALUES USED FOR DAILY INTAKE CALCULATIONS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Dermal	Recreational User	Adult	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	CDI (mg/kg-day) =
				SA	Skin Surface Area Available for Contact	5,700	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF / BW x AT
				AF	Skin Adherence Factor	0.07	mg/cm^2-day	USEPA, 2001b	
				EF	Exposure Frequency	50	days/year	Prof. Judgement	
				ED	Exposure Duration	7	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	--	--	
				BW	Body Weight	70	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,555	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	--	
		Young Child (ages 1-6)	Soil Pile	CS	Chemical Concentration in Soil	see Table 2.CT	mg/kg	see Table 2.CT	CDI (mg/kg-day) =
				SA	Skin Surface Area Available for Contact	2,800	cm^2	USEPA, 2001b	CS x SA x AF x EF x ED x DAF x CF / BW x AT
				AF	Skin Adherence Factor	0.2	mg/cm^2-day	USEPA, 2001b	
				EF	Exposure Frequency	50	days/year	Prof. Judgement	
				ED	Exposure Duration	2	years	USEPA, 1994b	
				DAF	Dermal Absorption Factor	Chemical Specific	--	--	
				BW	Body Weight	15	kg	USEPA, 1997a	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	730	days	USEPA, 1989	
				CF	Conversion Factor	0.000001	kg/mg	--	

Adult SA term assumes exposure to face, forearms, hands, and lower legs.

Adult AF term is geometric mean value for adult gardeners.

Young child SA term assumes exposure to face, forearms, hands, lower legs, and feet.

Young child AF term is geometric mean value for children playing in wet soil.

TABLE 4

NON-CANCER TOXICITY DATA -- ORAL/DERMAL

POWNAL TANNERY - SOIL REUSE

Chemical of Potential Concern	Chronic/ Subchronic	Oral RfD		Oral Absorption Efficiency for Dermal	Absorbed RfD for Dermal		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfD:Target Organ(s)	
		Value	Units	(1)	Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Benzo(a)anthracene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo(a)pyrene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo(b)fluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibenz(a,h)anthracene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxin TEQ	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arsenic	Chronic	3E-04	mg/kg-day	(4)	3E-04	mg/kg-day	Skin	3	IRIS	04/01/04
Cadmium (food)	Chronic	1E-03	mg/kg-day	0.025	3E-05	mg/kg-day	Kidney	10	IRIS	04/01/04
Manganese (other media)	Chronic	7E-02	mg/kg-day	0.04	2.8E-03	mg/kg-day	Nervous System	1	IRIS	04/01/04
Mercury (organic)	Chronic	1E-04	mg/kg-day	(4)	1E-04	mg/kg-day	Nervous System	10	IRIS	04/01/04

(1) Oral absorption efficiencies from RAGS, Part E (USEPA, 2001b).

(2) Calculated as: (oral RfD) x (oral to dermal adjustment factor).

(3) RfDs for manganese are based on total allowable intake (10 mg/day) minus the background intake (5 mg/day). The remaining intake (5 mg/day) is divided by 70 kg.

RfD for mercury (organic) based on methylmercury.

(4) Oral absorption efficiency exceeds 50%. No adjustment of the oral reference dose is necessary.

IRIS = Integrated Risk Information System

N/A = Not Applicable

TABLE 5

CANCER TOXICITY DATA – ORAL/DERMAL

POWNAL TANNERY - SOIL REUSE

Chemical of Potential Concern	Oral Cancer Slope Factor		Oral Absorption Efficiency for Dermal	Absorbed Cancer Slope Factor for Dermal		Weight of Evidence/ Cancer Guideline Description	Oral CSF	
	Value	Units	(1)	Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Benzo(a)anthracene	7.3E-01	$(mg/kg\text{-}day)^{-1}$	(1)	7.3E-01	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	04/01/04
Benzo(a)pyrene	7.3E+00	$(mg/kg\text{-}day)^{-1}$	(1)	7.3E+00	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	04/01/04
Benzo(b)fluoranthene	7.3E-01	$(mg/kg\text{-}day)^{-1}$	(1)	7.3E-01	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	04/01/04
Dibenz(a,h)anthracene	7.3E+00	$(mg/kg\text{-}day)^{-1}$	(1)	7.3E+00	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	04/01/04
Dioxin TEQ	1.5E+05	$(mg/kg\text{-}day)^{-1}$	(1)	1.5E+05	$(mg/kg\text{-}day)^{-1}$	B2	HEAST	07/01/97
Arsenic	1.5E+00	$(mg/kg\text{-}day)^{-1}$	(1)	1.5E+00	$(mg/kg\text{-}day)^{-1}$	A	IRIS	04/01/04
Cadmium	N/A	N/A	N/A	N/A	N/A	D	IRIS	04/01/04
Manganese	N/A	N/A	N/A	N/A	N/A	D	IRIS	04/01/04
Mercury (organic)	N/A	N/A	N/A	N/A	N/A	C	IRIS	04/01/04

IRIS = Integrated Risk Information System

HEAST = Health Effects Assessment Summary Tables

N/A = Not Applicable

Slope factor for benzo(a)pyrene, along with the appropriate relative potency factor (USEPA, 1993), used for the other carcinogenic PAHs.

Weight of evidence for mercury (organic) based on methylmercury.

(1) Oral absorption efficiency exceeds 50%. Therefore, no adjustment of the oral slope factor is necessary.

EPA Group:

A - Human carcinogen

B1 - Probable human carcinogen - indicates that limited human data are available

B2 - Probable human carcinogen - indicates sufficient evidence in animals and inadequate or no evidence in humans

C - Possible human carcinogen

D - Not classifiable as a human carcinogen (by the oral route)

E - Evidence of noncarcinogenicity

TABLE 6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfC/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Soil	SC-038 through SC-040	Ingestion													
				Benzo(a)pyrene	1E-01	mg/kg	1.8E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.3E-07	5.3E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	3E-05	mg/kg	4.8E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	7.2E-07	1.4E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	6.8E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.0E-06	2.0E-06	mg/kg-day	3.0E-04	mg/kg-day	6.6E-03
				Manganese	8E+02	mg/kg	1.1E-04	mg/kg-day	N/A	N/A	N/A	3.3E-04	mg/kg-day	7.0E-02	mg/kg-day	4.8E-03
			Exp. Route Total								2E-06					1E-02
			Dermal													
				Benzo(a)pyrene	1E-01	mg/kg	9.4E-09	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	6.8E-08	2.7E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	3E-05	mg/kg	5.8E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	8.6E-08	1.7E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	8.1E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	1.2E-07	2.4E-07	mg/kg-day	3.0E-04	mg/kg-day	7.9E-04
			Exp. Route Total								3E-07					8E-04
		Exposure Point Total									2E-06					1E-02
		SC-041	Ingestion													
				Benzo(a)pyrene	2E-01	mg/kg	3.0E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	2.2E-07	8.8E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	2.3E-12	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	3.5E-07	6.8E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	5.4E-07	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	8.1E-07	1.6E-06	mg/kg-day	3.0E-04	mg/kg-day	5.3E-03
				Manganese	5E+02	mg/kg	7.5E-05	mg/kg-day	N/A	N/A	N/A	2.2E-04	mg/kg-day	7.0E-02	mg/kg-day	3.1E-03
			Exp. Route Total								1E-06					8E-03
			Dermal													
				Benzo(a)pyrene	2E-01	mg/kg	1.6E-08	mg/kg-day	7.3E+00	(mg/kg-day) $^{-1}$	1.1E-07	4.5E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	2.8E-13	mg/kg-day	1.5E+05	(mg/kg-day) $^{-1}$	4.2E-08	8.2E-13	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	6.5E-08	mg/kg-day	1.5E+00	(mg/kg-day) $^{-1}$	9.7E-08	1.9E-07	mg/kg-day	3.0E-04	mg/kg-day	6.3E-04
				Manganese	5E+02	mg/kg	#VALUE!	N/A	N/A	N/A	N/A	#VALUE!	N/A	2.6E-03	mg/kg-day	N/A
			Exp. Route Total								3E-07					6E-04
		Exposure Point Total									2E-06					9E-03
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 6.CT

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Soil	SC-038 through SC-040	Ingestion													
				Benzo(a)pyrene	1E-01	mg/kg	1.2E-09	mg/kg-day	7.3E+00	(mg/kg-day)$^{-1}$	8.4E-09	1.2E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	2.4E-13	mg/kg-day	1.5E+05	(mg/kg-day)$^{-1}$	3.6E-08	2.4E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	4.4E-08	mg/kg-day	1.5E+00	(mg/kg-day)$^{-1}$	6.6E-08	4.4E-07	mg/kg-day	3.0E-04	mg/kg-day	1.5E-03
				Manganese	7E+02	mg/kg	7.4E-06	mg/kg-day	N/A	N/A	N/A	7.4E-05	mg/kg-day	7.0E-02	mg/kg-day	1.1E-03
			Exp. Route Total								1E-07					3E-03
			Dermal													
				Benzo(a)pyrene	1E-01	mg/kg	1.2E-09	mg/kg-day	7.3E+00	(mg/kg-day)$^{-1}$	8.7E-09	1.2E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	5.7E-14	mg/kg-day	1.5E+05	(mg/kg-day)$^{-1}$	8.5E-09	5.7E-13	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.0E-08	mg/kg-day	1.5E+00	(mg/kg-day)$^{-1}$	1.6E-08	1.0E-07	mg/kg-day	3.0E-04	mg/kg-day	3.5E-04
			Exp. Route Total								3E-08					3E-04
		Exposure Point Total									1E-07					3E-03
		SC-041	Ingestion													
				Benzo(a)pyrene	2E-01	mg/kg	2.2E-09	mg/kg-day	7.3E+00	(mg/kg-day)$^{-1}$	1.6E-08	2.2E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	1.7E-13	mg/kg-day	1.5E+05	(mg/kg-day)$^{-1}$	2.6E-08	1.7E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	3.9E-08	mg/kg-day	1.5E+00	(mg/kg-day)$^{-1}$	5.9E-08	3.9E-07	mg/kg-day	3.0E-04	mg/kg-day	1.3E-03
				Manganese	5E+02	mg/kg	5.5E-06	mg/kg-day	N/A	N/A	N/A	5.5E-05	mg/kg-day	7.0E-02	mg/kg-day	7.8E-04
			Exp. Route Total								1E-07					2E-03
			Dermal													
				Benzo(a)pyrene	2E-01	mg/kg	2.3E-09	mg/kg-day	7.3E+00	(mg/kg-day)$^{-1}$	1.7E-08	2.3E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	4.1E-14	mg/kg-day	1.5E+05	(mg/kg-day)$^{-1}$	6.1E-09	4.1E-13	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	9.4E-09	mg/kg-day	1.5E+00	(mg/kg-day)$^{-1}$	1.4E-08	9.4E-08	mg/kg-day	3.0E-04	mg/kg-day	3.1E-04
				Manganese	5E+02	mg/kg	#VALUE!	N/A	N/A	N/A	N/A	#VALUE!	N/A	2.0E-05	mg/kg-day	N/A
			Exp. Route Total								4E-08					3E-04
		Exposure Point Total									1E-07					2E-03
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Soil	SC-038 through SC-040	Ingestion	Benzo(a)pyrene	1E-01	mg/kg	4.2E-08	mg/kg-day	7.3E+00	(mg/kg-day)$^{-1}$	3.1E-07	4.9E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	3E-05	mg/kg	1.1E-11	mg/kg-day	1.5E+05	(mg/kg-day)$^{-1}$	1.7E-06	1.3E-10	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	1.6E-06	mg/kg-day	1.5E+00	(mg/kg-day)$^{-1}$	2.4E-06	1.9E-05	mg/kg-day	3.0E-04	mg/kg-day	6.1E-02
				Manganese	8E+02	mg/kg	2.7E-04	mg/kg-day	N/A	N/A	N/A	3.1E-03	mg/kg-day	7.0E-02	mg/kg-day	4.4E-02
			Exp. Route Total								4E-06					1E-01
			Dermal	Benzo(a)pyrene	1E-01	mg/kg	1.5E-08	mg/kg-day	7.3E+00	(mg/kg-day)$^{-1}$	1.1E-07	1.8E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	3E-05	mg/kg	9.4E-13	mg/kg-day	1.5E+05	(mg/kg-day)$^{-1}$	1.4E-07	1.1E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	5E+00	mg/kg	1.3E-07	mg/kg-day	1.5E+00	(mg/kg-day)$^{-1}$	2.0E-07	1.5E-06	mg/kg-day	3.0E-04	mg/kg-day	5.2E-03
			Exp. Route Total								5E-07					5E-03
		Exposure Point Total									5E-06					1E-01
		SC-041	Ingestion	Benzo(a)pyrene	2E-01	mg/kg	7.0E-08	mg/kg-day	7.3E+00	(mg/kg-day)$^{-1}$	5.1E-07	8.2E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	5.5E-12	mg/kg-day	1.5E+05	(mg/kg-day)$^{-1}$	8.2E-07	6.4E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.3E-06	mg/kg-day	1.5E+00	(mg/kg-day)$^{-1}$	1.9E-06	1.5E-05	mg/kg-day	3.0E-04	mg/kg-day	4.9E-02
				Manganese	5E+02	mg/kg	1.6E-04	mg/kg-day	N/A	N/A	N/A	2.0E-03	mg/kg-day	7.0E-02	mg/kg-day	2.9E-02
			Exp. Route Total								3E-06					8E-02
			Dermal	Benzo(a)pyrene	2E-01	mg/kg	2.6E-08	mg/kg-day	7.3E+00	(mg/kg-day)$^{-1}$	1.9E-07	3.0E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	4.6E-13	mg/kg-day	1.5E+05	(mg/kg-day)$^{-1}$	6.9E-08	5.4E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.1E-07	mg/kg-day	1.5E+00	(mg/kg-day)$^{-1}$	1.6E-07	1.2E-06	mg/kg-day	3.0E-04	mg/kg-day	4.1E-01
				Manganese	5E+02	mg/kg	#VALUE!	N/A	N/A	N/A	N/A	#VALUE!	N/A	2.8E-03	mg/kg-day	N/A
			Exp. Route Total								4E-07					4E-03
		Exposure Point Total									4E-06					8E-02
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 7.CT

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Soil	Soil	SC-038 through SC-040	Ingestion													
				Benzo(a)pyrene	1E-01	mg/kg	3.1E-09	mg/kg-day	7.3E+00	(mg/kg-day)$^{-1}$	2.2E-08	1.1E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	9.3E-13	mg/kg-day	1.5E+05	(mg/kg-day)$^{-1}$	9.5E-08	2.2E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.2E-07	mg/kg-day	1.5E+00	(mg/kg-day)$^{-1}$	1.8E-07	4.1E-06	mg/kg-day	3.0E-04	mg/kg-day	1.4E-02
				Manganese	7E+02	mg/kg	2.0E-05	mg/kg-day	N/A	N/A	N/A	6.8E-04	mg/kg-day	7.0E-02	mg/kg-day	9.9E-03
			Exp. Route Total								3E-07					2E-02
			Dermal													
				Benzo(a)pyrene	1E-01	mg/kg	2.2E-09	mg/kg-day	7.3E+00	(mg/kg-day)$^{-1}$	1.6E-08	7.8E-08	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	1.1E-13	mg/kg-day	1.5E+05	(mg/kg-day)$^{-1}$	1.6E-08	3.7E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	2.0E-08	mg/kg-day	1.5E+00	(mg/kg-day)$^{-1}$	2.9E-08	6.9E-07	mg/kg-day	3.0E-04	mg/kg-day	2.3E-03
			Exp. Route Total								6E-08					2E-03
		Exposure Point Total									4E-07					3E-02
		SC-041	Ingestion													
				Benzo(a)pyrene	2E-01	mg/kg	5.8E-09	mg/kg-day	7.3E+00	(mg/kg-day)$^{-1}$	4.3E-08	2.0E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	4.8E-13	mg/kg-day	1.5E+05	(mg/kg-day)$^{-1}$	8.8E-08	1.8E-11	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.1E-07	mg/kg-day	1.5E+00	(mg/kg-day)$^{-1}$	1.6E-07	3.7E-06	mg/kg-day	3.0E-04	mg/kg-day	1.2E-02
				Manganese	5E+02	mg/kg	1.5E-05	mg/kg-day	N/A	N/A	N/A	5.1E-04	mg/kg-day	7.0E-02	mg/kg-day	7.3E-03
			Exp. Route Total								3E-07					2E-02
			Dermal													
				Benzo(a)pyrene	2E-01	mg/kg	4.3E-09	mg/kg-day	7.3E+00	(mg/kg-day)$^{-1}$	3.1E-08	1.5E-07	mg/kg-day	N/A	N/A	N/A
				Dioxin TEQ	2E-05	mg/kg	7.7E-14	mg/kg-day	1.5E+05	(mg/kg-day)$^{-1}$	1.1E-08	2.7E-12	mg/kg-day	N/A	N/A	N/A
				Arsenic	4E+00	mg/kg	1.8E-08	mg/kg-day	1.5E+00	(mg/kg-day)$^{-1}$	2.7E-08	6.2E-07	mg/kg-day	3.0E-04	mg/kg-day	2.1E-03
				Manganese	5E+02	mg/kg	#VALUE!	N/A	N/A	N/A	N/A	#VALUE!	N/A	2.8E-03	mg/kg-day	N/A
			Exp. Route Total								7E-08					2E-03
		Exposure Point Total									3E-07					2E-02
	Exposure Medium Total										N/A					N/A
Medium Total											N/A					N/A
										Total of Receptor Risks Across All Media	N/A				Total of Receptor Hazards Across All Media	N/A

TABLE 8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-038 through SC-040	Benzo(a)pyrene	4E-07	- -	2E-07	- -	6E-07	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	2E-06	- -	2E-07	- -	3E-06	N/A	N/A	- -	N/A	N/A
			Arsenic	3E-06	- -	3E-07	- -	4E-06	Skin	6E-02	- -	6E-03	7E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	4E-02	- -	N/A	4E-02
			Chemical Total	6E-06	- -	7E-07	- -	7E-06		1E-01	- -	6E-03	1E-01
			Radionuclide Total										
		Exposure Point Total						7E-06					1E-01
	Exposure Medium Total							7E-06					1E-01
Medium Total								7E-06					1E-01
Receptor Total								7E-06					1E-01

-- = Not Evaluated

N/A = Not Applicable

Total Risk Across All Media: 7E-06

Total Hazard Across All Media: 1E-01

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 2E-05

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	N/A
Total Liver HI =	N/A
Total Nervous System HI =	4E-02
Total Skin HI =	7E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

TABLE 8.CT

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-038 through SC-040											
			Benzo(a)pyrene	3E-08	- -	3E-08	- -	6E-08	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	1E-07	- -	2E-08	- -	2E-07	N/A	N/A	- -	N/A	N/A
			Arsenic	2E-07	- -	5E-08	- -	3E-07	Skin	1E-02	- -	2E-03	2E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	1E-02	- -	N/A	1E-02
			Chemical Total	4E-07	- -	9E-08	- -	5E-07		2E-02	- -	2E-03	3E-02
			Radionuclide Total										
		Exposure Point Total						5E-07					3E-02
	Exposure Medium Total							5E-07					3E-02
Medium Total								5E-07					3E-02
Receptor Total								5E-07					3E-02

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 5E-07

Total Hazard Across All Media: 3E-02

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 1E-06

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	N/A
Total Liver HI =	N/A
Total Nervous System HI =	1E-02
Total Skin HI =	2E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

TABLE 9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

REASONABLE MAXIMUM EXPOSURE

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-041											
			Benzo(a)pyrene	7E-07	- -	3E-07	- -	1E-06	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	1E-06	- -	1E-07	- -	1E-06	N/A	N/A	- -	N/A	N/A
			Arsenic	3E-06	- -	3E-07	- -	3E-06	Skin	5E-02	- -	4E-03	5E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	3E-02	- -	N/A	3E-02
			Chemical Total	5E-06	- -	7E-07	- -	5E-06		8E-02	- -	4E-03	8E-02
			Radionuclide Total										
		Exposure Point Total						5E-06					8E-02
	Exposure Medium Total							5E-06					8E-02
Medium Total								5E-06					8E-02
Receptor Total								5E-06					8E-02

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 5E-06

Total Hazard Across All Media: 8E-02

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 1E-05

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	N/A
Total Liver HI =	N/A
Total Nervous System HI =	3E-02
Total Skin HI =	5E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

TABLE 9.CT

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

CENTRAL TENDENCY

POWNAL TANNERY - SOIL REUSE

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Young Child/Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk Young Child + Adult					Non-Carcinogenic Hazard Quotient Young Child				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil	Soil	SC-041											
			Benzo(a)pyrene	6E-08	- -	5E-08	- -	1E-07	N/A	N/A	- -	N/A	N/A
			Dioxin TEQ	9E-08	- -	2E-08	- -	1E-07	N/A	N/A	- -	N/A	N/A
			Arsenic	2E-07	- -	4E-08	- -	3E-07	Skin	1E-02	- -	2E-03	1E-02
			Manganese	N/A	- -	N/A	- -	N/A	Nervous System	7E-03	- -	N/A	7E-03
			Chemical Total	4E-07	- -	1E-07	- -	5E-07		2E-02	- -	2E-03	2E-02
			Radionuclide Total										
		Exposure Point Total						5E-07					2E-02
	Exposure Medium Total							5E-07					2E-02
Medium Total								5E-07					2E-02
Receptor Total								5E-07					2E-02

- - = Not Evaluated
N/A = Not Applicable

Total Risk Across All Media: 5E-07

Total Hazard Across All Media: 2E-02

Should the dioxin slope factor be revised as proposed, the risk for this receptor would increase to: 1E-06

Total Blood HI =	N/A
Total Cardiovascular HI =	N/A
Total Reproductive HI =	N/A
Total General Toxicity HI =	N/A
Total GI System HI =	N/A
Total Immune System HI =	N/A
Total Kidney HI =	N/A
Total Liver HI =	N/A
Total Nervous System HI =	7E-03
Total Skin HI =	1E-02
Total Eye HI =	N/A
Total Alopecia HI =	N/A

APPENDIX M

EXCAVATION LIMITS
SOIL SAMPLE DATA TABLES

Maxymil[illegible]chnologies
Pownal Tannery S[illegible]und Site, Pownal, VT
Confirmatory Soil from Sidewall Sampling - 2004

SampID	LabID	Matrix	SampType	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-001	0407001-01	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/15/2004	87-86-5	Pentachlorophenol	230	U	ug/Kg	230	65.7	4	8270		
CS-001	0407001-01	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/15/2004	56-55-3	Benz[a]anthracene	230		ug/Kg	115	65.7	4	8270		
CS-002	0407001-02	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/16/2004	87-86-5	Pentachlorophenol	290	U	ug/Kg	290	67.4	4	8270		
CS-002	0407001-02	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/16/2004	56-55-3	Benz[a]anthracene	1600		ug/Kg	145	67.4	4	8270		
CS-003	0407001-03	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/16/2004	87-86-5	Pentachlorophenol	250	U	ug/Kg	250	80.6	4	8270		
CS-003	0407001-03	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/16/2004	56-55-3	Benz[a]anthracene	2900		ug/Kg	125	80.6	4	8270		
CS-004	0407001-04	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/16/2004	87-86-5	Pentachlorophenol	360		ug/Kg	315	63.4	4	8270		
CS-004	0407001-04	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/19/2004	56-55-3	Benz[a]anthracene	44000		ug/Kg	3150	63.4	80	8270		
CS-005	0407001-05	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/16/2004	87-86-5	Pentachlorophenol	230	U	ug/Kg	230	86.1	4	8270		
CS-005	0407001-05	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/16/2004	56-55-3	Benz[a]anthracene	1100		ug/Kg	115	86.1	4	8270		
CS-006	0407001-06	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/16/2004	87-86-5	Pentachlorophenol	240	U	ug/Kg	240	81.6	4	8270		
CS-006	0407001-06	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/16/2004	56-55-3	Benz[a]anthracene	530		ug/Kg	120	81.6	4	8270		
CS-007	0407001-07	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/15/2004	87-86-5	Pentachlorophenol	210	U	ug/Kg	210	92.3	4	8270		
CS-007	0407001-07	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/15/2004	56-55-3	Benz[a]anthracene	360		ug/Kg	105	92.3	4	8270		
CS-008	0407001-08	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/16/2004	87-86-5	Pentachlorophenol	250	U	ug/Kg	250	79.3	4	8270		
CS-008	0407001-08	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/16/2004	56-55-3	Benz[a]anthracene	1400		ug/Kg	125	79.3	4	8270		
CS-009	0407001-09	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/16/2004	87-86-5	Pentachlorophenol	240	U	ug/Kg	240	84.1	4	8270		
CS-009	0407001-09	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/16/2004	56-55-3	Benz[a]anthracene	720		ug/Kg	120	84.1	4	8270		
CS-010	0407001-10	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/16/2004	87-86-5	Pentachlorophenol	260	U	ug/Kg	260	76.5	4	8270		
CS-010	0407001-10	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/16/2004	56-55-3	Benz[a]anthracene	630		ug/Kg	130	76.5	4	8270		
CS-011	0407001-11	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/16/2004	87-86-5	Pentachlorophenol	210	U	ug/Kg	210	92.7	4	8270		
CS-011	0407001-11	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/16/2004	56-55-3	Benz[a]anthracene	120		ug/Kg	105	92.7	4	8270		
CS-012	0407001-12	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/15/2004	87-86-5	Pentachlorophenol	240	U	ug/Kg	240	83.0	4	8270		
CS-012	0407001-12	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/15/2004	56-55-3	Benz[a]anthracene	120	U	ug/Kg	120	83.0	4	8270		
CS-013	0407001-13	SO	NX	06/30/2004	07/01/2004	07/07/2004	07/16/2004	87-86-5	Pentachlorophenol	230	U	ug/Kg	230	87.0	4	8270		
CS-013	0407001-13	SO	NX	06/30/2004	07/01/2004	07/07/2004	07/16/2004	56-55-3	Benz[a]anthracene	480		ug/Kg	115	87.0	4	8270		
CS-014	0407001-14	SO	NX	06/30/2004	07/01/2004	07/07/2004	07/16/2004	87-86-5	Pentachlorophenol	240	UJ	ug/Kg	240	82.2	4	8270	I	MS/MSD imprecision
CS-014	0407001-14	SO	NX	06/30/2004	07/01/2004	07/07/2004	07/16/2004	56-55-3	Benz[a]anthracene	450	J	ug/Kg	120	82.2	4	8270	I	MS/MSD imprecision
CSE-014	0407001-15	SO	NX	06/30/2004	07/01/2004	07/07/2004	07/16/2004	87-86-5	Pentachlorophenol	240	U	ug/Kg	240	80.2	4	8270		
CSE-014	0407001-15	SO	NX	06/30/2004	07/01/2004	07/07/2004	07/16/2004	56-55-3	Benz[a]anthracene	600		ug/Kg	120	80.2	4	8270		
RB-005	0407001-16	AQ	NX	06/30/2004	07/01/2004	07/06/2004	07/13/2004	87-86-5	Pentachlorophenol	0.51	U	ng/L	0.51		1	8270		
RB-005	0407001-16	AQ	NX	06/30/2004	07/01/2004	07/06/2004	07/13/2004	56-55-3	Benz[a]anthracene	0.25	U	ng/L	0.25		1	8270		
CS-001	0407001-01	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/19/2004	621-64-7	n-Nitroso-di-n-propylamine	23	U	ug/Kg	23	85.7	4	PAH SIM		
CS-001	0407001-01	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/19/2004	50-32-8	Benzo[a]pyrene	180		ug/Kg	23	85.7	4	PAH SIM		
CS-002	0407001-02	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/19/2004	621-64-7	n-Nitroso-di-n-propylamine	29	U	ug/Kg	29	67.4	4	PAH SIM		
CS-002	0407001-02	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/19/2004	50-32-8	Benzo[a]pyrene	1400		ug/Kg	29	67.4	4	PAH SIM		
CS-003	0407001-03	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/20/2004	621-64-7	n-Nitroso-di-n-propylamine	25	U	ug/Kg	25	80.6	4	PAH SIM		
CS-003	0407001-03	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/20/2004	50-32-8	Benzo[a]pyrene	2400		ug/Kg	25	80.6	4	PAH SIM		
CS-004	0407001-04	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/20/2004	621-64-7	n-Nitroso-di-n-propylamine	130	U	ug/Kg	130	63.4	80	PAH SIM		
CS-004	0407001-04	SO	NX	06/23/2004	06/25/2004	07/07/2004	07/20/2004	50-32-8	Benzo[a]pyrene	37000		ug/Kg	130	63.4	80	PAH SIM		
CS-005	0407001-05	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/20/2004	621-64-7	n-Nitroso-di-n-propylamine	23	U	ug/Kg	23	86.1	4	PAH SIM		
CS-005	0407001-05	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/20/2004	50-32-8	Benzo[a]pyrene	960		ug/Kg	23	86.1	4	PAH SIM		
CS-006	0407001-06	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/20/2004	621-64-7	n-Nitroso-di-n-propylamine	24	U	ug/Kg	24	81.6	4	PAH SIM		
CS-006	0407001-06	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/20/2004	50-32-8	Benzo[a]pyrene	430		ug/Kg	24	81.6	4	PAH SIM		
CS-007	0407001-07	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/20/2004	621-64-7	n-Nitroso-di-n-propylamine	21	U	ug/Kg	21	92.3	4	PAH SIM		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymil' Technologies
Pownal Tannery S rfund Site, Pownal, VT
Confirmatory Soil from Sidewall Sampling - 2004

SampID	LabID	Matrix	SampType	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-007	0407001-07	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/20/2004	50-32-8	Benzo[a]pyrene	250		ug/Kg	21	92.3	4	PAH SIM		
CS-008	0407001-08	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/20/2004	621-64-7	n-Nitroso-di-n-propylamine	25	U	ug/Kg	25	79.3	4	PAH SIM		
CS-008	0407001-08	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/20/2004	50-32-8	Benzo[a]pyrene	1200		ug/Kg	25	79.3	4	PAH SIM		
CS-009	0407001-09	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/20/2004	621-64-7	n-Nitroso-di-n-propylamine	24	U	ug/Kg	24	84.1	4	PAH SIM		
CS-009	0407001-09	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/20/2004	50-32-8	Benzo[a]pyrene	630		ug/Kg	24	84.1	4	PAH SIM		
CS-010	0407001-10	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/20/2004	621-64-7	n-Nitroso-di-n-propylamine	26	U	ug/Kg	26	76.5	4	PAH SIM		
CS-010	0407001-10	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/20/2004	50-32-8	Benzo[a]pyrene	530		ug/Kg	26	76.5	4	PAH SIM		
CS-011	0407001-11	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/20/2004	621-64-7	n-Nitroso-di-n-propylamine	21	U	ug/Kg	21	92.7	4	PAH SIM		
CS-011	0407001-11	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/20/2004	50-32-8	Benzo[a]pyrene	83		ug/Kg	21	92.7	4	PAH SIM		
CS-012	0407001-12	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/19/2004	621-64-7	n-Nitroso-di-n-propylamine	24	U	ug/Kg	24	83.0	4	PAH SIM		
CS-012	0407001-12	SO	NX	06/29/2004	07/01/2004	07/07/2004	07/19/2004	50-32-8	Benzo[a]pyrene	24	U	ug/Kg	24	83.0	4	PAH SIM		
CS-013	0407001-13	SO	NX	06/30/2004	07/01/2004	07/07/2004	07/20/2004	621-64-7	n-Nitroso-di-n-propylamine	23	U	ug/Kg	23	87.0	4	PAH SIM		
CS-013	0407001-13	SO	NX	06/30/2004	07/01/2004	07/07/2004	07/20/2004	50-32-8	Benzo[a]pyrene	360		ug/Kg	23	87.0	4	PAH SIM		
CS-014	0407001-14	SO	NX	06/30/2004	07/01/2004	07/07/2004	07/20/2004	621-64-7	n-Nitroso-di-n-propylamine	24	U	ug/Kg	24	82.2	4	PAH SIM		
CS-014	0407001-14	SO	NX	06/30/2004	07/01/2004	07/07/2004	07/20/2004	50-32-8	Benzo[a]pyrene	360	J	ug/Kg	24	82.2	4	PAH SIM	I	MS/MSD imprecision
CSE-014	0407001-15	SO	NX	06/30/2004	07/01/2004	07/07/2004	07/20/2004	621-64-7	n-Nitroso-di-n-propylamine	24	U	ug/Kg	24	80.2	4	PAH SIM		
CSE-014	0407001-15	SO	NX	06/30/2004	07/01/2004	07/07/2004	07/20/2004	50-32-8	Benzo[a]pyrene	480		ug/Kg	24	80.2	4	PAH SIM		
RB-006	0407001-16	AQ	NX	06/30/2004	07/01/2004	07/06/2004	07/19/2004	621-64-7	n-Nitroso-di-n-propylamine	50	U	ng/L	50		1	PAH SIM		
RB-005	0407001-16	AQ	NX	06/30/2004	07/01/2004	07/06/2004	07/19/2004	50-32-8	Benzo[a]pyrene	50	U	ng/L	50		1	PAH SIM		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Pownal Tannery [illegible]nd Site, Pownal, VT
Confirmatory Soil fr[illegible]wells Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	51207-31-9	2,3,7,8-TCDF	1.7		ng/Kg	0.39	0.93	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	1746-01-6	2,3,7,8-TCDD	1.3		ng/Kg	0.6	0.93	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	57117-41-6	1,2,3,7,8-PeCDF	1.5	J	ng/Kg	0.98	0.93	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	57117-31-4	2,3,4,7,8-PeCDF	1.8	J	ng/Kg	0.98	0.93	1	SW-8290	I	Result uncertain below the calibration range
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	40321-76-4	1,2,3,7,8-PeCDD	4.7	J	ng/Kg	1	0.93	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	70648-26-9	1,2,3,4,7,8-HxCDF	3.7	J	ng/Kg	0.98	0.93	1	SW-8290	I	Result uncertain below the calibration range
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	57117-44-9	1,2,3,6,7,8-HxCDF	2.3	J	ng/Kg	0.98	0.93	1	SW-8290	I	Result uncertain below the calibration range
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	60851-34-5	2,3,4,6,7,8-HxCDF	3.3	J	ng/Kg	0.98	0.93	1	SW-8290	I	Result uncertain below the calibration range
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.98	UJ	ng/Kg	0.98	0.93	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	39227-28-6	1,2,3,4,7,8-HxCDD	7.3		ng/Kg	0.98	0.93	1	SW-8290		
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	57653-85-7	1,2,3,6,7,8-HxCDD	25		ng/Kg	0.98	0.93	1	SW-8290		
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	19408-74-3	1,2,3,7,8,9-HxCDD	8.7		ng/Kg	0.98	0.93	1	SW-8290		
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	140		ng/Kg	0.98	0.93	1	SW-8290		
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	7		ng/Kg	0.98	0.93	1	SW-8290		
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	1100		ng/Kg	0.98	0.93	1	SW-8290		
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	39001-02-0	OCDF	360		ng/Kg	2	0.93	1	SW-8290		
CS-001	105804801	SO	6/23/2004	7/10/2004	7/13/2004	3268-87-9	OCDD	11000		ng/Kg	2	0.93	1	SW-8290		
CS-001	105804801	SO	6/23/2004	7/10/2004			TEQ using 89-ITE-Factors	34		ng/Kg		0.93		SW-8290		
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	51207-31-9	2,3,7,8-TCDF	3.3		ng/Kg	0.93	0.74	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	1746-01-6	2,3,7,8-TCDD	7.8		ng/Kg	0.83	0.74	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	57117-41-6	1,2,3,7,8-PeCDF	76	J	ng/Kg	0.98	0.74	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	57117-31-4	2,3,4,7,8-PeCDF	4.2	J	ng/Kg	0.98	0.74	1	SW-8290	I	Result uncertain below the calibration range
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	40321-76-4	1,2,3,7,8-PeCDD	17		ng/Kg	0.98	0.74	1	SW-8290		
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	70648-26-9	1,2,3,4,7,8-HxCDF	28		ng/Kg	0.98	0.74	1	SW-8290		
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	57117-44-9	1,2,3,6,7,8-HxCDF	24		ng/Kg	0.98	0.74	1	SW-8290		
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	60851-34-5	2,3,4,6,7,8-HxCDF	21		ng/Kg	0.98	0.74	1	SW-8290		
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	72918-21-9	1,2,3,7,8,9-HxCDF	2.4	J	ng/Kg	0.98	0.74	1	SW-8290	I	Result uncertain below the calibration range
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	39227-28-6	1,2,3,4,7,8-HxCDD	18		ng/Kg	0.98	0.74	1	SW-8290		
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	57653-85-7	1,2,3,6,7,8-HxCDD	160		ng/Kg	0.98	0.74	1	SW-8290		
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	19408-74-3	1,2,3,7,8,9-HxCDD	37		ng/Kg	0.98	0.74	1	SW-8290		
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	1200		ng/Kg	1	0.74	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	55		ng/Kg	1.3	0.74	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	8900		ng/Kg	0.98	0.74	1	SW-8290		
CS-002	105804819	SO	6/23/2004	7/10/2004	7/19/2004	39001-02-0	OCDF	3800		ng/Kg	2	0.74	1	SW-8290		
CS-002	105804819	SO	6/23/2004	7/10/2004	7/14/2004	3268-87-9	OCDD	98000		ng/Kg	2.1	0.74	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-002	105804819	SO	6/23/2004	7/10/2004			TEQ using 89-ITE-Factors	250		ng/Kg		0.74		SW-8290		
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	51207-31-9	2,3,7,8-TCDF	2.8	J	ng/Kg	0.81	0.81	1	SW-8290	H	Interference present; RL = EDL
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	1746-01-6	2,3,7,8-TCDD	8		ng/Kg	1.1	0.81	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	57117-41-6	1,2,3,7,8-PeCDF	63	J	ng/Kg	1.1	0.81	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference; RL = EDL
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	57117-31-4	2,3,4,7,8-PeCDF	7		ng/Kg	0.98	0.81	1	SW-8290		
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	40321-76-4	1,2,3,7,8-PeCDD	15		ng/Kg	1.6	0.81	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	70648-26-9	1,2,3,4,7,8-HxCDF	23		ng/Kg	1.3	0.81	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	57117-44-9	1,2,3,6,7,8-HxCDF	15		ng/Kg	1.6	0.81	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	60851-34-5	2,3,4,6,7,8-HxCDF	9.4		ng/Kg	0.98	0.81	1	SW-8290		
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	72918-21-9	1,2,3,7,8,9-HxCDF	4.8	J	ng/Kg	0.98	0.81	1	SW-8290	I	Result uncertain below the calibration range
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	39227-28-6	1,2,3,4,7,8-HxCDD	17		ng/Kg	0.98	0.81	1	SW-8290		
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	57653-85-7	1,2,3,6,7,8-HxCDD	160		ng/Kg	0.98	0.81	1	SW-8290		
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	19408-74-3	1,2,3,7,8,9-HxCDD	48		ng/Kg	0.98	0.81	1	SW-8290		
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	1200		ng/Kg	0.98	0.81	1	SW-8290		
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	61		ng/Kg	1.4	0.81	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	8100		ng/Kg	0.98	0.81	1	SW-8290		
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	39001-02-0	OCDF	2500		ng/Kg	2	0.81	1	SW-8290		
CS-003	105804827	SO	6/23/2004	7/10/2004	7/13/2004	3268-87-9	OCDD	89000		ng/Kg	2	0.81	1	SW-8290		
CS-003	105804827	SO	6/23/2004	7/10/2004			TEQ using 89-ITE-Factors	230		ng/Kg		0.81		SW-8290		
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	51207-31-9	2,3,7,8-TCDF	8.9	UJ	ng/Kg	8.9	0.68	5	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	1746-01-6	2,3,7,8-TCDD	7.7		ng/Kg	7.4	0.68	5	SW-8290		RL = Estimated Detection Limit (EDL)
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	57117-41-6	1,2,3,7,8-PeCDF	37	J	ng/Kg	8.7	0.68	5	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference; RL = EDL
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	57117-31-4	2,3,4,7,8-PeCDF	9.5	UJ	ng/Kg	9.5	0.68	5	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	40321-76-4	1,2,3,7,8-PeCDD	48		ng/Kg	9.9	0.68	5	SW-8290		RL = Estimated Detection Limit (EDL)
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	70648-26-9	1,2,3,4,7,8-HxCDF	15	J	ng/Kg	6.3	0.68	5	SW-8290	I	Result uncertain below the calibration range; RL = EDL
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	57117-44-9	1,2,3,6,7,8-HxCDF	19	J	ng/Kg	9	0.68	5	SW-8290	I	Result uncertain below the calibration range; RL = EDL
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	60851-34-5	2,3,4,6,7,8-HxCDF	28		ng/Kg	4.9	0.68	5	SW-8290		
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	72918-21-9	1,2,3,7,8,9-HxCDF	8.9	UJ	ng/Kg	8.9	0.68	5	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	39227-28-6	1,2,3,4,7,8-HxCDD	34	J	ng/Kg	4.9	0.68	5	SW-8290	H	High IS Recovery
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	57653-85-7	1,2,3,6,7,8-HxCDD	210		ng/Kg	4.9	0.68	5	SW-8290		
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	19408-74-3	1,2,3,7,8,9-HxCDD	55		ng/Kg	4.9	0.68	5	SW-8290		
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	1200		ng/Kg	6.8	0.68	5	SW-8290		RL = Estimated Detection Limit (EDL)
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	67		ng/Kg	9.5	0.68	5	SW-8290		RL = Estimated Detection Limit (EDL)
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	12000		ng/Kg	8.1	0.68	5	SW-8290		RL = Estimated Detection Limit (EDL)
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	39001-02-0	OCDF	3800		ng/Kg	9.8	0.68	5	SW-8290		
CS-004	105804835	SO	6/23/2004	7/10/2004	7/19/2004	3268-87-9	OCDD	170000		ng/Kg	13	0.68	5	SW-8290		RL = Estimated Detection Limit (EDL)
CS-004	105804835	SO	6/23/2004	7/10/2004			TEQ using 89-ITE-Factors	370		ng/Kg		0.68		SW-8290		
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	51207-31-9	2,3,7,8-TCDF	4.6		ng/Kg	1.6	0.84	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	1746-01-6	2,3,7,8-TCDD	4.2		ng/Kg	1.1	0.84	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	57117-41-6	1,2,3,7,8-PeCDF	96	J	ng/Kg	2.1	0.84	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference; RL = EDL
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	57117-31-4	2,3,4,7,8-PeCDF	7.6		ng/Kg	2.3	0.84	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	40321-76-4	1,2,3,7,8-PeCDD	17		ng/Kg	2.8	0.84	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	70648-26-9	1,2,3,4,7,8-HxCDF	20		ng/Kg	1.9	0.84	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	57117-44-9	1,2,3,6,7,8-HxCDF	38	J	ng/Kg	1.9	0.84	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference; RL = EDL
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	60851-34-5	2,3,4,6,7,8-HxCDF	31		ng/Kg	2.4	0.84	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	72918-21-9	1,2,3,7,8,9-HxCDF	6.1		ng/Kg	1.7	0.84	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	39227-28-6	1,2,3,4,7,8-HxCDD	16		ng/Kg	1.7	0.84	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	57653-85-7	1,2,3,6,7,8-HxCDD	130		ng/Kg	5.1	0.84	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	19408-74-3	1,2,3,7,8,9-HxCDD	46		ng/Kg	1.6	0.84	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	850		ng/Kg	1.2	0.84	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	38		ng/Kg	1.4	0.84	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	6700		ng/Kg	0.99	0.84	1	SW-8290		
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	39001-02-0	OCDF	1700		ng/Kg	2	0.84	1	SW-8290		
CS-005	105804843	SO	6/29/2004	7/10/2004	7/14/2004	3268-87-9	OCDD	76000		ng/Kg	2	0.84	1	SW-8290		
CS-005	105804843	SO	6/29/2004	7/10/2004			TEQ using 89-ITE-Factors	190		ng/Kg		0.84		SW-8290		
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	51207-31-9	2,3,7,8-TCDF	8.3		ng/Kg	2.6	0.75	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	1746-01-6	2,3,7,8-TCDD	6.1		ng/Kg	3.8	0.75	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	57117-41-6	1,2,3,7,8-PeCDF	68	J	ng/Kg	3.3	0.75	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference; RL = EDL
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	57117-31-4	2,3,4,7,8-PeCDF	7.1		ng/Kg	2.5	0.75	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	40321-76-4	1,2,3,7,8-PeCDD	24	J	ng/Kg	4	0.75	1	SW-8290	H	Interference present; RL = EDL
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	70648-26-9	1,2,3,4,7,8-HxCDF	15		ng/Kg	0.99	0.75	1	SW-8290		
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	57117-44-9	1,2,3,6,7,8-HxCDF	21	J	ng/Kg	1.5	0.75	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference; RL = EDL
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	60851-34-5	2,3,4,6,7,8-HxCDF	9		ng/Kg	1.2	0.75	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	72918-21-9	1,2,3,7,8,9-HxCDF	3.4	J	ng/Kg	0.99	0.75	1	SW-8290	I	Result uncertain below the calibration range
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	39227-28-6	1,2,3,4,7,8-HxCDD	18		ng/Kg	2.8	0.75	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	57653-85-7	1,2,3,6,7,8-HxCDD	120		ng/Kg	2.6	0.75	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	19408-74-3	1,2,3,7,8,9-HxCDD	59		ng/Kg	3.5	0.75	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	580		ng/Kg	0.99	0.75	1	SW-8290		
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	25		ng/Kg	1.2	0.75	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	8400		ng/Kg	1.4	0.75	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	39001-02-0	OCDF	1100		ng/Kg	2	0.75	1	SW-8290		
CS-006	105804868	SO	6/29/2004	7/10/2004	7/14/2004	3268-87-9	OCDD	94000		ng/Kg	3.6	0.75	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-006	105804868	SO	6/29/2004	7/10/2004			TEQ using 89-ITE-Factors	220		ng/Kg		0.75		SW-8290		
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	51207-31-9	2,3,7,8-TCDF	2.6		ng/Kg	0.89	0.82	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	1746-01-6	2,3,7,8-TCDD	2.3		ng/Kg	0.58	0.82	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	57117-41-6	1,2,3,7,8-PeCDF	1.1	UJ	ng/Kg	1.1	0.82	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	57117-31-4	2,3,4,7,8-PeCDF	3.4	J	ng/Kg	0.99	0.82	1	SW-8290	I	Result uncertain below the calibration range
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	40321-76-4	1,2,3,7,8-PeCDD	7.7	J	ng/Kg	1.2	0.82	1	SW-8290	H	Interference present; RL = EDL
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	70648-26-9	1,2,3,4,7,8-HxCDF	7.6		ng/Kg	0.99	0.82	1	SW-8290		
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	57117-44-9	1,2,3,6,7,8-HxCDF	7.8		ng/Kg	0.99	0.82	1	SW-8290		
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	60851-34-5	2,3,4,6,7,8-HxCDF	19		ng/Kg	0.99	0.82	1	SW-8290		
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	72918-21-9	1,2,3,7,8,9-HxCDF	2.8	J	ng/Kg	0.99	0.82	1	SW-8290	I	Result uncertain below the calibration range
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	39227-28-6	1,2,3,4,7,8-HxCDD	5.9		ng/Kg	0.99	0.82	1	SW-8290		
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	57653-85-7	1,2,3,6,7,8-HxCDD	49		ng/Kg	0.99	0.82	1	SW-8290		
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	19408-74-3	1,2,3,7,8,9-HxCDD	15		ng/Kg	0.99	0.82	1	SW-8290		
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	360		ng/Kg	0.99	0.82	1	SW-8290		
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	23		ng/Kg	0.99	0.82	1	SW-8290		
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	2000		ng/Kg	1.8	0.82	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-007	105804876	SO	6/29/2004	7/10/2004	7/15/2004	39001-02-0	OCDF	1700		ng/Kg	2	0.82	1	SW-8290		
CS-007	105804876	SO	6/29/2004	7/10/2004	7/13/2004	3268-87-9	OCDD	25000	J	ng/Kg	4	0.82	1	SW-8290	H	High Calibration Verification; RL = EDL
CS-007	105804876	SO	6/29/2004	7/10/2004			TEQ using 89-ITE-Factors	66		ng/Kg		0.82		SW-8290		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	51207-31-9	2,3,7,8-TCDF	8.1		ng/Kg	2	0.77	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	1746-01-6	2,3,7,8-TCDD	1.6	UJ	ng/Kg	1.6	0.77	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	57117-41-6	1,2,3,7,8-PeCDF	7	J	ng/Kg	2.6	0.77	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference; RL = EDL
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	57117-31-4	2,3,4,7,8-PeCDF	6.3		ng/Kg	2.7	0.77	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	40321-76-4	1,2,3,7,8-PeCDD	5.8		ng/Kg	2	0.77	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	70648-26-9	1,2,3,4,7,8-HxCDF	13		ng/Kg	1.4	0.77	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	57117-44-9	1,2,3,6,7,8-HxCDF	54	J	ng/Kg	1.1	0.77	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference; RL = EDL
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	60851-34-5	2,3,4,6,7,8-HxCDF	3.7	J	ng/Kg	1.1	0.77	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1.4	UJ	ng/Kg	1.4	0.77	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	39227-28-6	1,2,3,4,7,8-HxCDD	5.7		ng/Kg	1.6	0.77	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	57653-85-7	1,2,3,6,7,8-HxCDD	26		ng/Kg	1.9	0.77	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	19408-74-3	1,2,3,7,8,9-HxCDD	22		ng/Kg	1.6	0.77	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	190		ng/Kg	0.99	0.77	1	SW-8290		
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	7.8		ng/Kg	0.99	0.77	1	SW-8290		
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	880		ng/Kg	1.7	0.77	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	39001-02-0	OCDF	370		ng/Kg	2	0.77	1	SW-8290		
CS-008	105804884	SO	6/29/2004	7/10/2004	7/14/2004	3268-87-9	OCDD	7700		ng/Kg	3.3	0.77	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-008	105804884	SO	6/29/2004	7/10/2004			TEQ using 89-ITE-Factors	33		ng/Kg		0.77		SW-8290		
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	51207-31-9	2,3,7,8-TCDF	2.4		ng/Kg	0.62	0.92	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	1746-01-6	2,3,7,8-TCDD	1.6		ng/Kg	1.4	0.92	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	57117-41-6	1,2,3,7,8-PeCDF	1.4	UJ	ng/Kg	1.4	0.92	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	57117-31-4	2,3,4,7,8-PeCDF	2.9	J	ng/Kg	1.2	0.92	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	40321-76-4	1,2,3,7,8-PeCDD	9.3	J	ng/Kg	1.4	0.92	1	SW-8290	H	Interference present; RL = EDL
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	70648-26-9	1,2,3,4,7,8-HxCDF	4.7	J	ng/Kg	0.99	0.92	1	SW-8290	I	Result uncertain below the calibration range
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	57117-44-9	1,2,3,6,7,8-HxCDF	3.4	J	ng/Kg	0.99	0.92	1	SW-8290	I	Result uncertain below the calibration range
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	60851-34-5	2,3,4,6,7,8-HxCDF	3.5	J	ng/Kg	0.99	0.92	1	SW-8290	I	Result uncertain below the calibration range
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	72918-21-9	1,2,3,7,8,9-HxCDF	2.2	J	ng/Kg	0.99	0.92	1	SW-8290	I	Result uncertain below the calibration range
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	39227-28-6	1,2,3,4,7,8-HxCDD	4.6	J	ng/Kg	1.2	0.92	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	57653-85-7	1,2,3,6,7,8-HxCDD	32		ng/Kg	0.99	0.92	1	SW-8290		
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	19408-74-3	1,2,3,7,8,9-HxCDD	17		ng/Kg	1	0.92	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	170		ng/Kg	0.99	0.92	1	SW-8290		
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	10		ng/Kg	0.99	0.92	1	SW-8290		
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	1700		ng/Kg	0.99	0.92	1	SW-8290		
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	39001-02-0	OCDF	420		ng/Kg	2	0.92	1	SW-8290		
CS-009	105804892	SO	6/29/2004	7/10/2004	7/14/2004	3268-87-9	OCDD	22000		ng/Kg	2.7	0.92	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-009	105804892	SO	6/29/2004	7/10/2004			TEQ using 89-ITE-Factors	61		ng/Kg		0.92		SW-8290		
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	51207-31-9	2,3,7,8-TCDF	2.3		ng/Kg	1.5	0.88	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	1746-01-6	2,3,7,8-TCDD	2.4	UJ	ng/Kg	2.4	0.88	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	57117-41-6	1,2,3,7,8-PeCDF	6.7	J	ng/Kg	0.99	0.88	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference; RL = EDL
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	57117-31-4	2,3,4,7,8-PeCDF	2.2	UJ	ng/Kg	2.2	0.88	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	40321-76-4	1,2,3,7,8-PeCDD	7.3		ng/Kg	2.5	0.88	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	70648-26-9	1,2,3,4,7,8-HxCDF	16	J	ng/Kg	1.3	0.88	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference; RL = EDL
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	57117-44-9	1,2,3,6,7,8-HxCDF	4.1	J	ng/Kg	1.1	0.88	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference; RL = EDL
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	60851-34-5	2,3,4,6,7,8-HxCDF	5.9		ng/Kg	1.2	0.88	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1.2	UJ	ng/Kg	1.2	0.88	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	39227-28-6	1,2,3,4,7,8-HxCDD	6.4		ng/Kg	1.7	0.88	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	57653-85-7	1,2,3,6,7,8-HxCDD	45		ng/Kg	1.5	0.88	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	19408-74-3	1,2,3,7,8,9-HxCDD	27		ng/Kg	1.7	0.88	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	230		ng/Kg	0.99	0.88	1	SW-8290		
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	10		ng/Kg	2	0.88	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	2000		ng/Kg	0.99	0.88	1	SW-8290		
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	39001-02-0	OCDF	550		ng/Kg	2	0.88	1	SW-8290		
CS-010	105804900	SO	6/29/2004	7/10/2004	7/14/2004	3268-87-9	OCDD	28000		ng/Kg	2.3	0.88	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-010	105804900	SO	6/29/2004	7/10/2004			TEQ using 89-ITE-Factors	63		ng/Kg		0.88		SW-8290		
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	51207-31-9	2,3,7,8-TCDF	0.98		ng/Kg	0.46	0.93	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	1746-01-6	2,3,7,8-TCDD	0.65	J	ng/Kg	0.63	0.93	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	57117-41-6	1,2,3,7,8-PeCDF	0.98	UJ	ng/Kg	0.98	0.93	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	57117-31-4	2,3,4,7,8-PeCDF	0.98	UJ	ng/Kg	0.98	0.93	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	40321-76-4	1,2,3,7,8-PeCDD	1.2	J	ng/Kg	0.98	0.93	1	SW-8290	I	Result uncertain below the calibration range
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	70648-26-9	1,2,3,4,7,8-HxCDF	1.6	J	ng/Kg	0.98	0.93	1	SW-8290	H	Interference present
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1.3	J	ng/Kg	0.98	0.93	1	SW-8290	I	Result uncertain below the calibration range
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.98	UJ	ng/Kg	0.98	0.93	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.98	UJ	ng/Kg	0.98	0.93	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	39227-28-6	1,2,3,4,7,8-HxCDD	1.8	J	ng/Kg	0.98	0.93	1	SW-8290	I	Result uncertain below the calibration range
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	57653-85-7	1,2,3,6,7,8-HxCDD	6.4		ng/Kg	0.98	0.93	1	SW-8290		
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	19408-74-3	1,2,3,7,8,9-HxCDD	2.8	J	ng/Kg	0.98	0.93	1	SW-8290	I	Result uncertain below the calibration range
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	36		ng/Kg	0.98	0.93	1	SW-8290		
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	2.1	J	ng/Kg	0.98	0.93	1	SW-8290	I	Result uncertain below the calibration range
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	180		ng/Kg	0.98	0.93	1	SW-8290		
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	39001-02-0	OCDF	99		ng/Kg	2	0.93	1	SW-8290		
CS-011	105804934	SO	6/29/2004	7/10/2004	7/13/2004	3268-87-9	OCDD	1600		ng/Kg	2	0.93	1	SW-8290		
CS-011	105804934	SO	6/29/2004	7/10/2004			TEQ using 89-ITE-Factors	6.4		ng/Kg		0.93		SW-8290		
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	51207-31-9	2,3,7,8-TCDF	0.42	UJ	ng/Kg	0.42	0.82	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	1746-01-6	2,3,7,8-TCDD	0.81	UJ	ng/Kg	0.81	0.82	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	57117-41-6	1,2,3,7,8-PeCDF	0.97	UJ	ng/Kg	0.97	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	57117-31-4	2,3,4,7,8-PeCDF	0.97	UJ	ng/Kg	0.97	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	40321-76-4	1,2,3,7,8-PeCDD	0.97	UJ	ng/Kg	0.97	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	70648-26-9	1,2,3,4,7,8-HxCDF	0.97	UJ	ng/Kg	0.97	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	57117-44-9	1,2,3,6,7,8-HxCDF	0.97	UJ	ng/Kg	0.97	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.97	UJ	ng/Kg	0.97	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.97	UJ	ng/Kg	0.97	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	39227-28-6	1,2,3,4,7,8-HxCDD	0.97	UJ	ng/Kg	0.97	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	57653-85-7	1,2,3,6,7,8-HxCDD	0.97	UJ	ng/Kg	0.97	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	19408-74-3	1,2,3,7,8,9-HxCDD	0.97	UJ	ng/Kg	0.97	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	0.97	UJ	ng/Kg	0.97	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.97	UJ	ng/Kg	0.97	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	2.3	J	ng/Kg	0.97	0.82	1	SW-8290	I	Result uncertain below the calibration range
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	39001-02-0	OCDF	3.4	J	ng/Kg	1.9	0.82	1	SW-8290	I	Result uncertain below the calibration range
CS-012	105804942	SO	6/29/2004	7/10/2004	7/13/2004	3268-87-9	OCDD	23	U	ng/Kg	1.9	0.82	1	SW-8290		Blank Action
CS-012	105804942	SO	6/29/2004	7/10/2004			TEQ using 89-ITE-Factors	0.026		ng/Kg		0.82		SW-8290		Adjusted due to Blank Action
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	51207-31-9	2,3,7,8-TCDF	1.7		ng/Kg	0.67	0.86	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	1746-01-6	2,3,7,8-TCDD	1	UJ	ng/Kg	1	0.86	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	57117-41-6	1,2,3,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	57117-31-4	2,3,4,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	40321-76-4	1,2,3,7,8-PeCDD	0.99	UJ	ng/Kg	0.99	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	70648-26-9	1,2,3,4,7,8-HxCDF	1.4	J	ng/Kg	0.99	0.86	1	SW-8290	I	Result uncertain below the calibration range
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	57117-44-9	1,2,3,6,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.99	UJ	ng/Kg	0.99	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	39227-28-6	1,2,3,4,7,8-HxCDD	0.99	UJ	ng/Kg	0.99	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	57653-85-7	1,2,3,6,7,8-HxCDD	0.99	UJ	ng/Kg	0.99	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	19408-74-3	1,2,3,7,8,9-HxCDD	0.99	UJ	ng/Kg	0.99	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	19		ng/Kg	0.99	0.86	1	SW-8290		
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.99	UJ	ng/Kg	0.99	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	11		ng/Kg	0.99	0.86	1	SW-8290		
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	39001-02-0	OCDF	18		ng/Kg	2	0.86	1	SW-8290		
CS-013	105804959	SO	6/30/2004	7/10/2004	7/13/2004	3268-87-9	OCDD	98		ng/Kg	2	0.86	1	SW-8290		
CS-013	105804959	SO	6/30/2004	7/10/2004			TEQ using 89-ITE-Factors	0.72		ng/Kg		0.86		SW-8290		
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	51207-31-9	2,3,7,8-TCDF	3.2		ng/Kg	0.54	0.84	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	1746-01-6	2,3,7,8-TCDD	1.3	J	ng/Kg	0.63	0.84	1	SW-8290	I	MD Imprecision; RL = EDL
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	57117-41-6	1,2,3,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.84	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	57117-31-4	2,3,4,7,8-PeCDF	2.4	J	ng/Kg	0.99	0.84	1	SW-8290	I	Result uncertain below the calibration range
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	40321-76-4	1,2,3,7,8-PeCDD	1.3	J	ng/Kg	0.99	0.84	1	SW-8290	I	Result uncertain below the calibration range
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	70648-26-9	1,2,3,4,7,8-HxCDF	3.2	J	ng/Kg	0.99	0.84	1	SW-8290	I	Result uncertain below the calibration range
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	57117-44-9	1,2,3,6,7,8-HxCDF	2.3	J	ng/Kg	0.99	0.84	1	SW-8290	I	Result uncertain below the calibration range
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	60851-34-5	2,3,4,6,7,8-HxCDF	1.6	J	ng/Kg	0.99	0.84	1	SW-8290	I	Result uncertain below the calibration range
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1.2	J	ng/Kg	0.99	0.84	1	SW-8290	I	Result uncertain below the calibration range
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	39227-28-6	1,2,3,4,7,8-HxCDD	4	J	ng/Kg	0.99	0.84	1	SW-8290	I	Result uncertain below the calibration range
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	57653-85-7	1,2,3,6,7,8-HxCDD	13		ng/Kg	0.99	0.84	1	SW-8290		
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	19408-74-3	1,2,3,7,8,9-HxCDD	4.1	J	ng/Kg	0.99	0.84	1	SW-8290	I	Result uncertain below the calibration range
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	65		ng/Kg	0.99	0.84	1	SW-8290		
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	4.2	J	ng/Kg	0.99	0.84	1	SW-8290	I	Result uncertain below the calibration range
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	360		ng/Kg	0.99	0.84	1	SW-8290		
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	39001-02-0	OCDF	180		ng/Kg	2	0.84	1	SW-8290		
CS-014	105804967	SO	6/30/2004	7/10/2004	7/13/2004	3268-87-9	OCDD	3600		ng/Kg	2	0.84	1	SW-8290		
CS-014	105804967	SO	6/30/2004	7/10/2004			TEQ using 89-ITE-Factors	14		ng/Kg		0.84		SW-8290		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	51207-31-9	2,3,7,8-TCDF	4.4		ng/Kg	1.2	0.79	1	SW-8290		RL = Estimated Detection Limit (EDL)
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	1746-01-6	2,3,7,8-TCDD	1.7		ng/Kg	1.1	0.79	1	SW-8290		RL = Estimated Detection Limit (EDL)
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	57117-41-6	1,2,3,7,8-PeCDF	1.8	J	ng/Kg	1.3	0.79	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference; RL = EDL
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	57117-31-4	2,3,4,7,8-PeCDF	3.6	J	ng/Kg	0.99	0.79	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	40321-76-4	1,2,3,7,8-PeCDD	1.8	J	ng/Kg	0.98	0.79	1	SW-8290	I	Result uncertain below the calibration range
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	70648-26-9	1,2,3,4,7,8-HxCDF	4.3	J	ng/Kg	0.98	0.79	1	SW-8290	I	Result uncertain below the calibration range
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	57117-44-9	1,2,3,6,7,8-HxCDF	2.7	J	ng/Kg	0.98	0.79	1	SW-8290	I	Result uncertain below the calibration range
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	60851-34-5	2,3,4,6,7,8-HxCDF	2.7	J	ng/Kg	0.98	0.79	1	SW-8290	I	Result uncertain below the calibration range
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1.7	J	ng/Kg	0.98	0.79	1	SW-8290	I	Result uncertain below the calibration range
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	39227-28-6	1,2,3,4,7,8-HxCDD	6.8		ng/Kg	0.98	0.79	1	SW-8290		
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	57653-85-7	1,2,3,6,7,8-HxCDD	16		ng/Kg	1.1	0.79	1	SW-8290		RL = Estimated Detection Limit (EDL)
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	19408-74-3	1,2,3,7,8,9-HxCDD	6.6	J	ng/Kg	0.98	0.79	1	SW-8290	H	Interference present
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	100		ng/Kg	0.98	0.79	1	SW-8290		
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	4	J	ng/Kg	0.98	0.79	1	SW-8290	H	Interference present
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	470		ng/Kg	1.3	0.79	1	SW-8290		RL = Estimated Detection Limit (EDL)
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	39001-02-0	OCDF	260		ng/Kg	2	0.79	1	SW-8290		
CSE-014	105804975	SO	6/30/2004	7/10/2004	7/13/2004	3268-87-9	OCDD	3100		ng/Kg	2	0.79	1	SW-8290		
CSE-014	105804975	SO	6/30/2004	7/10/2004			TEQ using 89-ITE-Factors	17		ng/Kg		0.79		SW-8290		
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	51207-31-9	2,3,7,8-TCDF	0.0026	UJ	ng/L	0.0026		1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	1746-01-6	2,3,7,8-TCDD	0.0031	UJ	ng/L	0.0031		1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	57117-41-6	1,2,3,7,8-PeCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	57117-31-4	2,3,4,7,8-PeCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	40321-76-4	1,2,3,7,8-PeCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	70648-26-9	1,2,3,4,7,8-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	57117-44-9	1,2,3,6,7,8-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	39227-28-6	1,2,3,4,7,8-HxCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	57653-85-7	1,2,3,6,7,8-HxCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	19408-74-3	1,2,3,7,8,9-HxCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Blank Action; Result = Low-level RL (LRL); LRL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	39001-02-0	OCDF	0.02	UJ	ng/L	0.02		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-005	105804983	AQ	6/30/2004	7/13/2004	7/16/2004	3268-87-9	OCDD	0.13	U	ng/L	0.02		1	SW-8290		Blank Action
RB-005	105804983	AQ	6/30/2004	7/13/2004			TEQ using 89-ITE-Factors	0		ng/L				SW-8290		Adjusted due to Blank Action

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-001	0407001-01	SO	06/23/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	4.6	J	mg/Kg	Dry	0.034	85.7	5	6020A	L	Serial dilution out
CS-002	0407001-02	SO	06/23/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	9.3	J	mg/Kg	Dry	0.044	67.4	5	6020A	L	Serial dilution out
CS-003	0407001-03	SO	06/23/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	6.5	J	mg/Kg	Dry	0.032	80.6	5	6020A	L	Serial dilution out
CS-004	0407001-04	SO	06/23/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	7.1	J	mg/Kg	Dry	0.046	63.4	5	6020A	L	Serial dilution out
CS-005	0407001-05	SO	06/29/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	5.1	J	mg/Kg	Dry	0.034	86.1	5	6020A	L	Serial dilution out
CS-006	0407001-06	SO	06/29/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	4.9	J	mg/Kg	Dry	0.032	81.6	5	6020A	L	Serial dilution out
CS-007	0407001-07	SO	06/29/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	5.7	J	mg/Kg	Dry	0.033	92.3	5	6020A	L	Serial dilution out
CS-008	0407001-08	SO	06/29/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	5.4	J	mg/Kg	Dry	0.038	79.3	5	6020A	L	Serial dilution out
CS-009	0407001-09	SO	06/29/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	5.4	J	mg/Kg	Dry	0.035	84.1	5	6020A	L	Serial dilution out
CS-010	0407001-10	SO	06/29/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	4.6	J	mg/Kg	Dry	0.039	76.5	5	6020A	L	Serial dilution out
CS-011	0407001-11	SO	06/29/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	4.1	J	mg/Kg	Dry	0.032	92.7	5	6020A	L	Serial dilution out
CS-012	0407001-12	SO	06/29/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	5.2	J	mg/Kg	Dry	0.034	83.0	5	6020A	L	Serial dilution out
CS-013	0407001-13	SO	06/30/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	6.7	J	mg/Kg	Dry	0.033	87.0	5	6020A	L	Serial dilution out
CS-014	0407001-14	SO	06/30/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	5.7	J	mg/Kg	Dry	0.033	82.2	5	6020A	L	Serial dilution out
CSE-014	0407001-15	SO	06/30/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	5.3	J	mg/Kg	Dry	0.033	80.2	5	6020A	L	Serial dilution out
RB-005	0407001-16	AQ	06/30/2004	07/07/2004	07/08/2004	7440-38-2	Arsenic	0.50	U	ug/L	N/A	0.50		5	6020A		
CS-001	0407001-01	SO	06/23/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	780	J	mg/Kg	Dry	0.17	85.7	5	6020A	H	MS high
CS-002	0407001-02	SO	06/23/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	11000	J	mg/Kg	Dry	4.4	67.4	100	6020A	H	MS high
CS-003	0407001-03	SO	06/23/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	2000	J	mg/Kg	Dry	0.65	80.6	20	6020A	H	MS high
CS-004	0407001-04	SO	06/23/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	5300	J	mg/Kg	Dry	2.3	63.4	50	6020A	H	MS high
CS-005	0407001-05	SO	06/29/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	1800	J	mg/Kg	Dry	0.69	86.1	20	6020A	H	MS high
CS-006	0407001-06	SO	06/29/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	1300	J	mg/Kg	Dry	0.32	81.6	10	6020A	H	MS high
CS-007	0407001-07	SO	06/29/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	1700	J	mg/Kg	Dry	0.66	92.3	20	6020A	H	MS high
CS-008	0407001-08	SO	06/29/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	210	J	mg/Kg	Dry	0.19	79.3	5	6020A	H	MS high
CS-009	0407001-09	SO	06/29/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	1600	J	mg/Kg	Dry	0.35	84.1	10	6020A	H	MS high
CS-010	0407001-10	SO	06/29/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	150	J	mg/Kg	Dry	0.20	76.5	5	6020A	H	MS high
CS-011	0407001-11	SO	06/29/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	78	J	mg/Kg	Dry	0.16	92.7	5	6020A	H	MS high
CS-012	0407001-12	SO	06/29/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	12	J	mg/Kg	Dry	0.17	83.0	5	6020A	H	MS high
CS-013	0407001-13	SO	06/30/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	49	J	mg/Kg	Dry	0.17	87.0	5	6020A	H	MS high
CS-014	0407001-14	SO	06/30/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	150	J	mg/Kg	Dry	0.17	82.2	5	6020A	I	FD imprecision + MS high
CSE-014	0407001-15	SO	06/30/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	310	J	mg/Kg	Dry	0.17	80.2	5	6020A	I	FD imprecision + MS high
RB-005	0407001-16	AQ	06/30/2004	07/07/2004	07/08/2004	7440-47-3	Chromium	2.5	U	ug/L	N/A	2.5		5	6020A		
CS-001	0407001-01	SO	06/23/2004	07/07/2004	07/08/2004	7439-92-1	Lead	52		mg/Kg	Dry	0.017	85.7	5	6020A		
CS-002	0407001-02	SO	06/23/2004	07/07/2004	07/08/2004	7439-92-1	Lead	230		mg/Kg	Dry	0.022	67.4	5	6020A		
CS-003	0407001-03	SO	06/23/2004	07/07/2004	07/08/2004	7439-92-1	Lead	82		mg/Kg	Dry	0.016	80.6	5	6020A		
CS-004	0407001-04	SO	06/23/2004	07/07/2004	07/08/2004	7439-92-1	Lead	390		mg/Kg	Dry	0.023	63.4	5	6020A		
CS-005	0407001-05	SO	06/29/2004	07/07/2004	07/08/2004	7439-92-1	Lead	150		mg/Kg	Dry	0.017	86.1	5	6020A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-006	0407001-06	SO	06/29/2004	07/07/2004	07/08/2004	7439-92-1	Lead	64		mg/Kg	Dry	0.016	81.6	5	6020A		
CS-007	0407001-07	SO	06/29/2004	07/07/2004	07/08/2004	7439-92-1	Lead	110		mg/Kg	Dry	0.016	92.3	5	6020A		
CS-008	0407001-08	SO	06/29/2004	07/07/2004	07/08/2004	7439-92-1	Lead	59		mg/Kg	Dry	0.019	79.3	5	6020A		
CS-009	0407001-09	SO	06/29/2004	07/07/2004	07/08/2004	7439-92-1	Lead	92		mg/Kg	Dry	0.018	84.1	5	6020A		
CS-010	0407001-10	SO	06/29/2004	07/07/2004	07/08/2004	7439-92-1	Lead	43		mg/Kg	Dry	0.020	76.5	5	6020A		
CS-011	0407001-11	SO	06/29/2004	07/07/2004	07/08/2004	7439-92-1	Lead	20		mg/Kg	Dry	0.016	92.7	5	6020A		
CS-012	0407001-12	SO	06/29/2004	07/07/2004	07/08/2004	7439-92-1	Lead	9.3		mg/Kg	Dry	0.017	83.0	5	6020A		
CS-013	0407001-13	SO	06/30/2004	07/07/2004	07/08/2004	7439-92-1	Lead	47		mg/Kg	Dry	0.017	87.0	5	6020A		
CS-014	0407001-14	SO	06/30/2004	07/07/2004	07/08/2004	7439-92-1	Lead	36		mg/Kg	Dry	0.017	82.2	5	6020A		
CSE-014	0407001-15	SO	06/30/2004	07/07/2004	07/08/2004	7439-92-1	Lead	41		mg/Kg	Dry	0.017	80.2	5	6020A		
RB-005	0407001-16	AQ	06/30/2004	07/07/2004	07/08/2004	7439-92-1	Lead	0.50	U	ug/L	N/A	0.50		5	6020A		
CS-001	0407001-01	SO	06/23/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.16	J	mg/Kg	Dry	0.0065	85.7	1	7471A	H	MS high
CS-002	0407001-02	SO	06/23/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.55	J	mg/Kg	Dry	0.0081	67.4	1	7471A	H	MS high
CS-003	0407001-03	SO	06/23/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.41	J	mg/Kg	Dry	0.0063	80.6	1	7471A	H	MS high
CS-004	0407001-04	SO	06/23/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.42	J	mg/Kg	Dry	0.0087	63.4	1	7471A	H	MS high
CS-005	0407001-05	SO	06/29/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.36	J	mg/Kg	Dry	0.0063	86.1	1	7471A	H	MS high
CS-006	0407001-06	SO	06/29/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.18	J	mg/Kg	Dry	0.0065	81.6	1	7471A	H	MS high
CS-007	0407001-07	SO	06/29/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.18	J	mg/Kg	Dry	0.0057	92.3	1	7471A	H	MS high
CS-008	0407001-08	SO	06/29/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.43	J	mg/Kg	Dry	0.0066	79.3	1	7471A	H	MS high
CS-009	0407001-09	SO	06/29/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.42	J	mg/Kg	Dry	0.0065	84.1	1	7471A	H	MS high
CS-010	0407001-10	SO	06/29/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.41	J	mg/Kg	Dry	0.0070	76.5	1	7471A	H	MS high
CS-011	0407001-11	SO	06/29/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.18	J	mg/Kg	Dry	0.0058	92.7	1	7471A	H	MS high
CS-012	0407001-12	SO	06/29/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.032	J	mg/Kg	Dry	0.0063	83.0	1	7471A	H	MS high
CS-013	0407001-13	SO	06/30/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	1.2	J	mg/Kg	Dry	0.032	87.0	5	7471A	H	MS high
CS-014	0407001-14	SO	06/30/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.24	J	mg/Kg	Dry	0.0065	82.2	1	7471A	H	MS high
CSE-014	0407001-15	SO	06/30/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.33	J	mg/Kg	Dry	0.0069	80.2	1	7471A	H	MS high
RB-005	0407001-16	AQ	06/30/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.20	U	ug/L	N/A	0.20		1	7470A		

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Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

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SamplID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-015	0407025-01	SO	07/06/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	220	U	ug/Kg	220	90.5	4	8270		
CS-015	0407025-01	SO	07/06/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	290		ug/Kg	110	90.5	4	8270		
CS-016	0407025-02	SO	07/06/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	230	R	ug/Kg	230	84.4	4	8270		Unusable: 0% MS/MSD Recovery
CS-016	0407025-02	SO	07/06/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	120	U	ug/Kg	120	84.4	4	8270		
CSE-016	0407025-03	SO	07/06/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	240	U	ug/Kg	240	84.9	4	8270		
CSE-016	0407025-03	SO	07/06/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	120	U	ug/Kg	120	84.9	4	8270		
CS-017	0407025-04	SO	07/06/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	240	U	ug/Kg	240	83.4	4	8270		
CS-017	0407025-04	SO	07/06/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	81	J	ug/Kg	120	83.4	4	8270	I	Result uncertain below the calibration range
CS-018	0407025-05	SO	07/06/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	230	U	ug/Kg	230	83.9	4	8270		
CS-018	0407025-05	SO	07/06/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	380		ug/Kg	120	83.9	4	8270		
CS-019	0407025-06	SO	07/06/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	230	U	ug/Kg	230	85.3	4	8270		
CS-019	0407025-06	SO	07/06/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	210		ug/Kg	120	85.3	4	8270		
CS-020	0407025-07	SO	07/06/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	250	U	ug/Kg	250	80.4	4	8270		
CS-020	0407025-07	SO	07/06/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	120	U	ug/Kg	120	80.4	4	8270		
CS-021	0407025-08	SO	07/06/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	240	U	ug/Kg	240	84.0	4	8270		
CS-021	0407025-08	SO	07/06/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	76	J	ug/Kg	120	84.0	4	8270	I	Result uncertain below the calibration range
CS-022	0407025-09	SO	07/06/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	260	U	ug/Kg	260	76.3	4	8270		
CS-022	0407025-09	SO	07/06/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	130	U	ug/Kg	130	76.3	4	8270		
CS-023	0407025-10	SO	07/09/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	230	U	ug/Kg	230	87.8	4	8270		
CS-023	0407025-10	SO	07/09/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	270		ug/Kg	110	87.8	4	8270		
CS-024	0407025-11	SO	07/09/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	230	U	ug/Kg	230	86.6	4	8270		
CS-024	0407025-11	SO	07/09/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	91	J	ug/Kg	110	86.6	4	8270	I	Result uncertain below the calibration range
CS-025	0407025-12	SO	07/09/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	220	U	ug/Kg	220	91.3	4	8270		
CS-025	0407025-12	SO	07/09/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	110	U	ug/Kg	110	91.3	4	8270		
CS-026	0407025-13	SO	07/09/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	220	U	ug/Kg	220	91.3	4	8270		
CS-026	0407025-13	SO	07/09/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	110	U	ug/Kg	110	91.3	4	8270		
CS-027	0407025-14	SO	07/09/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	230	U	ug/Kg	230	84.4	4	8270		
CS-027	0407025-14	SO	07/09/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	93	J	ug/Kg	120	84.4	4	8270	I	Result uncertain below the calibration range
CS-028	0407025-15	SO	07/09/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	250	U	ug/Kg	250	78.2	4	8270		
CS-028	0407025-15	SO	07/09/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	120	U	ug/Kg	120	78.2	4	8270		
CS-029	0407025-16	SO	07/09/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	240	U	ug/Kg	240	83.3	4	8270		
CS-029	0407025-16	SO	07/09/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	120	U	ug/Kg	120	83.3	4	8270		
CS-030	0407025-17	SO	07/09/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	240	U	ug/Kg	240	81.7	4	8270		
CS-030	0407025-17	SO	07/09/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	120	U	ug/Kg	120	81.7	4	8270		
RB-008	0407025-18	AQ	07/09/2004	07/14/2004	07/28/2004	87-86-5	Pentachlorophenol	0.51	U	ug/L	0.51		1	8270		
RB-008	0407025-18	AQ	07/09/2004	07/14/2004	07/28/2004	56-55-3	Benz[a]anthracene	0.26	U	ug/L	0.26		1	8270		
CS-015	0407025-01	SO	07/06/2004	07/14/2004	07/27/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	90.5	4	PAH SIM		
CS-015	0407025-01	SO	07/06/2004	07/14/2004	07/27/2004	50-32-8	Benzo[a]pyrene	350		ug/Kg	22	90.5	4	PAH SIM		
CS-016	0407025-02	SO	07/06/2004	07/14/2004	07/27/2004	621-64-7	n-Nitroso-di-n-propylamine	23	U	ug/Kg	23	84.4	4	PAH SIM		
CS-016	0407025-02	SO	07/06/2004	07/14/2004	07/27/2004	50-32-8	Benzo[a]pyrene	23	U	ug/Kg	23	84.4	4	PAH SIM		
CSE-016	0407025-03	SO	07/06/2004	07/14/2004	07/27/2004	621-64-7	n-Nitroso-di-n-propylamine	24	U	ug/Kg	24	84.9	4	PAH SIM		
CSE-016	0407025-03	SO	07/06/2004	07/14/2004	07/27/2004	50-32-8	Benzo[a]pyrene	24	U	ug/Kg	24	84.9	4	PAH SIM		
CS-017	0407025-04	SO	07/06/2004	07/14/2004	07/27/2004	621-64-7	n-Nitroso-di-n-propylamine	24	U	ug/Kg	24	83.4	4	PAH SIM		
CS-017	0407025-04	SO	07/06/2004	07/14/2004	07/27/2004	50-32-8	Benzo[a]pyrene	72		ug/Kg	24	83.4	4	PAH SIM		
CS-018	0407025-05	SO	07/06/2004	07/14/2004	07/27/2004	621-64-7	n-Nitroso-di-n-propylamine	23	U	ug/Kg	23	83.9	4	PAH SIM		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

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Pownal Tannery Superfund Site, Pownal, VT
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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-018	0407025-05	SO	07/08/2004	07/14/2004	07/27/2004	50-32-8	Benzo[a]pyrene	410		ug/Kg	23	83.9	4	PAH SIM		
CS-019	0407025-06	SO	07/08/2004	07/14/2004	07/27/2004	621-64-7	n-Nitroso-di-n-propylamine	23	U	ug/Kg	23	85.3	4	PAH SIM		
CS-019	0407025-06	SO	07/08/2004	07/14/2004	07/27/2004	50-32-8	Benzo[a]pyrene	200		ug/Kg	23	85.3	4	PAH SIM		
CS-020	0407025-07	SO	07/08/2004	07/14/2004	07/27/2004	621-64-7	n-Nitroso-di-n-propylamine	25	U	ug/Kg	25	80.4	4	PAH SIM		
CS-020	0407025-07	SO	07/08/2004	07/14/2004	07/27/2004	50-32-8	Benzo[a]pyrene	37		ug/Kg	25	80.4	4	PAH SIM		
CS-021	0407025-08	SO	07/08/2004	07/14/2004	07/27/2004	621-64-7	n-Nitroso-di-n-propylamine	24	U	ug/Kg	24	84.0	4	PAH SIM		
CS-021	0407025-08	SO	07/08/2004	07/14/2004	07/27/2004	50-32-8	Benzo[a]pyrene	66		ug/Kg	24	84.0	4	PAH SIM		
CS-022	0407025-09	SO	07/08/2004	07/14/2004	07/27/2004	621-64-7	n-Nitroso-di-n-propylamine	26	U	ug/Kg	26	76.3	4	PAH SIM		
CS-022	0407025-09	SO	07/08/2004	07/14/2004	07/27/2004	50-32-8	Benzo[a]pyrene	26	U	ug/Kg	26	76.3	4	PAH SIM		
CS-023	0407025-10	SO	07/09/2004	07/14/2004	07/28/2004	621-64-7	n-Nitroso-di-n-propylamine	23	U	ug/Kg	23	87.8	4	PAH SIM		
CS-023	0407025-10	SO	07/09/2004	07/14/2004	07/28/2004	50-32-8	Benzo[a]pyrene	290		ug/Kg	23	87.8	4	PAH SIM		
CS-024	0407025-11	SO	07/09/2004	07/14/2004	07/28/2004	621-64-7	n-Nitroso-di-n-propylamine	23	U	ug/Kg	23	86.6	4	PAH SIM		
CS-024	0407025-11	SO	07/09/2004	07/14/2004	07/28/2004	50-32-8	Benzo[a]pyrene	92		ug/Kg	23	86.6	4	PAH SIM		
CS-025	0407025-12	SO	07/09/2004	07/14/2004	07/28/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	91.3	4	PAH SIM		
CS-025	0407025-12	SO	07/09/2004	07/14/2004	07/28/2004	50-32-8	Benzo[a]pyrene	22	U	ug/Kg	22	91.3	4	PAH SIM		
CS-026	0407025-13	SO	07/09/2004	07/14/2004	07/28/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	91.3	4	PAH SIM		
CS-026	0407025-13	SO	07/09/2004	07/14/2004	07/28/2004	50-32-8	Benzo[a]pyrene	22	U	ug/Kg	22	91.3	4	PAH SIM		
CS-027	0407025-14	SO	07/09/2004	07/14/2004	07/28/2004	621-64-7	n-Nitroso-di-n-propylamine	23	U	ug/Kg	23	84.4	4	PAH SIM		
CS-027	0407025-14	SO	07/09/2004	07/14/2004	07/28/2004	50-32-8	Benzo[a]pyrene	85		ug/Kg	23	84.4	4	PAH SIM		
CS-028	0407025-15	SO	07/09/2004	07/14/2004	07/28/2004	621-64-7	n-Nitroso-di-n-propylamine	25	U	ug/Kg	25	78.2	4	PAH SIM		
CS-028	0407025-15	SO	07/09/2004	07/14/2004	07/28/2004	50-32-8	Benzo[a]pyrene	25	U	ug/Kg	25	78.2	4	PAH SIM		
CS-029	0407025-16	SO	07/09/2004	07/14/2004	07/28/2004	621-64-7	n-Nitroso-di-n-propylamine	24	U	ug/Kg	24	83.3	4	PAH SIM		
CS-029	0407025-16	SO	07/09/2004	07/14/2004	07/28/2004	50-32-8	Benzo[a]pyrene	34		ug/Kg	24	83.3	4	PAH SIM		
CS-030	0407025-17	SO	07/09/2004	07/14/2004	07/28/2004	621-64-7	n-Nitroso-di-n-propylamine	24	U	ug/Kg	24	81.7	4	PAH SIM		
CS-030	0407025-17	SO	07/09/2004	07/14/2004	07/28/2004	50-32-8	Benzo[a]pyrene	24	U	ug/Kg	24	81.7	4	PAH SIM		
RB-006	0407025-18	AQ	07/09/2004	07/14/2004	07/27/2004	621-64-7	n-Nitroso-di-n-propylamine	51	U	ng/L	51		1	PAH SIM		
RB-006	0407025-18	AQ	07/09/2004	07/14/2004	07/27/2004	50-32-8	Benzo[a]pyrene	51	U	ng/L	51		1	PAH SIM		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	51207-31-9	2,3,7,8-TCDF	1.5		ng/Kg	0.2	0.92	1	SW-8290		
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	1746-01-6	2,3,7,8-TCDD	0.27	J	ng/Kg	0.31	0.92	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	57117-41-6	1,2,3,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	57117-31-4	2,3,4,7,8-PeCDF	1.1	J	ng/Kg	0.99	0.92	1	SW-8290	I	Result uncertain below the calibration range
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	40321-76-4	1,2,3,7,8-PeCDD	1	J	ng/Kg	0.99	0.92	1	SW-8290	I	Result uncertain below the calibration range
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	1.3	J	ng/Kg	0.99	0.92	1	SW-8290	I	Result uncertain below the calibration range
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1.2	J	ng/Kg	0.99	0.92	1	SW-8290	I	Result uncertain below the calibration range
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.99	UJ	ng/Kg	0.99	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	1.3	J	ng/Kg	0.99	0.92	1	SW-8290	I	Result uncertain below the calibration range
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	5.2		ng/Kg	0.99	0.92	1	SW-8290		
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	2.6	J	ng/Kg	0.99	0.92	1	SW-8290	I	Result uncertain below the calibration range
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	29		ng/Kg	0.99	0.92	1	SW-8290		
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	1.7	J	ng/Kg	0.99	0.92	1	SW-8290	I	Result uncertain below the calibration range
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	130		ng/Kg	0.99	0.92	1	SW-8290		
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	39001-02-0	OCDF	80		ng/Kg	2	0.92	1	SW-8290		
CS-015	105831788	SO	7/6/2004	7/19/2004	7/23/2004	3268-87-9	OCDD	940		ng/Kg	2	0.92	1	SW-8290		
CS-015	105831788	SO	7/6/2004	7/19/2004			TEQ using 89-ITE-Factors	5.3		ng/Kg		0.92		SW-8290		
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	51207-31-9	2,3,7,8-TCDF	0.25	UJ	ng/Kg	0.2	0.81	1	SW-8290	I	Blank Action; Result uncertain below the calibration range
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	1746-01-6	2,3,7,8-TCDD	0.2	UJ	ng/Kg	0.2	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	57117-41-6	1,2,3,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	57117-31-4	2,3,4,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	40321-76-4	1,2,3,7,8-PeCDD	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	2.5	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Blank Action; Interference present
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	39001-02-0	OCDF	3	J	ng/Kg	2	0.81	1	SW-8290	I	Result uncertain below the calibration range; MS/MSD imprecision
CS-016	105831796	SO	7/6/2004	7/19/2004	7/23/2004	3268-87-9	OCDD	99	J	ng/Kg	2	0.81	1	SW-8290	I	MS/MSD, MD, & FD imprecision
CS-016	105831796	SO	7/6/2004	7/19/2004			TEQ using 89-ITE-Factors	0.1		ng/Kg		0.81		SW-8290		Adjusted due to Blank Action
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	51207-31-9	2,3,7,8-TCDF	0.2	UJ	ng/Kg	0.2	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	1746-01-6	2,3,7,8-TCDD	0.2	UJ	ng/Kg	0.2	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	57117-41-6	1,2,3,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	57117-31-4	2,3,4,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	40321-76-4	1,2,3,7,8-PeCDD	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	39001-02-0	OCDF	2	UJ	ng/Kg	2	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-016	105831804	SO	7/6/2004	7/19/2004	7/23/2004	3268-87-9	OCDD	6.8	UJ	ng/Kg	2	0.85	1	SW-8290	I	Blank Action; Result uncertain below the calibration range; FD imprecision
CSE-016	105831804	SO	7/6/2004	7/19/2004			TEQ using 89-ITE-Factors	0		ng/Kg		0.85		SW-8290		Adjusted due to Blank Action
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	51207-31-9	2,3,7,8-TCDF	0.67	UJ	ng/Kg	0.26	0.84	1	SW-8290	I	Blank Action; Result uncertain below the calibration range; RL = EDL
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	1746-01-6	2,3,7,8-TCDD	2.1		ng/Kg	0.2	0.84	1	SW-8290		
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	57117-41-6	1,2,3,7,8-PeCDF	1	UJ	ng/Kg	1	0.84	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	57117-31-4	2,3,4,7,8-PeCDF	1	UJ	ng/Kg	1	0.84	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	40321-76-4	1,2,3,7,8-PeCDD	15		ng/Kg	1	0.84	1	SW-8290		
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	2.4	J	ng/Kg	1	0.84	1	SW-8290	I	Result uncertain below the calibration range

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SamplD	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	4	J	ng/Kg	1	0.84	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	2.2	J	ng/Kg	1	0.84	1	SW-8290	I	Result uncertain below the calibration range
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1	UJ	ng/Kg	1	0.84	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	8.7		ng/Kg	1	0.84	1	SW-8290		
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	71		ng/Kg	1	0.84	1	SW-8290		
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	28		ng/Kg	1	0.84	1	SW-8290		
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	58		ng/Kg	1	0.84	1	SW-8290		
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	3.3	J	ng/Kg	1	0.84	1	SW-8290	I	Result uncertain below the calibration range
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	690		ng/Kg	1	0.84	1	SW-8290		
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	39001-02-0	OCDF	200		ng/Kg	2	0.84	1	SW-8290		
CS-017	105831812	SO	7/6/2004	7/19/2004	7/23/2004	3268-87-9	OCDD	8100		ng/Kg	2	0.84	1	SW-8290		
CS-017	105831812	SO	7/6/2004	7/19/2004			TEQ using 89-ITE-Factors	37		ng/Kg		0.84		SW-8290		Adjusted due to Blank Action
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	51207-31-9	2,3,7,8-TCDF	1.8		ng/Kg	0.2	0.85	1	SW-8290		
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	1746-01-6	2,3,7,8-TCDD	0.27	J	ng/Kg	0.2	0.85	1	SW-8290	I	Result uncertain below the calibration range
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	57117-41-6	1,2,3,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	57117-31-4	2,3,4,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	40321-76-4	1,2,3,7,8-PeCDD	3.3	J	ng/Kg	0.99	0.85	1	SW-8290	I	Result uncertain below the calibration range
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	1.1	J	ng/Kg	0.99	0.85	1	SW-8290	I	Result uncertain below the calibration range
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	1.8	J	ng/Kg	0.99	0.85	1	SW-8290	I	Result uncertain below the calibration range
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	5.9		ng/Kg	0.99	0.85	1	SW-8290		
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	2.6	J	ng/Kg	0.99	0.85	1	SW-8290	I	Result uncertain below the calibration range
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	14		ng/Kg	0.99	0.85	1	SW-8290		
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	64		ng/Kg	0.99	0.85	1	SW-8290		
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	39001-02-0	OCDF	32		ng/Kg	2	0.85	1	SW-8290		
CS-018	105831820	SO	7/6/2004	7/19/2004	7/23/2004	3268-87-9	OCDD	420		ng/Kg	2	0.85	1	SW-8290		
CS-018	105831820	SO	7/6/2004	7/19/2004			TEQ using 89-ITE-Factors	4.5		ng/Kg		0.85		SW-8290		
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	51207-31-9	2,3,7,8-TCDF	0.64	UJ	ng/Kg	0.29	0.86	1	SW-8290	I	Blank Action; Result uncertain below the calibration range; RL = EDL
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	1746-01-6	2,3,7,8-TCDD	0.21	J	ng/Kg	0.2	0.86	1	SW-8290	I	Result uncertain below the calibration range
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	57117-41-6	1,2,3,7,8-PeCDF	1	UJ	ng/Kg	1	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	57117-31-4	2,3,4,7,8-PeCDF	1	UJ	ng/Kg	1	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	40321-76-4	1,2,3,7,8-PeCDD	1	UJ	ng/Kg	1	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	1	UJ	ng/Kg	1	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1	UJ	ng/Kg	1	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	1	UJ	ng/Kg	1	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1	UJ	ng/Kg	1	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	1	UJ	ng/Kg	1	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	3	J	ng/Kg	1	0.86	1	SW-8290	I	Result uncertain below the calibration range
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	1.3	J	ng/Kg	1	0.86	1	SW-8290	I	Result uncertain below the calibration range
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	15		ng/Kg	1	0.86	1	SW-8290		
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	1	UJ	ng/Kg	1	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	69		ng/Kg	1	0.86	1	SW-8290		
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	39001-02-0	OCDF	46		ng/Kg	2	0.86	1	SW-8290		
CS-019	105831838	SO	7/6/2004	7/19/2004	7/23/2004	3268-87-9	OCDD	580		ng/Kg	2	0.86	1	SW-8290		
CS-019	105831838	SO	7/6/2004	7/19/2004			TEQ using 89-ITE-Factors	2.1		ng/Kg		0.86		SW-8290		Adjusted due to Blank Action
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	51207-31-9	2,3,7,8-TCDF	0.45	UJ	ng/Kg	0.22	0.82	1	SW-8290	I	Blank Action; Result uncertain below the calibration range; RL = EDL
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	1746-01-6	2,3,7,8-TCDD	0.2	UJ	ng/Kg	0.2	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	57117-41-6	1,2,3,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	57117-31-4	2,3,4,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	40321-76-4	1,2,3,7,8-PeCDD	0.99	UJ	ng/Kg	0.99	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.99	UJ	ng/Kg	0.99	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	0.99	UJ	ng/Kg	0.99	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	1	J	ng/Kg	0.99	0.82	1	SW-8290	I	Result uncertain below the calibration range
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	0.99	UJ	ng/Kg	0.99	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	5.8		ng/Kg	0.99	0.82	1	SW-8290		
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.99	UJ	ng/Kg	0.99	0.82	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	24		ng/Kg	0.99	0.82	1	SW-8290		
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	39001-02-0	OCDF	14		ng/Kg	2	0.82	1	SW-8290		
CS-020	105831846	SO	7/6/2004	7/19/2004	7/23/2004	3268-87-9	OCDD	160		ng/Kg	2	0.82	1	SW-8290		
CS-020	105831846	SO	7/6/2004	7/19/2004			TEQ using 89-ITE-Factors	0.57		ng/Kg		0.82		SW-8290		Adjusted due to Blank Action
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	51207-31-9	2,3,7,8-TCDF	1.2	U	ng/Kg	0.2	0.84	1	SW-8290		Blank Action
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	1746-01-6	2,3,7,8-TCDD	3.1		ng/Kg	0.29	0.84	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	57117-41-6	1,2,3,7,8-PeCDF	9.2		ng/Kg	1	0.84	1	SW-8290		
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	57117-31-4	2,3,4,7,8-PeCDF	2	J	ng/Kg	1	0.84	1	SW-8290	I	Result uncertain below the calibration range
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	40321-76-4	1,2,3,7,8-PeCDD	13		ng/Kg	1	0.84	1	SW-8290		
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	4.1	J	ng/Kg	1	0.84	1	SW-8290	I	Result uncertain below the calibration range
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	3.9	J	ng/Kg	1	0.84	1	SW-8290	I	Result uncertain below the calibration range
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	6.9		ng/Kg	1	0.84	1	SW-8290		
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	2.3	J	ng/Kg	1	0.84	1	SW-8290	I	Result uncertain below the calibration range
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	17		ng/Kg	1	0.84	1	SW-8290		
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	97		ng/Kg	1	0.84	1	SW-8290		
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	39		ng/Kg	1	0.84	1	SW-8290		
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	290		ng/Kg	1	0.84	1	SW-8290		
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	13		ng/Kg	1	0.84	1	SW-8290		
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	2500		ng/Kg	1.2	0.84	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-021	105831853	SO	7/6/2004	7/19/2004	7/23/2004	39001-02-0	OCDF	910		ng/Kg	2	0.84	1	SW-8290		
CS-021	105831853	SO	7/6/2004	7/19/2004	7/24/2004	3268-87-9	OCDD	24000		ng/Kg	20	0.84	10	SW-8290		
CS-021	105831853	SO	7/6/2004	7/19/2004			TEQ using 89-ITE-Factors	81		ng/Kg		0.84		SW-8290		Adjusted due to Blank Action
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	51207-31-9	2,3,7,8-TCDF	0.44	UJ	ng/Kg	0.2	0.78	1	SW-8290	I	Blank Action; Result uncertain below the calibration range
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	1746-01-6	2,3,7,8-TCDD	0.2	UJ	ng/Kg	0.2	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	57117-41-6	1,2,3,7,8-PeCDF	1	UJ	ng/Kg	1	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	57117-31-4	2,3,4,7,8-PeCDF	1	UJ	ng/Kg	1	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	40321-76-4	1,2,3,7,8-PeCDD	1	UJ	ng/Kg	1	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	1	UJ	ng/Kg	1	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1	UJ	ng/Kg	1	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	1	UJ	ng/Kg	1	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1	UJ	ng/Kg	1	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	1	UJ	ng/Kg	1	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	1	UJ	ng/Kg	1	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	1	UJ	ng/Kg	1	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	1	UJ	ng/Kg	1	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	1	UJ	ng/Kg	1	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	2.9	UJ	ng/Kg	1	0.78	1	SW-8290	I	Blank Action; Result uncertain below the calibration range
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	39001-02-0	OCDF	2	UJ	ng/Kg	2	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-022	105831861	SO	7/6/2004	7/19/2004	7/23/2004	3268-87-9	OCDD	32	U	ng/Kg	2	0.78	1	SW-8290		Blank Action
CS-022	105831861	SO	7/6/2004	7/19/2004			TEQ using 89-ITE-Factors	0		ng/Kg		0.78		SW-8290		Adjusted due to Blank Action
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	51207-31-9	2,3,7,8-TCDF	1	U	ng/Kg	0.2	0.87	1	SW-8290		Blank Action
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	1746-01-6	2,3,7,8-TCDD	0.75	J	ng/Kg	0.2	0.87	1	SW-8290	H	Interference present
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	57117-41-6	1,2,3,7,8-PeCDF	0.98	UJ	ng/Kg	0.98	0.87	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	57117-31-4	2,3,4,7,8-PeCDF	1.2	J	ng/Kg	0.98	0.87	1	SW-8290	I	Result uncertain below the calibration range
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	40321-76-4	1,2,3,7,8-PeCDD	2	J	ng/Kg	0.98	0.87	1	SW-8290	H	Interference present
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	2.2	J	ng/Kg	0.98	0.87	1	SW-8290	I	Result uncertain below the calibration range
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	2.4	J	ng/Kg	0.98	0.87	1	SW-8290	I	Result uncertain below the calibration range
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	4.1	J	ng/Kg	0.98	0.87	1	SW-8290	I	Result uncertain below the calibration range
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.98	UJ	ng/Kg	0.98	0.87	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	4.1	J	ng/Kg	0.98	0.87	1	SW-8290	I	Result uncertain below the calibration range
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	24		ng/Kg	0.98	0.87	1	SW-8290		
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	6.1		ng/Kg	0.98	0.87	1	SW-8290		
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	52		ng/Kg	0.98	0.87	1	SW-8290		
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	1.9	J	ng/Kg	0.98	0.87	1	SW-8290	I	Result uncertain below the calibration range
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	750		ng/Kg	0.98	0.87	1	SW-8290		
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	39001-02-0	OCDF	85		ng/Kg	2	0.87	1	SW-8290		
CS-023	105831879	SO	7/9/2004	7/19/2004	7/23/2004	3268-87-9	OCDD	14000		ng/Kg	2	0.87	1	SW-8290		
CS-023	105831879	SO	7/9/2004	7/19/2004			TEQ using 89-ITE-Factors	27		ng/Kg		0.87		SW-8290		Adjusted due to Blank Action

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	51207-31-9	2,3,7,8-TCDF	0.64	UJ	ng/Kg	0.21	0.89	1	SW-8290	I	Blank Action; Interference present; Result uncertain below the calibration range; RL = EDL
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	1746-01-6	2,3,7,8-TCDD	0.79	J	ng/Kg	0.2	0.89	1	SW-8290	I	Result uncertain below the calibration range
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	57117-41-6	1,2,3,7,8-PeCDF	0.98	UJ	ng/Kg	0.98	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	57117-31-4	2,3,4,7,8-PeCDF	0.98	UJ	ng/Kg	0.98	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	40321-76-4	1,2,3,7,8-PeCDD	2.2	J	ng/Kg	0.98	0.89	1	SW-8290	I	Result uncertain below the calibration range
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	1.6	J	ng/Kg	0.98	0.89	1	SW-8290	I	Result uncertain below the calibration range
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	2	J	ng/Kg	0.98	0.89	1	SW-8290	I	Result uncertain below the calibration range
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	1.9	J	ng/Kg	0.98	0.89	1	SW-8290	I	Result uncertain below the calibration range
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.98	UJ	ng/Kg	0.98	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	2.1	J	ng/Kg	0.98	0.89	1	SW-8290	H	Interference present
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	22		ng/Kg	0.98	0.89	1	SW-8290		
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	6.4		ng/Kg	0.98	0.89	1	SW-8290		
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	45		ng/Kg	0.98	0.89	1	SW-8290		
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	2.3	J	ng/Kg	0.98	0.89	1	SW-8290	I	Result uncertain below the calibration range
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	380		ng/Kg	0.98	0.89	1	SW-8290		
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	39001-02-0	OCDF	96		ng/Kg	2	0.89	1	SW-8290		
CS-024	105831887	SO	7/9/2004	7/19/2004	7/23/2004	3268-87-9	OCDD	5300		ng/Kg	2	0.89	1	SW-8290		
CS-024	105831887	SO	7/9/2004	7/19/2004			TEQ using 89-ITE-Factors	15		ng/Kg		0.89		SW-8290		Adjusted due to Blank Action
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	51207-31-9	2,3,7,8-TCDF	0.42	UJ	ng/Kg	0.24	0.91	1	SW-8290	I	Blank Action; Result uncertain below the calibration range; RL = EDL
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	1746-01-6	2,3,7,8-TCDD	0.21	J	ng/Kg	0.2	0.91	1	SW-8290	I	Result uncertain below the calibration range
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	57117-41-6	1,2,3,7,8-PeCDF	0.98	UJ	ng/Kg	0.98	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	57117-31-4	2,3,4,7,8-PeCDF	0.98	UJ	ng/Kg	0.98	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	40321-76-4	1,2,3,7,8-PeCDD	0.98	UJ	ng/Kg	0.98	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	0.98	UJ	ng/Kg	0.98	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	0.98	UJ	ng/Kg	0.98	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.98	UJ	ng/Kg	0.98	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.98	UJ	ng/Kg	0.98	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	0.98	UJ	ng/Kg	0.98	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	1.1	J	ng/Kg	0.98	0.91	1	SW-8290	I	Result uncertain below the calibration range
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	0.98	UJ	ng/Kg	0.98	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	7.1		ng/Kg	0.98	0.91	1	SW-8290		
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.98	UJ	ng/Kg	0.98	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	28		ng/Kg	0.98	0.91	1	SW-8290		
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	39001-02-0	OCDF	16		ng/Kg	2	0.91	1	SW-8290		
CS-025	105831895	SO	7/9/2004	7/19/2004	7/23/2004	3268-87-9	OCDD	200		ng/Kg	2	0.91	1	SW-8290		
CS-025	105831895	SO	7/9/2004	7/19/2004			TEQ using 89-ITE-Factors	0.88		ng/Kg		0.91		SW-8290		Adjusted due to Blank Action
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	51207-31-9	2,3,7,8-TCDF	0.2	UJ	ng/Kg	0.2	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	1746-01-6	2,3,7,8-TCDD	0.2	UJ	ng/Kg	0.2	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	57117-41-6	1,2,3,7,8-PeCDF	1	UJ	ng/Kg	1	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	57117-31-4	2,3,4,7,8-PeCDF	1	UJ	ng/Kg	1	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	40321-76-4	1,2,3,7,8-PeCDD	1	UJ	ng/Kg	1	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	70648-26-9	1,2,3,4,7,8-HxCDF	1	UJ	ng/Kg	1	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1	UJ	ng/Kg	1	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	60851-34-5	2,3,4,6,7,8-HxCDF	1	UJ	ng/Kg	1	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1	UJ	ng/Kg	1	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	39227-28-6	1,2,3,4,7,8-HxCDD	1	UJ	ng/Kg	1	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	57653-85-7	1,2,3,6,7,8-HxCDD	1	UJ	ng/Kg	1	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	19408-74-3	1,2,3,7,8,9-HxCDD	1	UJ	ng/Kg	1	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	1	UJ	ng/Kg	1	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	1	UJ	ng/Kg	1	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	1	UJ	ng/Kg	1	0.91	1	SW-8290	I	Blank Action; Result uncertain below the calibration range
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	39001-02-0	OCDF	2	UJ	ng/Kg	2	0.91	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-026	105831903	SO	7/9/2004	7/19/2004	7/24/2004	3268-87-9	OCDD	5.7	UJ	ng/Kg	2	0.91	1	SW-8290	I	Blank Action; Result uncertain below the calibration range
CS-026	105831903	SO	7/9/2004	7/19/2004			TEQ using 89-ITE-Factors	0		ng/Kg		0.91		SW-8290		Adjusted due to Blank Action
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	51207-31-9	2,3,7,8-TCDF	1.1	U	ng/Kg	0.19	0.85	1	SW-8290		Blank Action; RL = EDL
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	1746-01-6	2,3,7,8-TCDD	5.7		ng/Kg	0.19	0.85	1	SW-8290		
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	57117-41-6	1,2,3,7,8-PeCDF	0.97	UJ	ng/Kg	0.97	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	57117-31-4	2,3,4,7,8-PeCDF	2.1	J	ng/Kg	0.97	0.85	1	SW-8290	I	Result uncertain below the calibration range
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	40321-76-4	1,2,3,7,8-PeCDD	33		ng/Kg	0.97	0.85	1	SW-8290		
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	4.8	J	ng/Kg	0.97	0.85	1	SW-8290	I	Result uncertain below the calibration range

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	2.8	J	ng/Kg	0.97	0.85	1	SW-8290	I	Result uncertain below the calibration range
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	5		ng/Kg	0.97	0.85	1	SW-8290		
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1.6	J	ng/Kg	0.97	0.85	1	SW-8290	I	Result uncertain below the calibration range
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	39		ng/Kg	0.97	0.85	1	SW-8290		
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	170		ng/Kg	0.97	0.85	1	SW-8290		
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	78		ng/Kg	0.97	0.85	1	SW-8290		
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	220		ng/Kg	0.97	0.85	1	SW-8290		
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	8.8		ng/Kg	0.97	0.85	1	SW-8290		
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	2200		ng/Kg	1.1	0.85	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-027	105831911	SO	7/9/2004	7/19/2004	7/23/2004	39001-02-0	OCDF	630		ng/Kg	1.9	0.85	1	SW-8290		
CS-027	105831911	SO	7/9/2004	7/19/2004	7/24/2004	3268-87-9	OCDD	28000		ng/Kg	19	0.85	10	SW-8290		
CS-027	105831911	SO	7/9/2004	7/19/2004			TEQ using 89-ITE-Factors	110		ng/Kg		0.85		SW-8290		Adjusted due to Blank Action
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	51207-31-9	2,3,7,8-TCDF	0.2	UJ	ng/Kg	0.2	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	1746-01-6	2,3,7,8-TCDD	0.22	J	ng/Kg	0.2	0.78	1	SW-8290	I	Result uncertain below the calibration range
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	57117-41-6	1,2,3,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	57117-31-4	2,3,4,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	40321-76-4	1,2,3,7,8-PeCDD	0.99	UJ	ng/Kg	0.99	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	70648-26-9	1,2,3,4,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	57117-44-9	1,2,3,6,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.99	UJ	ng/Kg	0.99	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	39227-28-6	1,2,3,4,7,8-HxCDD	0.99	UJ	ng/Kg	0.99	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	57653-85-7	1,2,3,6,7,8-HxCDD	3.4	J	ng/Kg	0.99	0.78	1	SW-8290	I	Result uncertain below the calibration range
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	19408-74-3	1,2,3,7,8,9-HxCDD	1.7	J	ng/Kg	0.99	0.78	1	SW-8290	I	Result uncertain below the calibration range
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	2.2	J	ng/Kg	0.99	0.78	1	SW-8290	I	Result uncertain below the calibration range
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.99	UJ	ng/Kg	0.99	0.78	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	29		ng/Kg	0.99	0.78	1	SW-8290		
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	39001-02-0	OCDF	7	J	ng/Kg	2	0.78	1	SW-8290	I	Result uncertain below the calibration range
CS-028	105831929	SO	7/9/2004	7/19/2004	7/24/2004	3268-87-9	OCDD	340		ng/Kg	2	0.78	1	SW-8290		
CS-028	105831929	SO	7/9/2004	7/19/2004			TEQ using 89-ITE-Factors	1.4		ng/Kg		0.78		SW-8290		
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	51207-31-9	2,3,7,8-TCDF	0.45	UJ	ng/Kg	0.26	0.83	1	SW-8290	I	Blank Action; Result uncertain below the calibration range; RL = EDL
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	1746-01-6	2,3,7,8-TCDD	1.4		ng/Kg	0.2	0.83	1	SW-8290		
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	57117-41-6	1,2,3,7,8-PeCDF	1	UJ	ng/Kg	1	0.83	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	57117-31-4	2,3,4,7,8-PeCDF	1	UJ	ng/Kg	1	0.83	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	40321-76-4	1,2,3,7,8-PeCDD	8.6		ng/Kg	1	0.83	1	SW-8290		
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	3.2	J	ng/Kg	1	0.83	1	SW-8290	I	Result uncertain below the calibration range
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	3.1	J	ng/Kg	1	0.83	1	SW-8290	I	Result uncertain below the calibration range
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	2.9	J	ng/Kg	1	0.83	1	SW-8290	I	Result uncertain below the calibration range
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1	UJ	ng/Kg	1	0.83	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	5.8		ng/Kg	1	0.83	1	SW-8290		
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	39		ng/Kg	1	0.83	1	SW-8290		
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	17		ng/Kg	1	0.83	1	SW-8290		
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	71		ng/Kg	1	0.83	1	SW-8290		
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	1.8	J	ng/Kg	1	0.83	1	SW-8290	I	Result uncertain below the calibration range
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	470		ng/Kg	1	0.83	1	SW-8290		
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	39001-02-0	OCDF	100		ng/Kg	2	0.83	1	SW-8290		
CS-029	105831937	SO	7/9/2004	7/19/2004	7/23/2004	3268-87-9	OCDD	7000		ng/Kg	2	0.83	1	SW-8290		
CS-029	105831937	SO	7/9/2004	7/19/2004			TEQ using 89-ITE-Factors	25		ng/Kg		0.83		SW-8290		Adjusted due to Blank Action
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	51207-31-9	2,3,7,8-TCDF	0.33	UJ	ng/Kg	0.2	0.81	1	SW-8290	I	Blank Action; Interference present; Result uncertain below the calibration range; RL = EDL
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	1746-01-6	2,3,7,8-TCDD	0.46	J	ng/Kg	0.2	0.81	1	SW-8290	I	Result uncertain below the calibration range
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	57117-41-6	1,2,3,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	57117-31-4	2,3,4,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	40321-76-4	1,2,3,7,8-PeCDD	2.8	J	ng/Kg	0.99	0.81	1	SW-8290	I	Result uncertain below the calibration range
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	1.2	J	ng/Kg	0.99	0.81	1	SW-8290	I	Result uncertain below the calibration range
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1.1	J	ng/Kg	0.99	0.81	1	SW-8290	I	Result uncertain below the calibration range
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	1.5	J	ng/Kg	0.99	0.81	1	SW-8290	H	Interference present
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	12		ng/Kg	0.99	0.81	1	SW-8290		
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	4.9	J	ng/Kg	0.99	0.81	1	SW-8290	I	Result uncertain below the calibration range

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	12		ng/Kg	0.99	0.81	1	SW-8290		
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.99	UJ	ng/Kg	0.99	0.81	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	140		ng/Kg	0.99	0.81	1	SW-8290		
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	39001-02-0	OCDF	32		ng/Kg	2	0.81	1	SW-8290		
CS-030	105831945	SO	7/9/2004	7/19/2004	7/23/2004	3268-87-9	OCDD	2100		ng/Kg	2.9	0.81	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-030	105831945	SO	7/9/2004	7/19/2004			TEQ using 89-ITE-Factors	7.5		ng/Kg		0.81		SW-8290		Adjusted due to Blank Action
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	51207-31-9	2,3,7,8-TCDF	0.002	UJ	ng/L	0.002		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	1746-01-6	2,3,7,8-TCDD	0.002	UJ	ng/L	0.002		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	57117-41-6	1,2,3,7,8-PeCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	57117-31-4	2,3,4,7,8-PeCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	40321-76-4	1,2,3,7,8-PeCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	70648-26-9	1,2,3,4,7,8-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	57117-44-9	1,2,3,6,7,8-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	39227-28-6	1,2,3,4,7,8-HxCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	57653-85-7	1,2,3,6,7,8-HxCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	19408-74-3	1,2,3,7,8,9-HxCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	0.015	UJ	ng/L	0.01		1	SW-8290	I	Blank Action; Result uncertain below the calibration range
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	39001-02-0	OCDF	0.02	UJ	ng/L	0.02		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-006	105831952	AQ	7/9/2004	7/21/2004	7/24/2004	3268-87-9	OCDD	0.2	U	ng/L	0.02		1	SW-8290		Blank Action
RB-006	105831952	AQ	7/9/2004	7/21/2004			TEQ using 89-ITE-Factors	0		ng/L				SW-8290		Adjusted due to Blank Action

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
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Validated: 0[illegible]/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateRecd	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-015	0407025-01	SO	07/06/2004	07/08/2004	07/19/2004	7440-38-2	Arsenic	2.9	J	mg/Kg	Dry	0.17	90.5	5	6020A	L	Serial dilution out
CS-016	0407025-02	SO	07/06/2004	07/08/2004	07/19/2004	7440-38-2	Arsenic	4.9	J	mg/Kg	Dry	0.18	84.4	5	6020A	L	Serial dilution out
CS-017	0407025-04	SO	07/06/2004	07/08/2004	07/19/2004	7440-38-2	Arsenic	2.9	J	mg/Kg	Dry	0.18	83.4	5	6020A	L	Serial dilution out
CS-018	0407025-05	SO	07/06/2004	07/08/2004	07/19/2004	7440-38-2	Arsenic	4.2	J	mg/Kg	Dry	0.19	83.9	5	6020A	L	Serial dilution out
CS-019	0407025-06	SO	07/06/2004	07/08/2004	07/19/2004	7440-38-2	Arsenic	3.7	J	mg/Kg	Dry	0.16	85.4	5	6020A	L	Serial dilution out
CS-020	0407025-07	SO	07/06/2004	07/08/2004	07/19/2004	7440-38-2	Arsenic	3.4	J	mg/Kg	Dry	0.19	80.4	5	6020A	L	Serial dilution out
CS-021	0407025-08	SO	07/06/2004	07/08/2004	07/19/2004	7440-38-2	Arsenic	3.6	J	mg/Kg	Dry	0.18	84.0	5	6020A	L	Serial dilution out
CS-022	0407025-09	SO	07/06/2004	07/08/2004	07/19/2004	7440-38-2	Arsenic	2.6	J	mg/Kg	Dry	0.20	76.3	5	6020A	L	Serial dilution out
CS-023	0407025-10	SO	07/09/2004	07/09/2004	07/19/2004	7440-38-2	Arsenic	4.0	J	mg/Kg	Dry	0.18	87.9	5	6020A	L	Serial dilution out
CS-024	0407025-11	SO	07/09/2004	07/09/2004	07/19/2004	7440-38-2	Arsenic	3.5	J	mg/Kg	Dry	0.15	86.6	5	6020A	L	Serial dilution out
CS-025	0407025-12	SO	07/09/2004	07/09/2004	07/19/2004	7440-38-2	Arsenic	3.4	J	mg/Kg	Dry	0.17	91.3	5	6020A	L	Serial dilution out
CS-026	0407025-13	SO	07/09/2004	07/09/2004	07/19/2004	7440-38-2	Arsenic	1.4	J	mg/Kg	Dry	0.18	91.3	5	6020A	L	Serial dilution out
CS-027	0407025-14	SO	07/09/2004	07/09/2004	07/19/2004	7440-38-2	Arsenic	2.0	J	mg/Kg	Dry	0.17	84.4	5	6020A	L	Serial dilution out
CS-028	0407025-15	SO	07/09/2004	07/09/2004	07/19/2004	7440-38-2	Arsenic	4.0	J	mg/Kg	Dry	0.21	78.2	5	6020A	L	Serial dilution out
CS-029	0407025-16	SO	07/09/2004	07/09/2004	07/19/2004	7440-38-2	Arsenic	2.6	J	mg/Kg	Dry	0.19	83.3	5	6020A	L	Serial dilution out
CS-030	0407025-17	SO	07/09/2004	07/09/2004	07/19/2004	7440-38-2	Arsenic	3.1	J	mg/Kg	Dry	0.16	81.7	5	6020A	L	Serial dilution out
CSE-016	0407025-03	SO	07/06/2004	07/08/2004	07/19/2004	7440-38-2	Arsenic	3.9	J	mg/Kg	Dry	0.19	84.9	5	6020A	L	Serial dilution out
RB-006	0407025-18	AQ	07/09/2004	07/09/2004	07/15/2004	7440-38-2	Arsenic	1.0	U	ug/L	N/A	1.0		5	6020A		
CS-015	0407025-01	SO	07/06/2004	07/08/2004	07/19/2004	7440-47-3	Chromium	48		mg/Kg	Dry	0.086	90.5	5	6020A		
CS-016	0407025-02	SO	07/06/2004	07/08/2004	07/19/2004	7440-47-3	Chromium	9.0		mg/Kg	Dry	0.090	84.4	5	6020A		
CS-017	0407025-04	SO	07/06/2004	07/08/2004	07/19/2004	7440-47-3	Chromium	480		mg/Kg	Dry	0.089	83.4	5	6020A		
CS-018	0407025-05	SO	07/06/2004	07/08/2004	07/19/2004	7440-47-3	Chromium	90		mg/Kg	Dry	0.096	83.9	5	6020A		
CS-019	0407025-06	SO	07/06/2004	07/08/2004	07/19/2004	7440-47-3	Chromium	32		mg/Kg	Dry	0.080	85.4	5	6020A		
CS-020	0407025-07	SO	07/06/2004	07/08/2004	07/19/2004	7440-47-3	Chromium	18		mg/Kg	Dry	0.097	80.4	5	6020A		
CS-021	0407025-08	SO	07/06/2004	07/08/2004	07/19/2004	7440-47-3	Chromium	880		mg/Kg	Dry	0.089	84.0	5	6020A		
CS-022	0407025-09	SO	07/06/2004	07/08/2004	07/19/2004	7440-47-3	Chromium	9.5		mg/Kg	Dry	0.10	76.3	5	6020A		
CS-023	0407025-10	SO	07/09/2004	07/09/2004	07/19/2004	7440-47-3	Chromium	43		mg/Kg	Dry	0.092	87.9	5	6020A		
CS-024	0407025-11	SO	07/09/2004	07/09/2004	07/19/2004	7440-47-3	Chromium	190		mg/Kg	Dry	0.074	86.6	5	6020A		
CS-025	0407025-12	SO	07/09/2004	07/09/2004	07/19/2004	7440-47-3	Chromium	27		mg/Kg	Dry	0.087	91.3	5	6020A		
CS-026	0407025-13	SO	07/09/2004	07/09/2004	07/19/2004	7440-47-3	Chromium	7.2		mg/Kg	Dry	0.089	91.3	5	6020A		
CS-027	0407025-14	SO	07/09/2004	07/09/2004	07/19/2004	7440-47-3	Chromium	680		mg/Kg	Dry	0.085	84.4	5	6020A		
CS-028	0407025-15	SO	07/09/2004	07/09/2004	07/19/2004	7440-47-3	Chromium	10		mg/Kg	Dry	0.10	78.2	5	6020A		
CS-029	0407025-16	SO	07/09/2004	07/09/2004	07/19/2004	7440-47-3	Chromium	220		mg/Kg	Dry	0.097	83.3	5	6020A		
CS-030	0407025-17	SO	07/09/2004	07/09/2004	07/19/2004	7440-47-3	Chromium	30		mg/Kg	Dry	0.081	81.7	5	6020A		
CSE-016	0407025-03	SO	07/06/2004	07/08/2004	07/19/2004	7440-47-3	Chromium	9.4		mg/Kg	Dry	0.094	84.9	5	6020A		

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Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

Maxymillian Technologies
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SampID	LabID	Matrix	DateSamp	DateRecd	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
RB-006	0407025-18	AQ	07/09/2004	07/09/2004	07/15/2004	7440-47-3	Chromium	2.5	U	ug/L	N/A	2.5		5	6020A		
CS-015	0407025-01	SO	07/06/2004	07/08/2004	07/19/2004	7439-92-1	Lead	23		mg/Kg	Dry	0.017	90.5	5	6020A		
CS-016	0407025-02	SO	07/06/2004	07/08/2004	07/19/2004	7439-92-1	Lead	7.9		mg/Kg	Dry	0.018	84.4	5	6020A		
CS-017	0407025-04	SO	07/06/2004	07/08/2004	07/19/2004	7439-92-1	Lead	23		mg/Kg	Dry	0.018	83.4	5	6020A		
CS-018	0407025-05	SO	07/06/2004	07/08/2004	07/19/2004	7439-92-1	Lead	47		mg/Kg	Dry	0.019	83.9	5	6020A		
CS-019	0407025-06	SO	07/06/2004	07/08/2004	07/19/2004	7439-92-1	Lead	18		mg/Kg	Dry	0.016	85.4	5	6020A		
CS-020	0407025-07	SO	07/06/2004	07/08/2004	07/19/2004	7439-92-1	Lead	10		mg/Kg	Dry	0.019	80.4	5	6020A		
CS-021	0407025-08	SO	07/06/2004	07/08/2004	07/19/2004	7439-92-1	Lead	48		mg/Kg	Dry	0.018	84.0	5	6020A		
CS-022	0407025-09	SO	07/06/2004	07/08/2004	07/19/2004	7439-92-1	Lead	6.9		mg/Kg	Dry	0.020	76.3	5	6020A		
CS-023	0407025-10	SO	07/09/2004	07/09/2004	07/19/2004	7439-92-1	Lead	30		mg/Kg	Dry	0.018	87.9	5	6020A		
CS-024	0407025-11	SO	07/09/2004	07/09/2004	07/19/2004	7439-92-1	Lead	27		mg/Kg	Dry	0.015	86.6	5	6020A		
CS-025	0407025-12	SO	07/09/2004	07/09/2004	07/19/2004	7439-92-1	Lead	9.6		mg/Kg	Dry	0.017	91.3	5	6020A		
CS-026	0407025-13	SO	07/09/2004	07/09/2004	07/19/2004	7439-92-1	Lead	4.4		mg/Kg	Dry	0.018	91.3	5	6020A		
CS-027	0407025-14	SO	07/09/2004	07/09/2004	07/19/2004	7439-92-1	Lead	31		mg/Kg	Dry	0.017	84.4	5	6020A		
CS-028	0407025-15	SO	07/09/2004	07/09/2004	07/19/2004	7439-92-1	Lead	8.2		mg/Kg	Dry	0.021	78.2	5	6020A		
CS-029	0407025-16	SO	07/09/2004	07/09/2004	07/19/2004	7439-92-1	Lead	16		mg/Kg	Dry	0.019	83.3	5	6020A		
CS-030	0407025-17	SO	07/09/2004	07/09/2004	07/19/2004	7439-92-1	Lead	8.5		mg/Kg	Dry	0.016	81.7	5	6020A		
CSE-016	0407025-03	SO	07/06/2004	07/08/2004	07/19/2004	7439-92-1	Lead	8.5		mg/Kg	Dry	0.019	84.9	5	6020A		
RB-006	0407025-18	AQ	07/09/2004	07/09/2004	07/15/2004	7439-92-1	Lead	0.50	U	ug/L	N/A	0.50		5	6020A		
CS-015	0407025-01	SO	07/06/2004	07/08/2004	07/16/2004	7439-97-6	Mercury	0.21		mg/Kg	Dry	0.0061	90.5	1	7471A		
CS-016	0407025-02	SO	07/06/2004	07/08/2004	07/16/2004	7439-97-6	Mercury	0.055		mg/Kg	Dry	0.0064	84.4	1	7471A		
CS-017	0407025-04	SO	07/06/2004	07/08/2004	07/16/2004	7439-97-6	Mercury	0.21		mg/Kg	Dry	0.0063	83.4	1	7471A		
CS-018	0407025-05	SO	07/06/2004	07/08/2004	07/16/2004	7439-97-6	Mercury	1.1		mg/Kg	Dry	0.031	83.9	5	7471A		
CS-019	0407025-06	SO	07/06/2004	07/08/2004	07/16/2004	7439-97-6	Mercury	0.33		mg/Kg	Dry	0.0064	85.4	1	7471A		
CS-020	0407025-07	SO	07/06/2004	07/08/2004	07/16/2004	7439-97-6	Mercury	0.049		mg/Kg	Dry	0.0066	80.4	1	7471A		
CS-021	0407025-08	SO	07/06/2004	07/08/2004	07/16/2004	7439-97-6	Mercury	0.22		mg/Kg	Dry	0.0063	84.0	1	7471A		
CS-022	0407025-09	SO	07/06/2004	07/08/2004	07/16/2004	7439-97-6	Mercury	0.014		mg/Kg	Dry	0.0072	76.3	1	7471A		
CS-023	0407025-10	SO	07/09/2004	07/09/2004	07/16/2004	7439-97-6	Mercury	0.45		mg/Kg	Dry	0.0059	87.9	1	7471A		
CS-024	0407025-11	SO	07/09/2004	07/09/2004	07/16/2004	7439-97-6	Mercury	0.21		mg/Kg	Dry	0.0061	86.6	1	7471A		
CS-025	0407025-12	SO	07/09/2004	07/09/2004	07/16/2004	7439-97-6	Mercury	0.052		mg/Kg	Dry	0.0058	91.3	1	7471A		
CS-026	0407025-13	SO	07/09/2004	07/09/2004	07/16/2004	7439-97-6	Mercury	0.011		mg/Kg	Dry	0.0059	91.3	1	7471A		
CS-027	0407025-14	SO	07/09/2004	07/09/2004	07/16/2004	7439-97-6	Mercury	1.5		mg/Kg	Dry	0.033	84.4	5	7471A		
CS-028	0407025-15	SO	07/09/2004	07/09/2004	07/16/2004	7439-97-6	Mercury	0.013		mg/Kg	Dry	0.0069	78.2	1	7471A		
CS-029	0407025-16	SO	07/09/2004	07/09/2004	07/16/2004	7439-97-6	Mercury	0.14		mg/Kg	Dry	0.0061	83.3	1	7471A		
CS-030	0407025-17	SO	07/09/2004	07/09/2004	07/16/2004	7439-97-6	Mercury	0.034		mg/Kg	Dry	0.0062	81.7	1	7471A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

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Pownal Tannery Superfund Site, Pownal, VT
Confirmatory Soil Sidewall -- 2004

SampID	LabID	Matrix	DateSamp	DateRecd	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CSE-016	0407025-03	SO	07/06/2004	07/08/2004	07/16/2004	7439-97-6	Mercury	0.057		mg/Kg	Dry	0.0064	84.9	1	7471A		
RB-006	0407025-18	AQ	07/09/2004	07/09/2004	07/15/2004	7439-97-6	Mercury	0.20	U	ug/L	N/A	0.20		1	7470A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

C5031-038

Pownal Tannery S[illegible]nd Site, Pownal, VT
Confirmatory Soil from Sidewall Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-031	0407048-01	SO	07/13/2004	07/23/2004	08/04/2004	87-86-5	Pentachlorophenol	480	UJ	ug/Kg	480	80.8	2	8270	I	Initial Calibration out of criteria
CS-031	0407048-01	SO	07/13/2004	07/23/2004	08/04/2004	56-55-3	Benz[a]anthracene	1700		ug/Kg	61	80.8	2	8270		
CS-032	0407048-02	SO	07/13/2004	07/23/2004	08/05/2004	87-86-5	Pentachlorophenol	410	UJ	ug/Kg	410	94.8	2	8270	I	Initial Calibration out of criteria
CS-032	0407048-02	SO	07/13/2004	07/23/2004	08/05/2004	56-55-3	Benz[a]anthracene	5600		ug/Kg	100	94.8	4	8270		
CS-033	0407048-03	SO	07/13/2004	07/23/2004	08/05/2004	87-86-5	Pentachlorophenol	430	R	ug/Kg	430	89.0	2	8270		Unusable: 0% MS/MSD recovery
CS-033	0407048-03	SO	07/13/2004	07/23/2004	08/05/2004	56-55-3	Benz[a]anthracene	530	J	ug/Kg	54	89.0	2	8270	L	Low MS/MSD recovery
CSE-033	0407048-04	SO	07/13/2004	07/23/2004	08/05/2004	87-86-5	Pentachlorophenol	440	UJ	ug/Kg	440	88.1	2	8270	I	Initial Calibration out of criteria
CSE-033	0407048-04	SO	07/13/2004	07/23/2004	08/05/2004	56-55-3	Benz[a]anthracene	340		ug/Kg	55	88.1	2	8270		
CS-034	0407048-05	SO	07/13/2004	07/23/2004	08/05/2004	87-86-5	Pentachlorophenol	450	UJ	ug/Kg	450	87.4	2	8270	I	Initial Calibration out of criteria
CS-034	0407048-05	SO	07/13/2004	07/23/2004	08/05/2004	56-55-3	Benz[a]anthracene	210		ug/Kg	56	87.4	2	8270		
RB-007	0407048-06	AQ	07/13/2004	07/19/2004	08/04/2004	87-86-5	Pentachlorophenol	2.0	UJ	ug/L	2.0		1	8270	I	Initial Calibration out of criteria
RB-007	0407048-06	AQ	07/13/2004	07/19/2004	08/04/2004	56-55-3	Benz[a]anthracene	0.25	U	ug/L	0.25		1	8270		
CS-035	0407048-07	SO	07/19/2004	07/23/2004	08/05/2004	87-86-5	Pentachlorophenol	490	UJ	ug/Kg	490	81.1	2	8270	I	Initial Calibration out of criteria
CS-035	0407048-07	SO	07/19/2004	07/23/2004	08/05/2004	56-55-3	Benz[a]anthracene	180		ug/Kg	61	81.1	2	8270		
CS-036	0407048-08	SO	07/19/2004	07/23/2004	08/05/2004	87-86-5	Pentachlorophenol	470	UJ	ug/Kg	470	82.9	2	8270	I	Initial Calibration out of criteria
CS-036	0407048-08	SO	07/19/2004	07/23/2004	08/05/2004	56-55-3	Benz[a]anthracene	200		ug/Kg	59	82.9	2	8270		
CS-037	0407048-09	SO	07/19/2004	07/23/2004	08/05/2004	87-86-5	Pentachlorophenol	430	UJ	ug/Kg	430	89.4	2	8270	I	Initial Calibration out of criteria
CS-037	0407048-09	SO	07/19/2004	07/23/2004	08/05/2004	56-55-3	Benz[a]anthracene	700		ug/Kg	54	89.4	2	8270		
CS-038	0407048-10	SO	07/19/2004	07/23/2004	08/05/2004	87-86-5	Pentachlorophenol	450	UJ	ug/Kg	450	87.5	2	8270	I	Initial Calibration out of criteria
CS-038	0407048-10	SO	07/19/2004	07/23/2004	08/05/2004	56-55-3	Benz[a]anthracene	250		ug/Kg	56	87.5	2	8270		
CS-031	0407048-01	SO	07/13/2004	07/23/2004	07/29/2004	621-64-7	n-Nitroso-di-n-propylamine	24	U	ug/Kg	24	80.8	4	PAH SIM		
CS-031	0407048-01	SO	07/13/2004	07/23/2004	07/29/2004	50-32-8	Benzo[a]pyrene	1100		ug/Kg	24	80.8	4	PAH SIM		
CS-032	0407048-02	SO	07/13/2004	07/23/2004	07/29/2004	621-64-7	n-Nitroso-di-n-propylamine	21	U	ug/Kg	21	94.8	4	PAH SIM		
CS-032	0407048-02	SO	07/13/2004	07/23/2004	07/30/2004	50-32-8	Benzo[a]pyrene	5700		ug/Kg	41	94.8	8	PAH SIM		
CS-033	0407048-03	SO	07/13/2004	07/23/2004	07/29/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	89.0	4	PAH SIM		
CS-033	0407048-03	SO	07/13/2004	07/23/2004	07/29/2004	50-32-8	Benzo[a]pyrene	500	J	ug/Kg	22	89.0	4	PAH SIM	L	Low MS/MSD recovery
CSE-033	0407048-04	SO	07/13/2004	07/23/2004	07/30/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	88.1	4	PAH SIM		
CSE-033	0407048-04	SO	07/13/2004	07/23/2004	07/30/2004	50-32-8	Benzo[a]pyrene	350		ug/Kg	22	88.1	4	PAH SIM		
CS-034	0407048-05	SO	07/13/2004	07/23/2004	07/30/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	87.4	4	PAH SIM		
CS-034	0407048-05	SO	07/13/2004	07/23/2004	07/30/2004	50-32-8	Benzo[a]pyrene	210		ug/Kg	22	87.4	4	PAH SIM		
RB-007	0407048-06	AQ	07/13/2004	07/19/2004	07/29/2004	621-64-7	n-Nitroso-di-n-propylamine	50	U	ng/L	50		1	PAH SIM		
RB-007	0407048-06	AQ	07/13/2004	07/19/2004	07/29/2004	50-32-8	Benzo[a]pyrene	50	U	ng/L	50		1	PAH SIM		
CS-035	0407048-07	SO	07/19/2004	07/23/2004	07/30/2004	621-64-7	n-Nitroso-di-n-propylamine	24	U	ug/Kg	24	81.1	4	PAH SIM		
CS-035	0407048-07	SO	07/19/2004	07/23/2004	07/30/2004	50-32-8	Benzo[a]pyrene	200		ug/Kg	24	81.1	4	PAH SIM		
CS-036	0407048-08	SO	07/19/2004	07/23/2004	07/30/2004	621-64-7	n-Nitroso-di-n-propylamine	24	U	ug/Kg	24	82.9	4	PAH SIM		
CS-036	0407048-08	SO	07/19/2004	07/23/2004	07/30/2004	50-32-8	Benzo[a]pyrene	310		ug/Kg	24	82.9	4	PAH SIM		
CS-037	0407048-09	SO	07/19/2004	07/23/2004	07/30/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	89.4	4	PAH SIM		
CS-037	0407048-09	SO	07/19/2004	07/23/2004	07/30/2004	50-32-8	Benzo[a]pyrene	710		ug/Kg	22	89.4	4	PAH SIM		
CS-038	0407048-10	SO	07/19/2004	07/23/2004	07/30/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	87.5	4	PAH SIM		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

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Pownal Tannery Su[illegible]und Site, Pownal, VT

Confirmatory Soil from Sidewall Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-038	0407048-10	SO	07/19/2004	07/23/2004	07/30/2004	50-32-8	Benzo[a]pyrene	270		ug/Kg	22	87.5	4	PAH SIM		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	51207-31-9	2,3,7,8-TCDF	4		ng/Kg	0.34	0.74	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	1746-01-6	2,3,7,8-TCDD	41		ng/Kg	0.3	0.74	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	57117-41-6	1,2,3,7,8-PeCDF	0.97	UJ	ng/Kg	0.97	0.74	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	57117-31-4	2,3,4,7,8-PeCDF	16		ng/Kg	0.97	0.74	1	SW-8290		
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	40321-76-4	1,2,3,7,8-PeCDD	240		ng/Kg	0.97	0.74	1	SW-8290		
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	70648-26-9	1,2,3,4,7,8-HxCDF	47	J	ng/Kg	0.97	0.74	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	57117-44-9	1,2,3,6,7,8-HxCDF	31		ng/Kg	0.97	0.74	1	SW-8290		
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	60851-34-5	2,3,4,6,7,8-HxCDF	74	J	ng/Kg	0.97	0.74	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	72918-21-9	1,2,3,7,8,9-HxCDF	3.6	J	ng/Kg	0.97	0.74	1	SW-8290	I	Result uncertain below the calibration range
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	39227-28-6	1,2,3,4,7,8-HxCDD	330		ng/Kg	1.1	0.74	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	57653-85-7	1,2,3,6,7,8-HxCDD	1200		ng/Kg	1.3	0.74	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	19408-74-3	1,2,3,7,8,9-HxCDD	490		ng/Kg	1.6	0.74	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	860		ng/Kg	0.97	0.74	1	SW-8290		
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	35		ng/Kg	0.97	0.74	1	SW-8290		
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	13000		ng/Kg	3.1	0.74	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-031	105867329	SO	7/13/2004	7/28/2004	8/1/2004	39001-02-0	OCDF	1800		ng/Kg	1.9	0.74	1	SW-8290		
CS-031	105867329	SO	7/13/2004	7/28/2004	8/3/2004	3268-87-9	OCDD	110000		ng/Kg	97	0.74	50	SW-8290		
CS-031	105867329	SO	7/13/2004	7/28/2004			TEQ using 89-ITE-Factors	820		ng/Kg		0.74		SW-8290		
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	51207-31-9	2,3,7,8-TCDF	1.6		ng/Kg	0.2	0.92	1	SW-8290		
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	1746-01-6	2,3,7,8-TCDD	0.2	UJ	ng/Kg	0.2	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	57117-41-6	1,2,3,7,8-PeCDF	1	UJ	ng/Kg	1	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	57117-31-4	2,3,4,7,8-PeCDF	1	UJ	ng/Kg	1	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	40321-76-4	1,2,3,7,8-PeCDD	1	UJ	ng/Kg	1	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	70648-26-9	1,2,3,4,7,8-HxCDF	1	UJ	ng/Kg	1	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1	UJ	ng/Kg	1	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	60851-34-5	2,3,4,6,7,8-HxCDF	1	UJ	ng/Kg	1	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1	UJ	ng/Kg	1	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	39227-28-6	1,2,3,4,7,8-HxCDD	1	UJ	ng/Kg	1	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	57653-85-7	1,2,3,6,7,8-HxCDD	1.1	J	ng/Kg	1	0.92	1	SW-8290	I	Result uncertain below the calibration range
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	19408-74-3	1,2,3,7,8,9-HxCDD	1	UJ	ng/Kg	1	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	3	J	ng/Kg	1	0.92	1	SW-8290	I	Result uncertain below the calibration range
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	1	UJ	ng/Kg	1	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	18		ng/Kg	1	0.92	1	SW-8290		
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	39001-02-0	OCDF	3	J	ng/Kg	2	0.92	1	SW-8290	I	Result uncertain below the calibration range
CS-032	105870869	SO	7/13/2004	8/6/2004	8/11/2004	3268-87-9	OCDD	420		ng/Kg	2	0.92	1	SW-8290		
CS-032	105870869	SO	7/13/2004	8/6/2004			TEQ using 89-ITE-Factors	0.91		ng/Kg		0.92		SW-8290		
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	51207-31-9	2,3,7,8-TCDF	0.97	J	ng/Kg	0.2	0.88	1	SW-8290	I	Result uncertain below the calibration range
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	1746-01-6	2,3,7,8-TCDD	0.83	J	ng/Kg	0.26	0.88	1	SW-8290	I	FD & MD imprecision; Result uncertain below the calibration range; RL = EDL
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	57117-41-6	1,2,3,7,8-PeCDF	1	UJ	ng/Kg	1	0.88	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	57117-31-4	2,3,4,7,8-PeCDF	1.2	J	ng/Kg	1	0.88	1	SW-8290	I	Result uncertain below the calibration range
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	40321-76-4	1,2,3,7,8-PeCDD	2.7	J	ng/Kg	1	0.88	1	SW-8290	I	Result uncertain below the calibration range
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	70648-26-9	1,2,3,4,7,8-HxCDF	1.6	J	ng/Kg	1	0.88	1	SW-8290	I	MD imprecision; Result uncertain below the calibration range
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1.6	J	ng/Kg	1	0.88	1	SW-8290	I	Result uncertain below the calibration range
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	60851-34-5	2,3,4,6,7,8-HxCDF	1.1	J	ng/Kg	1	0.88	1	SW-8290	I	Result uncertain below the calibration range
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1	UJ	ng/Kg	1	0.88	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	39227-28-6	1,2,3,4,7,8-HxCDD	3.6	J	ng/Kg	1	0.88	1	SW-8290	I	FD & MD imprecision; Result uncertain below the calibration range
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	57653-85-7	1,2,3,6,7,8-HxCDD	8.8		ng/Kg	1	0.88	1	SW-8290		
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	19408-74-3	1,2,3,7,8,9-HxCDD	3.3	J	ng/Kg	1	0.88	1	SW-8290	I	Result uncertain below the calibration range
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	41		ng/Kg	1	0.88	1	SW-8290		
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	1.1	J	ng/Kg	1	0.88	1	SW-8290	I	Result uncertain below the calibration range
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	130		ng/Kg	1	0.88	1	SW-8290		
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	39001-02-0	OCDF	54		ng/Kg	2	0.88	1	SW-8290		
CS-033	105867337	SO	7/13/2004	7/28/2004	8/1/2004	3268-87-9	OCDD	1400		ng/Kg	2	0.88	1	SW-8290		
CS-033	105867337	SO	7/13/2004	7/28/2004			TEQ using 89-ITE-Factors	8		ng/Kg		0.88		SW-8290		
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	51207-31-9	2,3,7,8-TCDF	0.98		ng/Kg	0.26	0.89	1	SW-8290		RL = Estimated Detection Limit (EDL)
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	1746-01-6	2,3,7,8-TCDD	0.46	J	ng/Kg	0.23	0.89	1	SW-8290	I	FD imprecision; Result = Estimated Maximum Possible Concentration (EMPC); Interference present; RL=EDL
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	57117-41-6	1,2,3,7,8-PeCDF	0.97	UJ	ng/Kg	0.97	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	57117-31-4	2,3,4,7,8-PeCDF	1	J	ng/Kg	0.97	0.89	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); Interference present
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	40321-76-4	1,2,3,7,8-PeCDD	3.3	J	ng/Kg	0.97	0.89	1	SW-8290	I	Result uncertain below the calibration range
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	70648-26-9	1,2,3,4,7,8-HxCDF	1.6	J	ng/Kg	0.97	0.89	1	SW-8290	I	Result uncertain below the calibration range
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1.3	J	ng/Kg	0.97	0.89	1	SW-8290	I	Result uncertain below the calibration range
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	60851-34-5	2,3,4,6,7,8-HxCDF	1.4	J	ng/Kg	0.97	0.89	1	SW-8290	I	Result uncertain below the calibration range
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.97	UJ	ng/Kg	0.97	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain

U - Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	39227-28-6	1,2,3,4,7,8-HxCDD	2	J	ng/Kg	0.97	0.89	1	SW-8290	I	FD Imprecision; Result = Estimated Maximum Possible Concentration (EMPC); Interference present
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	57653-85-7	1,2,3,6,7,8-HxCDD	13		ng/Kg	0.97	0.89	1	SW-8290		
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	19408-74-3	1,2,3,7,8,9-HxCDD	5		ng/Kg	0.97	0.89	1	SW-8290		
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	39		ng/Kg	0.97	0.89	1	SW-8290		
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.97	UJ	ng/Kg	0.97	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	140		ng/Kg	0.97	0.89	1	SW-8290		
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	39001-02-0	OCDF	62		ng/Kg	1.9	0.89	1	SW-8290		
CSE-033	105867345	SO	7/13/2004	7/28/2004	8/1/2004	3268-87-9	OCDD	1300		ng/Kg	1.9	0.89	1	SW-8290		
CSE-033	105867345	SO	7/13/2004	7/28/2004			TEQ using 89-ITE-Factors	7		ng/Kg		0.89		SW-8290		
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	51207-31-9	2,3,7,8-TCDF	1.2		ng/Kg	0.2	0.9	1	SW-8290		
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	1746-01-6	2,3,7,8-TCDD	1.6		ng/Kg	0.2	0.9	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	57117-41-6	1,2,3,7,8-PeCDF	6.8	J	ng/Kg	0.99	0.9	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	57117-31-4	2,3,4,7,8-PeCDF	2.3	J	ng/Kg	0.99	0.9	1	SW-8290	I	Result uncertain below the calibration range
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	40321-76-4	1,2,3,7,8-PeCDD	10		ng/Kg	0.99	0.9	1	SW-8290		
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	70648-26-9	1,2,3,4,7,8-HxCDF	3.1	J	ng/Kg	0.99	0.9	1	SW-8290	I	Result uncertain below the calibration range
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1.2	J	ng/Kg	0.99	0.9	1	SW-8290	I	Result uncertain below the calibration range
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	60851-34-5	2,3,4,6,7,8-HxCDF	1.4	J	ng/Kg	0.99	0.9	1	SW-8290	I	Result uncertain below the calibration range
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.99	UJ	ng/Kg	0.99	0.9	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	39227-28-6	1,2,3,4,7,8-HxCDD	13		ng/Kg	0.99	0.9	1	SW-8290		
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	57653-85-7	1,2,3,6,7,8-HxCDD	43		ng/Kg	0.99	0.9	1	SW-8290		
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	19408-74-3	1,2,3,7,8,9-HxCDD	18		ng/Kg	0.99	0.9	1	SW-8290		
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	92		ng/Kg	0.99	0.9	1	SW-8290		
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	2.5	J	ng/Kg	0.99	0.9	1	SW-8290	I	Result uncertain below the calibration range
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	440		ng/Kg	0.99	0.9	1	SW-8290		
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	39001-02-0	OCDF	120		ng/Kg	2	0.9	1	SW-8290		
CS-034	105867352	SO	7/13/2004	7/28/2004	8/1/2004	3268-87-9	OCDD	4700		ng/Kg	2	0.9	1	SW-8290		
CS-034	105867352	SO	7/13/2004	7/28/2004			TEQ using 89-ITE-Factors	26		ng/Kg		0.9		SW-8290		
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	51207-31-9	2,3,7,8-TCDF	1.1		ng/Kg	0.25	0.8	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	1746-01-6	2,3,7,8-TCDD	0.34	J	ng/Kg	0.2	0.8	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); Interference present
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	57117-41-6	1,2,3,7,8-PeCDF	100	J	ng/Kg	1	0.8	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	57117-31-4	2,3,4,7,8-PeCDF	6.4	J	ng/Kg	1	0.8	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	40321-76-4	1,2,3,7,8-PeCDD	3.2	J	ng/Kg	1	0.8	1	SW-8290	I	Result uncertain below the calibration range
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	70648-26-9	1,2,3,4,7,8-HxCDF	4.6	J	ng/Kg	1	0.8	1	SW-8290	I	Result uncertain below the calibration range
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	57117-44-9	1,2,3,6,7,8-HxCDF	2.7	J	ng/Kg	1	0.8	1	SW-8290	I	Result uncertain below the calibration range
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	60851-34-5	2,3,4,6,7,8-HxCDF	4.2	J	ng/Kg	1	0.8	1	SW-8290	I	Result uncertain below the calibration range
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1.9	J	ng/Kg	1	0.8	1	SW-8290	I	Result uncertain below the calibration range
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	39227-28-6	1,2,3,4,7,8-HxCDD	5.5		ng/Kg	1	0.8	1	SW-8290		
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	57653-85-7	1,2,3,6,7,8-HxCDD	18		ng/Kg	1	0.8	1	SW-8290		
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	19408-74-3	1,2,3,7,8,9-HxCDD	4.1	J	ng/Kg	1	0.8	1	SW-8290	I	Result uncertain below the calibration range
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	400		ng/Kg	1	0.8	1	SW-8290		
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	6.6		ng/Kg	1	0.8	1	SW-8290		
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	710		ng/Kg	1	0.8	1	SW-8290		
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	39001-02-0	OCDF	780		ng/Kg	2	0.8	1	SW-8290		
CS-035	105867360	SO	7/19/2004	7/28/2004	8/1/2004	3268-87-9	OCDD	14000		ng/Kg	2	0.8	1	SW-8290		
CS-035	105867360	SO	7/19/2004	7/28/2004			TEQ using 89-ITE-Factors	32		ng/Kg		0.8		SW-8290		
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	51207-31-9	2,3,7,8-TCDF	1.4		ng/Kg	1.1	0.83	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	1746-01-6	2,3,7,8-TCDD	1.2	J	ng/Kg	0.87	0.83	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); Interference present; RL=EDL
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	57117-41-6	1,2,3,7,8-PeCDF	1.3	UJ	ng/Kg	1.3	0.83	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	57117-31-4	2,3,4,7,8-PeCDF	7.8		ng/Kg	0.99	0.83	1	SW-8290		
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	40321-76-4	1,2,3,7,8-PeCDD	10		ng/Kg	0.99	0.83	1	SW-8290		
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	70648-26-9	1,2,3,4,7,8-HxCDF	0.89	UJ	ng/Kg	0.99	0.83	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	57117-44-9	1,2,3,6,7,8-HxCDF	0.99	UJ	ng/Kg	0.99	0.83	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	60851-34-5	2,3,4,6,7,8-HxCDF	9.4		ng/Kg	0.99	0.83	1	SW-8290		
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	72918-21-9	1,2,3,7,8,9-HxCDF	16	J	ng/Kg	1	0.83	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference; RL = EDL
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	39227-28-6	1,2,3,4,7,8-HxCDD	22		ng/Kg	1.9	0.83	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	57653-85-7	1,2,3,6,7,8-HxCDD	150		ng/Kg	1.1	0.83	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	19408-74-3	1,2,3,7,8,9-HxCDD	36		ng/Kg	0.99	0.83	1	SW-8290		
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	1200		ng/Kg	2.1	0.83	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	51		ng/Kg	2.2	0.83	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	8400		ng/Kg	2	0.83	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-036	105867386	SO	7/19/2004	7/28/2004	8/1/2004	39001-02-0	OCDF	3500		ng/Kg	2	0.83	1	SW-8290		
CS-036	105867386	SO	7/19/2004	7/28/2004	8/3/2004	3268-87-9	OCDD	94000		ng/Kg	20	0.83	10	SW-8290		
CS-036	105867386	SO	7/19/2004	7/28/2004			TEQ using 89-ITE-Factors	220		ng/Kg		0.83		SW-8290		

U - Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	51207-31-9	2,3,7,8-TCDF	1.5		ng/Kg	0.2	0.91	1	SW-8290		
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	1746-01-6	2,3,7,8-TCDD	1.3		ng/Kg	0.2	0.91	1	SW-8290		
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	57117-41-6	1,2,3,7,8-PeCDF	12	J	ng/Kg	0.99	0.91	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	57117-31-4	2,3,4,7,8-PeCDF	2	J	ng/Kg	0.99	0.91	1	SW-8290	I	Result uncertain below the calibration range
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	40321-76-4	1,2,3,7,8-PeCDD	4.1	J	ng/Kg	0.99	0.91	1	SW-8290	I	Result uncertain below the calibration range
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	70648-26-9	1,2,3,4,7,8-HxCDF	4.4	J	ng/Kg	0.99	0.91	1	SW-8290	I	Result uncertain below the calibration range
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1.6	J	ng/Kg	0.99	0.91	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); Interference present
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	60851-34-5	2,3,4,6,7,8-HxCDF	5.7		ng/Kg	0.99	0.91	1	SW-8290		
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1.1	J	ng/Kg	0.99	0.91	1	SW-8290	I	Result uncertain below the calibration range
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	39227-28-6	1,2,3,4,7,8-HxCDD	8.8		ng/Kg	0.99	0.91	1	SW-8290		
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	57653-85-7	1,2,3,6,7,8-HxCDD	32		ng/Kg	0.99	0.91	1	SW-8290		
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	19408-74-3	1,2,3,7,8,9-HxCDD	10		ng/Kg	0.99	0.91	1	SW-8290		
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	120		ng/Kg	0.99	0.91	1	SW-8290		
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	8.8		ng/Kg	0.99	0.91	1	SW-8290		
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	1200		ng/Kg	0.99	0.91	1	SW-8290		
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	39001-02-0	OCDF	370		ng/Kg	2	0.91	1	SW-8290		
CS-037	105867394	SO	7/19/2004	7/28/2004	8/1/2004	3268-87-9	OCDD	20000		ng/Kg	2	0.91	1	SW-8290		
CS-037	105867394	SO	7/19/2004	7/28/2004			TEQ using 89-ITE-Factors	45		ng/Kg		0.91		SW-8290		
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	51207-31-9	2,3,7,8-TCDF	0.99		ng/Kg	0.22	0.87	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	1746-01-6	2,3,7,8-TCDD	1.8		ng/Kg	0.19	0.87	1	SW-8290		
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	57117-41-6	1,2,3,7,8-PeCDF	35	J	ng/Kg	0.97	0.87	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	57117-31-4	2,3,4,7,8-PeCDF	2.3	J	ng/Kg	0.97	0.87	1	SW-8290	I	Result uncertain below the calibration range
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	40321-76-4	1,2,3,7,8-PeCDD	4.6	J	ng/Kg	0.97	0.87	1	SW-8290	I	Result uncertain below the calibration range
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	70648-26-9	1,2,3,4,7,8-HxCDF	5		ng/Kg	0.97	0.87	1	SW-8290		
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	57117-44-9	1,2,3,6,7,8-HxCDF	2.1	J	ng/Kg	0.97	0.87	1	SW-8290	I	Result uncertain below the calibration range
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	60851-34-5	2,3,4,6,7,8-HxCDF	8.6		ng/Kg	0.97	0.87	1	SW-8290		
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1.2	J	ng/Kg	0.97	0.87	1	SW-8290	I	Result uncertain below the calibration range
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	39227-28-6	1,2,3,4,7,8-HxCDD	13		ng/Kg	0.97	0.87	1	SW-8290		
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	57653-85-7	1,2,3,6,7,8-HxCDD	59		ng/Kg	0.97	0.87	1	SW-8290		
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	19408-74-3	1,2,3,7,8,9-HxCDD	19		ng/Kg	0.97	0.87	1	SW-8290		
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	190		ng/Kg	0.97	0.87	1	SW-8290		
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	7.8		ng/Kg	0.97	0.87	1	SW-8290		
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	4000		ng/Kg	1.5	0.87	1	SW-8290		RL = Estimated Detection Limit (EDL)
CS-038	105867402	SO	7/19/2004	7/28/2004	8/1/2004	39001-02-0	OCDF	650		ng/Kg	1.9	0.87	1	SW-8290		
CS-038	105867402	SO	7/19/2004	7/28/2004	8/3/2004	3268-87-9	OCDD	41000		ng/Kg	19	0.87	10	SW-8290		
CS-038	105867402	SO	7/19/2004	7/28/2004			TEQ using 89-ITE-Factors	98		ng/Kg		0.87		SW-8290		
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	51207-31-9	2,3,7,8-TCDF	0.0021	UJ	ng/L	0.0021		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	1746-01-6	2,3,7,8-TCDD	0.0021	UJ	ng/L	0.0021		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	57117-41-6	1,2,3,7,8-PeCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	57117-31-4	2,3,4,7,8-PeCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	40321-76-4	1,2,3,7,8-PeCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	70648-26-9	1,2,3,4,7,8-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	57117-44-9	1,2,3,6,7,8-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	39227-28-6	1,2,3,4,7,8-HxCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	57653-85-7	1,2,3,6,7,8-HxCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	19408-74-3	1,2,3,7,8,9-HxCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	39001-02-0	OCDF	0.021	UJ	ng/L	0.021		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-007	105867410	AQ	7/13/2004	8/10/2004	8/13/2004	3268-87-9	OCDD	0.022	UJ	ng/L	0.021		1	SW-8290	I	Blank Action & Result uncertain below the calibration range
RB-007	105867410	AQ	7/13/2004	8/10/2004			TEQ using 89-ITE-Factors	0		ng/L				SW-8290		Adjusted due to Blank Action

U - Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Confirmatory Soil Sidewall -- 2004

Validated: 06/05/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	MDL	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-031	0407048-01	SO	07/13/2004	07/26/2004	07/27/2004	7440-38-2	Arsenic	2.6	J	mg/Kg	Dry	0.091	0.025	80.8	5	6020A	I	MD Imprecision
CS-032	0407048-02	SO	07/13/2004	07/26/2004	07/27/2004	7440-38-2	Arsenic	4.9	J	mg/Kg	Dry	0.077	0.025	94.8	5	6020A	I	MD Imprecision
CS-033	0407048-03	SO	07/13/2004	07/26/2004	07/27/2004	7440-38-2	Arsenic	9.6	J	mg/Kg	Dry	0.091	0.025	89.0	5	6020A	I	MD + FD Imprecision
CS-034	0407048-05	SO	07/13/2004	07/26/2004	07/27/2004	7440-38-2	Arsenic	4.2	J	mg/Kg	Dry	0.081	0.025	87.4	5	6020A	I	MD Imprecision
CS-035	0407048-07	SO	07/19/2004	07/26/2004	07/27/2004	7440-38-2	Arsenic	7.1	J	mg/Kg	Dry	0.095	0.025	81.1	5	6020A	I	MD imprecision
CS-036	0407048-08	SO	07/19/2004	07/26/2004	07/27/2004	7440-38-2	Arsenic	5.2	J	mg/Kg	Dry	0.092	0.025	83.0	5	6020A	I	MD imprecision
CS-037	0407048-09	SO	07/19/2004	07/26/2004	07/27/2004	7440-38-2	Arsenic	5.0	J	mg/Kg	Dry	0.068	0.025	89.4	5	6020A	I	MD imprecision
CS-038	0407048-10	SO	07/19/2004	07/26/2004	07/27/2004	7440-38-2	Arsenic	4.6	J	mg/Kg	Dry	0.076	0.025	87.5	5	6020A	I	MD imprecision
CSE-033	0407048-04	SO	07/13/2004	07/26/2004	07/27/2004	7440-38-2	Arsenic	4.9	J	mg/Kg	Dry	0.069	0.025	88.1	5	6020A	I	MD + FD Imprecision
RB-007	0407048-06	AQ	07/13/2004	07/22/2004	07/27/2004	7440-38-2	Arsenic	0.50	U	ug/L	N/A	0.50	0.064		5	6020A		
CS-031	0407048-01	SO	07/13/2004	07/26/2004	07/27/2004	7440-47-3	Chromium	1400		mg/Kg	Dry	0.18	0.11	80.8	10	6020A		
CS-032	0407048-02	SO	07/13/2004	07/26/2004	07/27/2004	7440-47-3	Chromium	67		mg/Kg	Dry	0.077	0.11	94.8	5	6020A		
CS-033	0407048-03	SO	07/13/2004	07/26/2004	07/27/2004	7440-47-3	Chromium	130		mg/Kg	Dry	0.091	0.11	89.0	5	6020A		
CS-034	0407048-05	SO	07/13/2004	07/26/2004	07/27/2004	7440-47-3	Chromium	190		mg/Kg	Dry	0.081	0.11	87.4	5	6020A		
CS-035	0407048-07	SO	07/19/2004	07/26/2004	07/27/2004	7440-47-3	Chromium	830		mg/Kg	Dry	0.095	0.11	81.1	5	6020A		
CS-036	0407048-08	SO	07/19/2004	07/26/2004	07/27/2004	7440-47-3	Chromium	1000		mg/Kg	Dry	0.18	0.11	83.0	10	6020A		
CS-037	0407048-09	SO	07/19/2004	07/26/2004	07/27/2004	7440-47-3	Chromium	440		mg/Kg	Dry	0.068	0.11	89.4	5	6020A		
CS-038	0407048-10	SO	07/19/2004	07/26/2004	07/27/2004	7440-47-3	Chromium	410		mg/Kg	Dry	0.076	0.11	87.5	5	6020A		
CSE-033	0407048-04	SO	07/13/2004	07/26/2004	07/27/2004	7440-47-3	Chromium	98		mg/Kg	Dry	0.069	0.11	88.1	5	6020A		
RB-007	0407048-06	AQ	07/13/2004	07/22/2004	07/27/2004	7440-47-3	Chromium	2.5	U	ug/L	N/A	2.5	0.089		5	6020A		
CS-031	0407048-01	SO	07/13/2004	07/26/2004	07/27/2004	7439-92-1	Lead	65		mg/Kg	Dry	0.018	0.044	80.8	5	6020A		
CS-032	0407048-02	SO	07/13/2004	07/26/2004	07/27/2004	7439-92-1	Lead	37		mg/Kg	Dry	0.015	0.044	94.8	5	6020A		
CS-033	0407048-03	SO	07/13/2004	07/26/2004	07/27/2004	7439-92-1	Lead	26		mg/Kg	Dry	0.018	0.044	89.0	5	6020A		
CS-034	0407048-05	SO	07/13/2004	07/26/2004	07/27/2004	7439-92-1	Lead	25		mg/Kg	Dry	0.016	0.044	87.4	5	6020A		
CS-035	0407048-07	SO	07/19/2004	07/26/2004	07/27/2004	7439-92-1	Lead	38		mg/Kg	Dry	0.019	0.044	81.1	5	6020A		
CS-036	0407048-08	SO	07/19/2004	07/26/2004	07/27/2004	7439-92-1	Lead	57		mg/Kg	Dry	0.018	0.044	83.0	5	6020A		
CS-037	0407048-09	SO	07/19/2004	07/26/2004	07/27/2004	7439-92-1	Lead	37		mg/Kg	Dry	0.014	0.044	89.4	5	6020A		
CS-038	0407048-10	SO	07/19/2004	07/26/2004	07/27/2004	7439-92-1	Lead	59		mg/Kg	Dry	0.015	0.044	87.5	5	6020A		
CSE-033	0407048-04	SO	07/13/2004	07/26/2004	07/27/2004	7439-92-1	Lead	24		mg/Kg	Dry	0.014	0.044	88.1	5	6020A		
RB-007	0407048-06	AQ	07/13/2004	07/22/2004	07/27/2004	7439-92-1	Lead	0.50	U	ug/L	N/A	0.50	0.056		5	6020A		
CS-031	0407048-01	SO	07/13/2004	07/23/2004	07/27/2004	7439-97-6	Mercury	1.4		mg/Kg	Dry	0.033	0.0080	80.8	5	7471A		
CS-032	0407048-02	SO	07/13/2004	07/23/2004	07/27/2004	7439-97-6	Mercury	0.22		mg/Kg	Dry	0.0057	0.0080	94.8	1	7471A		
CS-033	0407048-03	SO	07/13/2004	07/23/2004	07/27/2004	7439-97-6	Mercury	0.27		mg/Kg	Dry	0.0063	0.0080	89.0	1	7471A		
CS-034	0407048-05	SO	07/13/2004	07/23/2004	07/27/2004	7439-97-6	Mercury	0.26		mg/Kg	Dry	0.0064	0.0080	87.4	1	7471A		
CS-035	0407048-07	SO	07/19/2004	07/23/2004	07/27/2004	7439-97-6	Mercury	0.20		mg/Kg	Dry	0.0070	0.0080	81.1	1	7471A		
CS-036	0407048-08	SO	07/19/2004	07/23/2004	07/27/2004	7439-97-6	Mercury	0.32		mg/Kg	Dry	0.0066	0.0080	83.0	1	7471A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

Maxymilian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Confirmatory Soil Sidewall -- 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	MDL	Solids	DilFact	AnalMeth	Bias	DV_Comment
CS-037	0407048-09	SO	07/19/2004	07/23/2004	07/27/2004	7439-97-6	Mercury	0.21		mg/Kg	Dry	0.0057	0.0080	89.4	1	7471A		
CS-038	0407048-10	SO	07/19/2004	07/23/2004	07/27/2004	7439-97-6	Mercury	0.18		mg/Kg	Dry	0.0063	0.0080	87.5	1	7471A		
CSE-033	0407048-04	SO	07/13/2004	07/23/2004	07/27/2004	7439-97-6	Mercury	0.28		mg/Kg	Dry	0.0061	0.0080	88.1	1	7471A		
RB-007	0407048-06	AQ	07/13/2004	07/22/2004	07/22/2004	7439-97-6	Mercury	0.20	U	ug/L	N/A	0.20	0.004		1	7470A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

APPENDIX N

ON-SITE EXCAVATED SOIL FOR REUSE SOIL SAMPLE DATA TABLES

LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV Comment
Spectrum A	SC-001	SA10952-01RE1	1,1,1-Trichloroethane	71-55-6	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	1,1,2-Trichloroethane	79-00-5	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	1,1-Dichloroethane	75-34-3	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	1,1-Dichloroethene	75-35-4	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	1,2,4-Trichlorobenzene	120-82-1	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		19	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	1,2-Dichlorobenzene	95-50-1	13.4			9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	1,2-Dichloroethane	107-06-2	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	1,2-Dichloropropane	78-87-5	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	1,3-Dichlorobenzene	541-73-1	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	1,4-Dichlorobenzene	106-46-7	10.3			9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	2-Butanone (MEK)	78-93-3	BRL	U		94	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	2-Hexanone (MBK)	591-78-6	BRL	UJ	L	94	ug/kg	Dry	20	80.6	Low LCS recovery; Low Calibration verification
Spectrum A	SC-001	SA10952-01RE1	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	UJ	L	94	ug/kg	Dry	20	80.6	Low LCS recovery; Low Calibration verification
Spectrum A	SC-001	SA10952-01RE1	Acetone	67-64-1	BRL	U		190	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Benzene	71-43-2	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Bromodichloromethane	75-27-4	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Bromoform	75-25-2	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Bromomethane	74-83-9	BRL	U		19	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Carbon disulfide	75-15-0	BRL	U		47	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Carbon tetrachloride	56-23-5	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Chlorobenzene	108-90-7	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Chloroethane	75-00-3	BRL	U		19	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Chloroform	67-66-3	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Chloromethane	74-87-3	BRL	U		19	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	cis-1,2-Dichloroethene	156-59-2	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	cis-1,3-Dichloropropene	10061-01-5	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Cyclohexane	110-82-7	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Dibromochloromethane	124-48-1	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		19	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Ethylbenzene	100-41-4	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Isopropylbenzene	98-82-8	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	m,p-Xylene	108-38-3, 106-4	BRL	U		19	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Methyl acetate	79-20-9	196			94	ug/kg	Dry	20	80.6	RL raised
Spectrum A	SC-001	SA10952-01RE1	Methyl tert-butyl ether	1634-04-4	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Methylcyclohexane	108-87-2	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Methylene chloride	75-09-2	BRL	U		94	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	o-Xylene	95-47-6	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Styrene	100-42-5	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Tetrachloroethene	127-18-4	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Toluene	108-88-3	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	trans-1,2-Dichloroethene	156-60-5	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	trans-1,3-Dichloropropene	10061-02-6	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Trichloroethene	79-01-6	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-001	SA10952-01RE1	Vinyl chloride	75-01-4	BRL	U		9	ug/kg	Dry	20	80.6	
Spectrum A	SC-002	SA10952-03RE1	1,1,1-Trichloroethane	71-55-6	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	1,1,2-Trichloroethane	79-00-5	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	1,1-Dichloroethane	75-34-3	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	1,1-Dichloroethene	75-35-4	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	1,2,4-Trichlorobenzene	120-82-1	16.3			13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		26	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	1,2-Dichlorobenzene	95-50-1	193			13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	1,2-Dichloroethane	107-06-2	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	1,2-Dichloropropane	78-87-5	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	1,3-Dichlorobenzene	541-73-1	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	1,4-Dichlorobenzene	106-46-7	41.2			13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	2-Butanone (MEK)	78-93-3	BRL	U		130	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	2-Hexanone (MBK)	591-78-6	BRL	UJ	L	130	ug/kg	Dry	20	76.6	Low LCS recovery; Low Calibration verification
Spectrum A	SC-002	SA10952-03RE1	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	UJ	L	130	ug/kg	Dry	20	76.6	Low LCS recovery; Low Calibration verification
Spectrum A	SC-002	SA10952-03RE1	Acetone	67-64-1	BRL	U		260	ug/kg	Dry	20	76.6	

U = Non-detect at the reporting limit (RL). UJ = Non-detect is estimated. J = Result is estimated. R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum A	SC-002	SA10952-03RE1	Benzene	71-43-2	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Bromodichloromethane	75-27-4	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Bromoform	75-25-2	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Bromomethane	74-83-9	BRL	U		26	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Carbon disulfide	75-15-0	BRL	U		65	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Carbon tetrachloride	56-23-5	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Chlorobenzene	108-90-7	15.0			13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Chloroethane	75-00-3	BRL	U		26	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Chloroform	67-66-3	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Chloromethane	74-87-3	BRL	U		26	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	cis-1,2-Dichloroethene	156-59-2	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	cis-1,3-Dichloropropene	10061-01-5	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Cyclohexane	110-82-7	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Dibromochloromethane	124-48-1	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		26	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Ethylbenzene	100-41-4	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Isopropylbenzene	98-82-8	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	m,p-Xylene	108-38-3, 106-4	BRL	U		26	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Methyl acetate	79-20-9	248			130	ug/kg	Dry	20	76.6	RL raised
Spectrum A	SC-002	SA10952-03RE1	Methyl tert-butyl ether	1634-04-4	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Methylcyclohexane	108-87-2	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Methylene chloride	75-09-2	BRL	U		130	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	o-Xylene	95-47-6	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Styrene	100-42-5	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Tetrachloroethene	127-18-4	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Toluene	108-88-3	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	trans-1,2-Dichloroethene	156-60-5	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	trans-1,3-Dichloropropene	10061-02-6	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Trichloroethene	79-01-6	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-002	SA10952-03RE1	Vinyl chloride	75-01-4	BRL	U		13	ug/kg	Dry	20	76.6	
Spectrum A	SC-003	SA10952-05RE1	1,1,1-Trichloroethane	71-55-6	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	1,1,2-Trichloroethane	79-00-5	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	1,1-Dichloroethane	75-34-3	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	1,1-Dichloroethene	75-35-4	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	1,2,4-Trichlorobenzene	120-82-1	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		22	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	1,2-Dichlorobenzene	95-50-1	79.0			11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	1,2-Dichloroethane	107-06-2	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	1,2-Dichloropropane	78-87-5	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	1,3-Dichlorobenzene	541-73-1	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	1,4-Dichlorobenzene	106-46-7	26.2			11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	2-Butanone (MEK)	78-93-3	BRL	U		110	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	2-Hexanone (MBK)	591-78-6	BRL	UJ	L	110	ug/kg	Dry	20	88.9	Low LCS recovery; Low Calibration verification
Spectrum A	SC-003	SA10952-05RE1	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	UJ	L	110	ug/kg	Dry	20	88.9	Low LCS recovery; Low Calibration verification
Spectrum A	SC-003	SA10952-05RE1	Acetone	67-64-1	BRL	U		220	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	Benzene	71-43-2	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	Bromodichloromethane	75-27-4	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	Bromoform	75-25-2	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	Bromomethane	74-83-9	BRL	U		22	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	Carbon disulfide	75-15-0	BRL	U		56	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	Carbon tetrachloride	56-23-5	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	Chlorobenzene	108-90-7	16.0			11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	Chloroethane	75-00-3	BRL	U		22	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	Chloroform	67-66-3	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	Chloromethane	74-87-3	BRL	U		22	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	cis-1,2-Dichloroethene	156-59-2	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	cis-1,3-Dichloropropene	10061-01-5	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	Cyclohexane	110-82-7	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	Dibromochloromethane	124-48-1	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		22	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	Ethylbenzene	100-41-4	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	Isopropylbenzene	98-82-8	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum A	SC-003	SA10952-05RE1	m,p-Xylene	108-38-3, 106-4	BRL	U		22	ug/kg	Dry	20	88.9	

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum /	SC-003	SA10952-05RE1	Methyl acetate	79-20-9	111			110	ug/kg	Dry	20	88.9	RL raised
Spectrum /	SC-003	SA10952-05RE1	Methyl tert-butyl ether	1634-04-4	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum /	SC-003	SA10952-05RE1	Methylcyclohexane	108-87-2	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum /	SC-003	SA10952-05RE1	Methylene chloride	75-09-2	BRL	U		110	ug/kg	Dry	20	88.9	
Spectrum /	SC-003	SA10952-05RE1	o-Xylene	95-47-6	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum /	SC-003	SA10952-05RE1	Styrene	100-42-5	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum /	SC-003	SA10952-05RE1	Tetrachloroethene	127-18-4	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum /	SC-003	SA10952-05RE1	Toluene	108-88-3	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum /	SC-003	SA10952-05RE1	trans-1,2-Dichloroethene	156-60-5	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum /	SC-003	SA10952-05RE1	trans-1,3-Dichloropropene	10061-02-6	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum /	SC-003	SA10952-05RE1	Trichloroethene	79-01-6	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum /	SC-003	SA10952-05RE1	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum /	SC-003	SA10952-05RE1	Vinyl chloride	75-01-4	BRL	U		11	ug/kg	Dry	20	88.9	
Spectrum /	SC-004	SA10952-09RE1	1,1,1-Trichloroethane	71-55-6	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	1,1,2-Trichloroethane	79-00-5	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	1,1-Dichloroethane	75-34-3	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	1,1-Dichloroethene	75-35-4	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	1,2,4-Trichlorobenzene	120-82-1	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		21	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	1,2-Dichlorobenzene	95-50-1	21.1			10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	1,2-Dichloroethane	107-06-2	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	1,2-Dichloropropane	78-87-5	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	1,3-Dichlorobenzene	541-73-1	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	1,4-Dichlorobenzene	106-46-7	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	2-Butanone (MEK)	78-93-3	BRL	U		100	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	2-Hexanone (MBK)	591-78-6	BRL	UJ	L	100	ug/kg	Dry	20	81.7	Low LCS recovery; Low Calibration verification
Spectrum /	SC-004	SA10952-09RE1	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	UJ	L	100	ug/kg	Dry	20	81.7	Low LCS recovery; Low Calibration verification
Spectrum /	SC-004	SA10952-09RE1	Acetone	67-64-1	BRL	U		210	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Benzene	71-43-2	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Bromodichloromethane	75-27-4	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Bromoform	75-25-2	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Bromomethane	74-83-9	BRL	U		21	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Carbon disulfide	75-15-0	BRL	U		52	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Carbon tetrachloride	56-23-5	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Chlorobenzene	108-90-7	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Chloroethane	75-00-3	BRL	U		21	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Chloroform	67-66-3	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Chloromethane	74-87-3	BRL	U		21	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	cis-1,2-Dichloroethene	156-59-2	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	cis-1,3-Dichloropropene	10061-01-5	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Cyclohexane	110-82-7	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Dibromochloromethane	124-48-1	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		21	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Ethylbenzene	100-41-4	10.9			10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Isopropylbenzene	98-82-8	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	m,p-Xylene	108-38-3, 106-4	BRL	U		21	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Methyl acetate	79-20-9	184			100	ug/kg	Dry	20	81.7	RL raised
Spectrum /	SC-004	SA10952-09RE1	Methyl tert-butyl ether	1634-04-4	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Methylcyclohexane	108-87-2	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Methylene chloride	75-09-2	BRL	U		100	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	o-Xylene	95-47-6	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Styrene	100-42-5	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Tetrachloroethene	127-18-4	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Toluene	108-88-3	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	trans-1,2-Dichloroethene	156-60-5	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	trans-1,3-Dichloropropene	10061-02-6	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Trichloroethene	79-01-6	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-004	SA10952-09RE1	Vinyl chloride	75-01-4	BRL	U		10	ug/kg	Dry	20	81.7	
Spectrum /	SC-005	SA10952-11RE1	1,1,1-Trichloroethane	71-55-6	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum /	SC-005	SA10952-11RE1	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum /	SC-005	SA10952-11RE1	1,1,2-Trichloroethane	79-00-5	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum /	SC-005	SA10952-11RE1	1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum /	SC-005	SA10952-11RE1	1,1-Dichloroethane	75-34-3	BRL	U		11	ug/kg	Dry	20	83.8	

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum A	SC-005	SA10952-11RE1	1,1-Dichloroethene	75-35-4	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	1,2,4-Trichlorobenzene	120-82-1	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		21	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	1,2-Dichlorobenzene	95-50-1	88.9			11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	1,2-Dichloroethane	107-06-2	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	1,2-Dichloropropane	78-87-5	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	1,3-Dichlorobenzene	541-73-1	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	1,4-Dichlorobenzene	106-46-7	23.5			11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	2-Butanone (MEK)	78-93-3	BRL	U		110	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	2-Hexanone (MBK)	591-78-6	BRL	UJ	L	110	ug/kg	Dry	20	83.8	Low LCS recovery; Low Calibration verification
Spectrum A	SC-005	SA10952-11RE1	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	UJ	L	110	ug/kg	Dry	20	83.8	Low LCS recovery; Low Calibration verification
Spectrum A	SC-005	SA10952-11RE1	Acetone	67-64-1	BRL	U		210	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Benzene	71-43-2	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Bromodichloromethane	75-27-4	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Bromoform	75-25-2	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Bromomethane	74-83-9	BRL	U		21	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Carbon disulfide	75-15-0	BRL	U		53	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Carbon tetrachloride	56-23-5	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Chlorobenzene	108-90-7	16.7			11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Chloroethane	75-00-3	BRL	U		21	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Chloroform	67-66-3	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Chloromethane	74-87-3	BRL	U		21	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	cis-1,2-Dichloroethene	156-59-2	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	cis-1,3-Dichloropropene	10061-01-5	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Cyclohexane	110-82-7	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Dibromochloromethane	124-48-1	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		21	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Ethylbenzene	100-41-4	10.7			11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Isopropylbenzene	98-82-8	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	m,p-Xylene	108-38-3, 106-4	BRL	U		21	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Methyl acetate	79-20-9	132			110	ug/kg	Dry	20	83.8	RL raised
Spectrum A	SC-005	SA10952-11RE1	Methyl tert-butyl ether	1634-04-4	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Methylcyclohexane	108-87-2	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Methylene chloride	75-09-2	BRL	U		110	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	o-Xylene	95-47-6	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Styrene	100-42-5	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Tetrachloroethene	127-18-4	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Toluene	108-88-3	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	trans-1,2-Dichloroethene	156-60-5	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	trans-1,3-Dichloropropene	10061-02-6	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Trichloroethene	79-01-6	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-005	SA10952-11RE1	Vinyl chloride	75-01-4	BRL	U		11	ug/kg	Dry	20	83.8	
Spectrum A	SC-006	SA10952-13	1,1,1-Trichloroethane	71-55-6	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	1,1,2-Trichloroethane	79-00-5	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	1,1-Dichloroethane	75-34-3	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	1,1-Dichloroethene	75-35-4	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	1,2,4-Trichlorobenzene	120-82-1	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	1,2-Dichlorobenzene	95-50-1	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	1,2-Dichloroethane	107-06-2	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	1,2-Dichloropropane	78-87-5	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	1,3-Dichlorobenzene	541-73-1	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	1,4-Dichlorobenzene	106-46-7	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	2-Butanone (MEK)	78-93-3	BRL	U		400	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	2-Hexanone (MBK)	591-78-6	BRL	U		400	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		400	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Acetone	67-64-1	BRL	U		800	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Benzene	71-43-2	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Bromodichloromethane	75-27-4	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Bromoform	75-25-2	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Bromomethane	74-83-9	BRL	U		80	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Carbon disulfide	75-15-0	BRL	U		200	ug/kg	Dry	50	72.4	

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum A	SC-006	SA10952-13	Carbon tetrachloride	56-23-5	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Chlorobenzene	108-90-7	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Chloroethane	75-00-3	BRL	U		80	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Chloroform	67-66-3	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Chloromethane	74-87-3	BRL	U		80	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	cis-1,2-Dichloroethene	156-59-2	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	cis-1,3-Dichloropropene	10061-01-5	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Cyclohexane	110-82-7	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Dibromochloromethane	124-48-1	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Ethylbenzene	100-41-4	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Isopropylbenzene	98-82-8	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	m,p-Xylene	108-38-3, 106-4	BRL	U		80	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Methyl acetate	79-20-9	88.6	J	I	400	ug/kg	Dry	50	72.4	RL raised; Uncertain due to reporting below the calibration range; Low Calibration verification
Spectrum A	SC-006	SA10952-13	Methyl tert-butyl ether	1634-04-4	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Methylcyclohexane	108-87-2	BRL	UJ	L	40	ug/kg	Dry	50	72.4	Low LCS recovery; Low Calibration verification
Spectrum A	SC-006	SA10952-13	Methylene chloride	75-09-2	BRL	U		400	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	o-Xylene	95-47-6	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Styrene	100-42-5	BRL	U		80	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Tetrachloroethene	127-18-4	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Toluene	108-88-3	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	trans-1,2-Dichloroethene	156-60-5	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	trans-1,3-Dichloropropene	10061-02-6	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Trichloroethene	79-01-6	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SC-006	SA10952-13	Vinyl chloride	75-01-4	BRL	U		40	ug/kg	Dry	50	72.4	
Spectrum A	SCE-006	SA10952-15	1,1,1-Trichloroethane	71-55-6	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	1,1,2-Trichloroethane	79-00-5	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	1,1-Dichloroethane	75-34-3	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	1,1-Dichloroethene	75-35-4	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	1,2,4-Trichlorobenzene	120-82-1	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		65	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	1,2-Dichlorobenzene	95-50-1	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	1,2-Dichloroethane	107-06-2	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	1,2-Dichloropropane	78-87-5	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	1,3-Dichlorobenzene	541-73-1	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	1,4-Dichlorobenzene	106-46-7	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	2-Butanone (MEK)	78-93-3	BRL	U		320	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	2-Hexanone (MBK)	591-78-6	BRL	U		320	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		320	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Acetone	67-64-1	BRL	U		650	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Benzene	71-43-2	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Bromodichloromethane	75-27-4	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Bromoform	75-25-2	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Bromomethane	74-83-9	BRL	U		65	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Carbon disulfide	75-15-0	BRL	U		160	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Carbon tetrachloride	56-23-5	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Chlorobenzene	108-90-7	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Chloroethane	75-00-3	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Chloroform	67-66-3	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Chloromethane	74-87-3	BRL	U		65	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	cis-1,2-Dichloroethene	156-59-2	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	cis-1,3-Dichloropropene	10061-01-5	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Cyclohexane	110-82-7	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Dibromochloromethane	124-48-1	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Ethylbenzene	100-41-4	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Isopropylbenzene	98-82-8	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	m,p-Xylene	108-38-3, 106-4	BRL	U		65	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Methyl acetate	79-20-9	60.8	J	I	320	ug/kg	Dry	50	77.6	RL raised; Uncertain due to reporting below the calibration range; Low Calibration verification
Spectrum A	SCE-006	SA10952-15	Methyl tert-butyl ether	1634-04-4	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	Methylcyclohexane	108-87-2	BRL	UJ	L	32	ug/kg	Dry	50	77.6	Low LCS recovery; Low Calibration verification
Spectrum A	SCE-006	SA10952-15	Methylene chloride	75-09-2	BRL	U		320	ug/kg	Dry	50	77.6	
Spectrum A	SCE-006	SA10952-15	o-Xylene	95-47-6	BRL	U		32	ug/kg	Dry	50	77.6	

U = Non-detect at the reporting limit (RL). UJ = Non-detect is estimated. J = Result is estimated. R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum /	SCE-006	SA10952-15	Styrene	100-42-5	BRL	U		65	ug/kg	Dry	50	77.6	
Spectrum /	SCE-006	SA10952-15	Tetrachloroethene	127-18-4	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum /	SCE-006	SA10952-15	Toluene	108-88-3	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum /	SCE-006	SA10952-15	trans-1,2-Dichloroethene	156-60-5	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum /	SCE-006	SA10952-15	trans-1,3-Dichloropropene	10061-02-6	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum /	SCE-006	SA10952-15	Trichloroethene	79-01-6	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum /	SCE-006	SA10952-15	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum /	SCE-006	SA10952-15	Vinyl chloride	75-01-4	BRL	U		32	ug/kg	Dry	50	77.6	
Spectrum /	SC-007	SA10952-17RE1	1,1,1-Trichloroethane	71-55-6	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	1,1,2-Trichloroethane	79-00-5	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	1,1-Dichloroethane	75-34-3	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	1,1-Dichloroethene	75-35-4	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	1,2,4-Trichlorobenzene	120-82-1	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		29	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	1,2-Dichlorobenzene	95-50-1	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	1,2-Dichloroethane	107-06-2	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	1,2-Dichloropropane	78-87-5	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	1,3-Dichlorobenzene	541-73-1	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	1,4-Dichlorobenzene	106-46-7	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	2-Butanone (MEK)	78-93-3	BRL	U		140	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	2-Hexanone (MBK)	591-78-6	BRL	UJ	L	140	ug/kg	Dry	20	75.1	Low LCS recovery; Low Calibration verification
Spectrum /	SC-007	SA10952-17RE1	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	UJ	L	140	ug/kg	Dry	20	75.1	Low LCS recovery; Low Calibration verification
Spectrum /	SC-007	SA10952-17RE1	Acetone	67-64-1	BRL	U		290	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Benzene	71-43-2	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Bromodichloromethane	75-27-4	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Bromoform	75-25-2	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Bromomethane	74-83-9	BRL	U		29	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Carbon disulfide	75-15-0	BRL	U		72	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Carbon tetrachloride	56-23-5	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Chlorobenzene	108-90-7	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Chloroethane	75-00-3	BRL	U		29	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Chloroform	67-66-3	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Chloromethane	74-87-3	BRL	U		29	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	cis-1,2-Dichloroethene	156-59-2	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	cis-1,3-Dichloropropene	10061-01-5	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Cyclohexane	110-82-7	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Dibromochloromethane	124-48-1	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		29	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Ethylbenzene	100-41-4	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Isopropylbenzene	98-82-8	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	m,p-Xylene	108-38-3, 106-4	BRL	U		29	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Methyl acetate	79-20-9	167			140	ug/kg	Dry	20	75.1	RL raised
Spectrum /	SC-007	SA10952-17RE1	Methyl tert-butyl ether	1634-04-4	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Methylcyclohexane	108-87-2	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Methylene chloride	75-09-2	BRL	U		140	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	o-Xylene	95-47-6	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Styrene	100-42-5	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Tetrachloroethene	127-18-4	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Toluene	108-88-3	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	trans-1,2-Dichloroethene	156-60-5	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	trans-1,3-Dichloropropene	10061-02-6	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Trichloroethene	79-01-6	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-007	SA10952-17RE1	Vinyl chloride	75-01-4	BRL	U		14	ug/kg	Dry	20	75.1	
Spectrum /	SC-008	SA10952-19RE1	1,1,1-Trichloroethane	71-55-6	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum /	SC-008	SA10952-19RE1	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum /	SC-008	SA10952-19RE1	1,1,2-Trichloroethane	79-00-5	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum /	SC-008	SA10952-19RE1	1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum /	SC-008	SA10952-19RE1	1,1-Dichloroethane	75-34-3	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum /	SC-008	SA10952-19RE1	1,1-Dichloroethene	75-35-4	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum /	SC-008	SA10952-19RE1	1,2,4-Trichlorobenzene	120-82-1	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum /	SC-008	SA10952-19RE1	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		28	ug/kg	Dry	20	74.1	
Spectrum /	SC-008	SA10952-19RE1	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum /	SC-008	SA10952-19RE1	1,2-Dichlorobenzene	95-50-1	BRL	U		14	ug/kg	Dry	20	74.1	

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum A	SC-008	SA10952-19RE1	1,2-Dichloroethane	107-06-2	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	1,2-Dichloropropane	78-87-5	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	1,3-Dichlorobenzene	541-73-1	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	1,4-Dichlorobenzene	106-46-7	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	2-Butanone (MEK)	78-93-3	BRL	U		140	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	2-Hexanone (MBK)	591-78-6	BRL	UJ	L	140	ug/kg	Dry	20	74.1	Low LCS recovery; Low Calibration verification
Spectrum A	SC-008	SA10952-19RE1	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	UJ	L	140	ug/kg	Dry	20	74.1	Low LCS recovery; Low Calibration verification
Spectrum A	SC-008	SA10952-19RE1	Acetone	67-64-1	BRL	U		280	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Benzene	71-43-2	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Bromodichloromethane	75-27-4	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Bromoform	75-25-2	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Bromomethane	74-83-9	BRL	U		28	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Carbon disulfide	75-15-0	BRL	U		71	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Carbon tetrachloride	56-23-5	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Chlorobenzene	108-90-7	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Chloroethane	75-00-3	BRL	U		28	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Chloroform	67-66-3	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Chloromethane	74-87-3	BRL	U		28	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	cis-1,2-Dichloroethene	156-59-2	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	cis-1,3-Dichloropropene	10061-01-5	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Cyclohexane	110-82-7	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Dibromochloromethane	124-48-1	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		28	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Ethylbenzene	100-41-4	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Isopropylbenzene	98-82-8	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	m,p-Xylene	108-38-3, 106-4	BRL	U		28	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Methyl acetate	79-20-9	162			140	ug/kg	Dry	20	74.1	RL raised
Spectrum A	SC-008	SA10952-19RE1	Methyl tert-butyl ether	1634-04-4	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Methylcyclohexane	108-87-2	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Methylene chloride	75-09-2	BRL	U		140	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	o-Xylene	95-47-6	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Styrene	100-42-5	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Tetrachloroethene	127-18-4	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Toluene	108-88-3	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	trans-1,2-Dichloroethene	156-60-5	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	trans-1,3-Dichloropropene	10061-02-6	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Trichloroethene	79-01-6	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-008	SA10952-19RE1	Vinyl chloride	75-01-4	BRL	U		14	ug/kg	Dry	20	74.1	
Spectrum A	SC-009	SA10952-21RE1	1,1,1-Trichloroethane	71-55-6	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	1,1,2-Trichloroethane	79-00-5	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	1,1-Dichloroethane	75-34-3	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	1,1-Dichloroethene	75-35-4	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	1,2,4-Trichlorobenzene	120-82-1	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		21	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	1,2-Dichlorobenzene	95-50-1	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	1,2-Dichloroethane	107-06-2	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	1,2-Dichloropropane	78-87-5	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	1,3-Dichlorobenzene	541-73-1	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	1,4-Dichlorobenzene	106-46-7	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	2-Butanone (MEK)	78-93-3	BRL	U		110	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	2-Hexanone (MBK)	591-78-6	BRL	UJ	L	110	ug/kg	Dry	20	82.0	Low LCS recovery; Low Calibration verification
Spectrum A	SC-009	SA10952-21RE1	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	UJ	L	110	ug/kg	Dry	20	82.0	Low LCS recovery; Low Calibration verification
Spectrum A	SC-009	SA10952-21RE1	Acetone	67-64-1	BRL	U		210	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Benzene	71-43-2	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Bromodichloromethane	75-27-4	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Bromoform	75-25-2	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Bromomethane	74-83-9	BRL	U		21	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Carbon disulfide	75-15-0	BRL	U		53	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Carbon tetrachloride	56-23-5	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Chlorobenzene	108-90-7	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Chloroethane	75-00-3	BRL	U		21	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Chloroform	67-66-3	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Chloromethane	74-87-3	BRL	U		21	ug/kg	Dry	20	82.0	

U = Non-detect at the reporting limit (RL). UJ = Non-detect is estimated. J = Result is estimated. R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum A	SC-009	SA10952-21RE1	cis-1,2-Dichloroethene	156-59-2	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	cis-1,3-Dichloropropene	10061-01-5	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Cyclohexane	110-82-7	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Dibromochloromethane	124-48-1	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		21	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Ethylbenzene	100-41-4	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Isopropylbenzene	98-82-8	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	m,p-Xylene	108-38-3, 106-4	BRL	U		21	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Methyl acetate	79-20-9	177			110	ug/kg	Dry	20	82.0	RL raised
Spectrum A	SC-009	SA10952-21RE1	Methyl tert-butyl ether	1634-04-4	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Methylcyclohexane	108-87-2	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Methylene chloride	75-09-2	BRL	U		110	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	o-Xylene	95-47-6	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Styrene	100-42-5	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Tetrachloroethene	127-18-4	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Toluene	108-88-3	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	trans-1,2-Dichloroethene	156-60-5	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	trans-1,3-Dichloropropene	10061-02-6	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Trichloroethene	79-01-6	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-009	SA10952-21RE1	Vinyl chloride	75-01-4	BRL	U		11	ug/kg	Dry	20	82.0	
Spectrum A	SC-010	SA10952-23RE1	1,1,1-Trichloroethane	71-55-6	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	1,1,2-Trichloroethane	79-00-5	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	1,1-Dichloroethane	75-34-3	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	1,1-Dichloroethene	75-35-4	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	1,2,4-Trichlorobenzene	120-82-1	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		29	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	1,2-Dichlorobenzene	95-50-1	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	1,2-Dichloroethane	107-06-2	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	1,2-Dichloropropane	78-87-5	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	1,3-Dichlorobenzene	541-73-1	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	1,4-Dichlorobenzene	106-46-7	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	2-Butanone (MEK)	78-93-3	BRL	U		140	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	2-Hexanone (MBK)	591-78-6	BRL	UJ	L	140	ug/kg	Dry	20	81.9	Low LCS recovery; Low Calibration verification
Spectrum A	SC-010	SA10952-23RE1	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	UJ	L	140	ug/kg	Dry	20	81.9	Low LCS recovery; Low Calibration verification
Spectrum A	SC-010	SA10952-23RE1	Acetone	67-64-1	BRL	U		280	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Benzene	71-43-2	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Bromodichloromethane	75-27-4	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Bromoform	75-25-2	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Bromomethane	74-83-9	BRL	U		29	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Carbon disulfide	75-15-0	BRL	U		71	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Carbon tetrachloride	56-23-5	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Chlorobenzene	108-90-7	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Chloroethane	75-00-3	BRL	U		29	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Chloroform	67-66-3	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Chloromethane	74-87-3	BRL	U		29	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	cis-1,2-Dichloroethene	156-59-2	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	cis-1,3-Dichloropropene	10061-01-5	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Cyclohexane	110-82-7	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Dibromochloromethane	124-48-1	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		29	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Ethylbenzene	100-41-4	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Isopropylbenzene	98-82-8	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	m,p-Xylene	108-38-3, 106-4	BRL	U		29	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Methyl acetate	79-20-9	161			140	ug/kg	Dry	20	81.9	RL raised
Spectrum A	SC-010	SA10952-23RE1	Methyl tert-butyl ether	1634-04-4	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Methylcyclohexane	108-87-2	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Methylene chloride	75-09-2	BRL	U		140	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	o-Xylene	95-47-6	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Styrene	100-42-5	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Tetrachloroethene	127-18-4	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Toluene	108-88-3	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	trans-1,2-Dichloroethene	156-60-5	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	trans-1,3-Dichloropropene	10061-02-6	BRL	U		14	ug/kg	Dry	20	81.9	

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LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum A	SC-010	SA10952-23RE1	Trichloroethene	79-01-6	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	SC-010	SA10952-23RE1	Vinyl chloride	75-01-4	BRL	U		14	ug/kg	Dry	20	81.9	
Spectrum A	TB041404-05	SA10952-25	1,1,1-Trichloroethane	71-55-6	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	1,1,2-Trichloroethane	79-00-5	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	1,1-Dichloroethane	75-34-3	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	1,1-Dichloroethene	75-35-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	1,2,4-Trichlorobenzene	120-82-1	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		2	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	1,2-Dichlorobenzene	95-50-1	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	1,2-Dichloroethane	107-06-2	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	1,2-Dichloropropane	78-87-5	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	1,3-Dichlorobenzene	541-73-1	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	1,4-Dichlorobenzene	106-46-7	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	2-Butanone (MEK)	78-93-3	BRL	U		10	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	2-Hexanone (MBK)	591-78-6	BRL	U		10	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		10	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Acetone	67-64-1	BRL	U		20	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Benzene	71-43-2	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Bromodichloromethane	75-27-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Bromoform	75-25-2	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Bromomethane	74-83-9	BRL	U		2	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Carbon disulfide	75-15-0	BRL	U		5	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Carbon tetrachloride	56-23-5	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Chlorobenzene	108-90-7	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Chloroethane	75-00-3	BRL	U		2	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Chloroform	67-66-3	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Chloromethane	74-87-3	BRL	U		2	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	cis-1,2-Dichloroethene	156-59-2	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	cis-1,3-Dichloropropene	10061-01-5	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Cyclohexane	110-82-7	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Dibromochloromethane	124-48-1	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		2	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Ethylbenzene	100-41-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Isopropylbenzene	98-82-8	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	m,p-Xylene	106-36-3, 106-4	BRL	U		2	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Methyl acetate	79-20-9	BRL	U		10	ug/l	Wet	1		RL raised
Spectrum A	TB041404-05	SA10952-25	Methyl tert-butyl ether	1634-04-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Methylcyclohexane	108-87-2	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Methylene chloride	75-09-2	BRL	U		10	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	o-Xylene	95-47-6	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Styrene	100-42-5	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Tetrachloroethene	127-18-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Toluene	108-88-3	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	trans-1,2-Dichloroethene	156-60-5	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	trans-1,3-Dichloropropene	10061-02-6	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Trichloroethene	79-01-6	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-05	SA10952-25	Vinyl chloride	75-01-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	1,1,1-Trichloroethane	71-55-6	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	1,1,2,2-Tetrachloroethane	79-34-6	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	1,1,2-Trichloroethane	79-00-5	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	1,1-Dichloroethane	75-34-3	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	1,1-Dichloroethene	75-35-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	1,2,4-Trimethylbenzene	95-63-6	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		2	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	1,2-Dichlorobenzene	95-50-1	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	1,2-Dichloroethane	107-06-2	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	1,2-Dichloropropane	78-87-5	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	1,3-Dichlorobenzene	541-73-1	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	1,4-Dichlorobenzene	106-46-7	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	2-Butanone (MEK)	78-93-3	BRL	U		10	ug/l	Wet	1		

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum A	TB041404-06	SA10952-26	2-Hexanone (MBK)	591-78-6	BRL	U		10	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		10	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Acetone	67-64-1	BRL	U		20	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Benzene	71-43-2	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Bromodichloromethane	75-27-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Bromoform	75-25-2	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Bromomethane	74-83-9	BRL	U		2	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Carbon disulfide	75-15-0	BRL	U		5	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Carbon tetrachloride	56-23-5	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Chlorobenzene	108-90-7	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Chloroethane	75-00-3	BRL	U		2	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Chloroform	67-66-3	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Chloromethane	74-87-3	BRL	U		2	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	cis-1,2-Dichloroethene	156-59-2	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	cis-1,3-Dichloropropene	10061-01-5	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Cyclohexane	110-82-7	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Dibromochloromethane	124-48-1	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		2	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Ethylbenzene	100-41-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Isopropylbenzene	98-82-8	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	m,p-Xylene	108-38-3, 106-4	BRL	U		2	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Methyl acetate	79-20-9	BRL	U		10	ug/l	Wet	1		RL raised
Spectrum A	TB041404-06	SA10952-26	Methyl tert-butyl ether	1634-04-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Methylcyclohexane	108-87-2	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Methylene chloride	75-09-2	BRL	U		10	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	o-Xylene	95-47-6	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Styrene	100-42-5	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Tetrachloroethene	127-18-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Toluene	108-88-3	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	trans-1,2-Dichloroethene	156-60-5	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	trans-1,3-Dichloropropene	10061-02-6	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Trichloroethene	79-01-6	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	TB041404-06	SA10952-26	Vinyl chloride	75-01-4	BRL	U		1	ug/l	Wet	1		
Spectrum A	SC-001	SA10952-02	1,1'-Biphenyl	92-52-4	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	2,4,5-Trichlorophenol	95-95-4	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	2,4,6-Trichlorophenol	88-06-2	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	2,4-Dichlorophenol	120-83-2	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	2,4-Dimethylphenol	105-67-9	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	2,4-Dinitrophenol	51-28-5	BRL	U		610	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	2,4-Dinitrotoluene	121-14-2	BRL	U		610	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	2,6-Dinitrotoluene	606-20-2	BRL	U		610	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	2-Chloronaphthalene	91-58-7	BRL	U		610	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	2-Chlorophenol	95-57-8	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	2-Methylnaphthalene	91-57-6	33.0			30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	2-Methylphenol	95-48-7	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	2-Nitroaniline	88-74-4	BRL	U		610	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	2-Nitrophenol	88-75-5	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	3,3'-Dichlorobenzidine	91-94-1	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	3-Nitroaniline	99-09-2	BRL	U		610	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	4,6-Dinitro-2-methylphenol	534-52-1	BRL	U		610	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	4-Bromophenyl phenyl ether	101-55-3	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	4-Chloro-3-methylphenol	59-50-7	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	4-Chloroaniline	106-47-8	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	4-Chlorophenyl phenyl ether	7005-72-3	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	4-Methylphenol	106-44-5	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	4-Nitroaniline	100-01-6	BRL	U		610	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	4-Nitrophenol	100-02-7	BRL	U		610	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Acenaphthene	83-32-9	91.3			30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	Acenaphthylene	208-96-8	83.4			30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	Acetophenone	98-86-2	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Anthracene	120-12-7	368			30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	Atrazine	1912-24-9	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Benzaldehyde	100-52-7	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Benzo (a) anthracene	56-55-3	741			30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	Benzo (a) pyrene	50-32-8	607			30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	Benzo (b) fluoranthene	205-99-2	546			30	ug/kg	Dry	1	82.1	

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LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum A	SC-001	SA10952-02	Benzo (g,h,i) perylene	191-24-2	310			30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	Benzo (k) fluoranthene	207-08-9	564			30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	Bis(2-chloroethoxy)methane	111-91-1	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Bis(2-chloroethyl)ether	111-44-4	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Bis(2-chlorolsopropyl)ether	108-60-1	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Butyl benzyl phthalate	85-68-7	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Caprolactam	105-60-2	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Carbazole	86-74-8	72.8	J	I	150	ug/kg	Dry	1	82.1	RL raised; Uncertain due to quantitation below calibration range
Spectrum A	SC-001	SA10952-02	Chrysene	218-01-9	644			30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	Di-n-butyl phthalate	84-74-2	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Di-n-octyl phthalate	117-84-0	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Dibenzo (a,h) anthracene	53-70-3	35.5			30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	Dibenzofuran	132-64-9	52.4	J	I	150	ug/kg	Dry	1	82.1	RL raised; Uncertain due to quantitation below calibration range
Spectrum A	SC-001	SA10952-02	Diethyl phthalate	84-66-2	BRL	U		610	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Dimethyl phthalate	131-11-3	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Fluoranthene	206-44-0	1660			30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	Fluorene	86-73-7	122			30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	Hexachlorobenzene	118-74-1	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Hexachlorobutadiene	87-68-3	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Hexachlorocyclopentadiene	77-47-4	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Hexachloroethane	67-72-1	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Indeno (1,2,3-cd) pyrene	193-39-5	303			30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	Isophorone	78-59-1	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	N-Nitrosodi-n-propylamine	621-64-7	BRL	U		30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	N-Nitrosodiphenylamine	86-30-6	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Naphthalene	91-20-3	BRL	U		30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	Nitrobenzene	98-95-3	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Pentachlorophenol	87-86-5	BRL	U		610	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Phenanthrene	85-01-8	1040			30	ug/kg	Dry	1	82.1	
Spectrum A	SC-001	SA10952-02	Phenol	108-95-2	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum A	SC-001	SA10952-02	Pyrene	129-00-0	1230			30	ug/kg	Dry	1	82.1	
Spectrum A	SC-002	SA10952-04	1,1'-Biphenyl	92-52-4	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	2,4,5-Trichlorophenol	95-95-4	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	2,4,6-Trichlorophenol	88-06-2	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	2,4-Dichlorophenol	120-83-2	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	2,4-Dimethylphenol	105-67-9	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	2,4-Dinitrophenol	51-28-5	BRL	U		640	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	2,4-Dinitrotoluene	121-14-2	BRL	U		640	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	2,6-Dinitrotoluene	606-20-2	BRL	U		640	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	2-Chloronaphthalene	91-58-7	BRL	U		640	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	2-Chlorophenol	95-57-8	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	2-Methylnaphthalene	91-57-6	BRL	U		32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	2-Methylphenol	95-48-7	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	2-Nitroaniline	88-74-4	BRL	U		640	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	2-Nitrophenol	88-75-5	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	3,3'-Dichlorobenzidine	91-94-1	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	3-Nitroaniline	99-09-2	BRL	U		640	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	4,6-Dinitro-2-methylphenol	534-52-1	BRL	U		640	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	4-Bromophenyl phenyl ether	101-55-3	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	4-Chloro-3-methylphenol	59-50-7	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	4-Chloroaniline	106-47-8	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	4-Chlorophenyl phenyl ether	7005-72-3	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	4-Methylphenol	106-44-5	52.0	J	I	160	ug/kg	Dry	1	78.1	RL raised; Uncertain due to quantitation below calibration range
Spectrum A	SC-002	SA10952-04	4-Nitroaniline	100-01-6	BRL	U		640	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	4-Nitrophenol	100-02-7	BRL	U		640	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Acenaphthene	83-32-9	108			32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	Acenaphthylene	208-96-8	57.4			32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	Acetophenone	98-86-2	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Anthracene	120-12-7	264			32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	Atrazine	1912-24-9	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Benzaldehyde	100-52-7	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Benzo (a) anthracene	56-55-3	848			32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	Benzo (a) pyrene	50-32-8	552			32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	Benzo (b) fluoranthene	205-99-2	608			32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	Benzo (g,h,i) perylene	191-24-2	310			32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	Benzo (k) fluoranthene	207-08-9	469			32	ug/kg	Dry	1	78.1	

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LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum A	SC-002	SA10952-04	Bis(2-chloroethoxy)methane	111-91-1	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Bis(2-chloroethyl)ether	111-44-4	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Butyl benzyl phthalate	85-68-7	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Caprolactam	105-60-2	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Carbazole	86-74-8	141	J	I	160	ug/kg	Dry	1	78.1	RL raised; Uncertain due to quantitation below calibration range
Spectrum A	SC-002	SA10952-04	Chrysene	218-01-9	575			32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	Di-n-butyl phthalate	84-74-2	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Di-n-octyl phthalate	117-84-0	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Dibenzo (a,h) anthracene	53-70-3	BRL	U		32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	Dibenzofuran	132-64-9	65.4	J	I	160	ug/kg	Dry	1	78.1	RL raised; Uncertain due to quantitation below calibration range
Spectrum A	SC-002	SA10952-04	Diethyl phthalate	84-66-2	BRL	U		640	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Dimethyl phthalate	131-11-3	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Fluoranthene	206-44-0	1540			32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	Fluorene	86-73-7	115			32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	Hexachlorobenzene	118-74-1	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Hexachlorobutadiene	87-68-3	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Hexachlorocyclopentadiene	77-47-4	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Hexachloroethane	67-72-1	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Indeno (1,2,3-cd) pyrene	193-39-5	290			32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	Isophorone	78-59-1	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	N-Nitrosodi-n-propylamine	621-64-7	BRL	U		32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	N-Nitrosodiphenylamine	86-30-6	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Naphthalene	91-20-3	BRL	U		32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	Nitrobenzene	98-95-3	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Pentachlorophenol	87-86-5	BRL	U		640	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Phenanthrene	85-01-8	992			32	ug/kg	Dry	1	78.1	
Spectrum A	SC-002	SA10952-04	Phenol	108-95-2	BRL	U		160	ug/kg	Dry	1	78.1	RL raised
Spectrum A	SC-002	SA10952-04	Pyrene	129-00-0	1240			32	ug/kg	Dry	1	78.1	
Spectrum A	SC-003	SA10952-06	1,1'-Biphenyl	92-52-4	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	2,4,5-Trichlorophenol	95-95-4	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	2,4,6-Trichlorophenol	88-06-2	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	2,4-Dichlorophenol	120-83-2	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	2,4-Dimethylphenol	105-67-9	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	2,4-Dinitrophenol	51-28-5	BRL	U		620	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	2,4-Dinitrotoluene	121-14-2	BRL	U		620	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	2,6-Dinitrotoluene	606-20-2	BRL	U		620	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	2-Chloronaphthalene	91-58-7	BRL	U		620	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	2-Chlorophenol	95-57-8	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	2-Methylnaphthalene	91-57-6	BRL	U		31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	2-Methylphenol	95-48-7	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	2-Nitroaniline	88-74-4	BRL	U		620	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	2-Nitrophenol	88-75-5	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	3,3'-Dichlorobenzidine	91-94-1	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	3-Nitroaniline	99-09-2	BRL	U		620	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	4,6-Dinitro-2-methylphenol	534-52-1	BRL	U		620	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	4-Bromophenyl phenyl ether	101-55-3	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	4-Chloro-3-methylphenol	59-50-7	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	4-Chloroaniline	106-47-8	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	4-Chlorophenyl phenyl ether	7005-72-3	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	4-Methylphenol	106-44-5	89.7	J	I	160	ug/kg	Dry	1	80.3	RL raised; Uncertain due to quantitation below calibration range
Spectrum A	SC-003	SA10952-06	4-Nitroaniline	100-01-6	BRL	U		620	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	4-Nitrophenol	100-02-7	BRL	U		620	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Acenaphthene	83-32-9	74.7			31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	Acenaphthylene	208-96-8	46.2			31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	Acetophenone	98-86-2	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Anthracene	120-12-7	173			31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	Atrazine	1912-24-9	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Benzaldehyde	100-52-7	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Benzo (a) anthracene	56-55-3	398			31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	Benzo (a) pyrene	50-32-8	337			31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	Benzo (b) fluoranthene	205-99-2	349			31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	Benzo (g,h,i) perylene	191-24-2	188			31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	Benzo (k) fluoranthene	207-08-9	304			31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	Bis(2-chloroethoxy)methane	111-91-1	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Bis(2-chloroethyl)ether	111-44-4	BRL	U		160	ug/kg	Dry	1	80.3	RL raised

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum A	SC-003	SA10952-06	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Butyl benzyl phthalate	85-68-7	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Caprolactam	105-60-2	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Carbazole	86-74-8	98.3	J	I	160	ug/kg	Dry	1	80.3	RL raised; Uncertain due to quantitation below calibration range
Spectrum A	SC-003	SA10952-06	Chrysene	218-01-9	354			31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	Di-n-butyl phthalate	84-74-2	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Di-n-octyl phthalate	117-84-0	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Dibenzo (a,h) anthracene	53-70-3	BRL	U		31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	Dibenzofuran	132-64-9	48.6	J	I	160	ug/kg	Dry	1	80.3	RL raised; Uncertain due to quantitation below calibration range
Spectrum A	SC-003	SA10952-06	Diethyl phthalate	84-66-2	BRL	U		620	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Dimethyl phthalate	131-11-3	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Fluoranthene	206-44-0	910			31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	Fluorene	86-73-7	88.7			31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	Hexachlorobenzene	118-74-1	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Hexachlorobutadiene	87-68-3	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Hexachlorocyclopentadiene	77-47-4	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Hexachloroethane	67-72-1	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Indeno (1,2,3-cd) pyrene	193-39-5	183			31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	Isophorone	78-59-1	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	N-Nitrosodi-n-propylamine	621-64-7	BRL	U		31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	N-Nitrosodiphenylamine	86-30-6	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Naphthalene	91-20-3	BRL	U		31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	Nitrobenzene	98-95-3	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Pentachlorophenol	87-86-5	BRL	U		620	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Phenanthrene	85-01-8	617			31	ug/kg	Dry	1	80.3	
Spectrum A	SC-003	SA10952-06	Phenol	108-95-2	BRL	U		160	ug/kg	Dry	1	80.3	RL raised
Spectrum A	SC-003	SA10952-06	Pyrene	129-00-0	743			31	ug/kg	Dry	1	80.3	
Spectrum A	SC-004	SA10952-10	1,1'-Biphenyl	92-52-4	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	2,4,5-Trichlorophenol	95-95-4	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	2,4,6-Trichlorophenol	88-06-2	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	2,4-Dichlorophenol	120-83-2	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	2,4-Dimethylphenol	105-67-9	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	2,4-Dinitrophenol	51-28-5	BRL	U		600	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	2,4-Dinitrotoluene	121-14-2	BRL	U		600	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	2,6-Dinitrotoluene	606-20-2	BRL	U		600	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	2-Chloronaphthalene	91-58-7	BRL	U		600	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	2-Chlorophenol	95-57-8	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	2-Methylnaphthalene	91-57-6	BRL	U		30	ug/kg	Dry	1	82.3	
Spectrum A	SC-004	SA10952-10	2-Methylphenol	95-48-7	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	2-Nitroaniline	88-74-4	BRL	U		600	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	2-Nitrophenol	88-75-5	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	3,3'-Dichlorobenzidine	91-94-1	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	3-Nitroaniline	99-09-2	BRL	U		600	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	4,6-Dinitro-2-methylphenol	534-52-1	BRL	U		600	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	4-Bromophenyl phenyl ether	101-55-3	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	4-Chloro-3-methylphenol	59-50-7	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	4-Chloroaniline	106-47-8	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	4-Chlorophenyl phenyl ether	7005-72-3	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	4-Methylphenol	106-44-5	38.0	J	I	150	ug/kg	Dry	1	82.3	RL raised; Uncertain due to quantitation below calibration range
Spectrum A	SC-004	SA10952-10	4-Nitroaniline	100-01-6	BRL	U		600	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	4-Nitrophenol	100-02-7	BRL	U		600	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	Acenaphthene	83-32-9	57.8			30	ug/kg	Dry	1	82.3	
Spectrum A	SC-004	SA10952-10	Acenaphthylene	208-96-8	56.3			30	ug/kg	Dry	1	82.3	
Spectrum A	SC-004	SA10952-10	Acetophenone	98-86-2	BRL	U		160	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	Anthracene	120-12-7	125			30	ug/kg	Dry	1	82.3	
Spectrum A	SC-004	SA10952-10	Atrazine	1912-24-9	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	Benzaldehyde	100-52-7	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	Benzo (a) anthracene	56-55-3	318			30	ug/kg	Dry	1	82.3	
Spectrum A	SC-004	SA10952-10	Benzo (a) pyrene	50-32-8	287			30	ug/kg	Dry	1	82.3	
Spectrum A	SC-004	SA10952-10	Benzo (b) fluoranthene	205-99-2	250			30	ug/kg	Dry	1	82.3	
Spectrum A	SC-004	SA10952-10	Benzo (g,h,i) perylene	191-24-2	164			30	ug/kg	Dry	1	82.3	
Spectrum A	SC-004	SA10952-10	Benzo (k) fluoranthene	207-08-9	230			30	ug/kg	Dry	1	82.3	
Spectrum A	SC-004	SA10952-10	Bis(2-chloroethoxy)methane	111-91-1	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	Bis(2-chloroethyl)ether	111-44-4	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum A	SC-004	SA10952-10	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		150	ug/kg	Dry	1	82.3	RL raised

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum /	SC-004	SA10952-10	Butyl benzyl phthalate	85-68-7	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum /	SC-004	SA10952-10	Caprolactam	105-60-2	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum /	SC-004	SA10952-10	Carbazole	86-74-8	61.7	J	I	150	ug/kg	Dry	1	82.3	RL raised; Uncertain due to quantitation below calibration range
Spectrum /	SC-004	SA10952-10	Chrysene	218-01-9	293			30	ug/kg	Dry	1	82.3	
Spectrum /	SC-004	SA10952-10	Di-n-butyl phthalate	84-74-2	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum /	SC-004	SA10952-10	Di-n-octyl phthalate	117-84-0	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum /	SC-004	SA10952-10	Dibenzo (a,h) anthracene	53-70-3	BRL	U		30	ug/kg	Dry	1	82.3	
Spectrum /	SC-004	SA10952-10	Dibenzofuran	132-64-9	32.0	J	I	150	ug/kg	Dry	1	82.3	RL raised; Uncertain due to quantitation below calibration range
Spectrum /	SC-004	SA10952-10	Diethyl phthalate	84-66-2	BRL	U		600	ug/kg	Dry	1	82.3	RL raised
Spectrum /	SC-004	SA10952-10	Dimethyl phthalate	131-11-3	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum /	SC-004	SA10952-10	Fluoranthene	206-44-0	711			30	ug/kg	Dry	1	82.3	
Spectrum /	SC-004	SA10952-10	Fluorene	86-73-7	65.6			30	ug/kg	Dry	1	82.3	
Spectrum /	SC-004	SA10952-10	Hexachlorobenzene	118-74-1	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum /	SC-004	SA10952-10	Hexachlorobutadiene	87-68-3	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum /	SC-004	SA10952-10	Hexachlorocyclopentadiene	77-47-4	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum /	SC-004	SA10952-10	Hexachloroethane	67-72-1	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum /	SC-004	SA10952-10	Indeno (1,2,3-cd) pyrene	193-39-5	181			30	ug/kg	Dry	1	82.3	
Spectrum /	SC-004	SA10952-10	Isophorone	78-59-1	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum /	SC-004	SA10952-10	N-Nitrosodi-n-propylamine	621-64-7	BRL	U		30	ug/kg	Dry	1	82.3	
Spectrum /	SC-004	SA10952-10	N-Nitrosodiphenylamine	86-30-6	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum /	SC-004	SA10952-10	Naphthalene	91-20-3	BRL	U		30	ug/kg	Dry	1	82.3	
Spectrum /	SC-004	SA10952-10	Nitrobenzene	98-95-3	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum /	SC-004	SA10952-10	Pentachlorophenol	87-86-5	BRL	U		600	ug/kg	Dry	1	82.3	RL raised
Spectrum /	SC-004	SA10952-10	Phenanthrene	85-01-8	414			30	ug/kg	Dry	1	82.3	
Spectrum /	SC-004	SA10952-10	Phenol	108-95-2	BRL	U		150	ug/kg	Dry	1	82.3	RL raised
Spectrum /	SC-004	SA10952-10	Pyrene	129-00-0	601			30	ug/kg	Dry	1	82.3	
Spectrum /	SC-005	SA10952-12	1,1'-Biphenyl	92-52-4	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	2,4,5-Trichlorophenol	95-95-4	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	2,4,6-Trichlorophenol	88-06-2	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	2,4-Dichlorophenol	120-83-2	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	2,4-Dimethylphenol	105-67-9	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	2,4-Dinitrophenol	51-28-5	BRL	U		600	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	2,4-Dinitrotoluene	121-14-2	BRL	U		600	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	2,6-Dinitrotoluene	606-20-2	BRL	U		600	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	2-Chloronaphthalene	91-58-7	BRL	U		600	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	2-Chlorophenol	95-57-8	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	2-Methylnaphthalene	91-57-6	BRL	U		30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	2-Methylphenol	95-48-7	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	2-Nitroaniline	88-74-4	BRL	U		600	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	2-Nitrophenol	88-75-5	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	3,3'-Dichlorobenzidine	91-94-1	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	3-Nitroaniline	99-09-2	BRL	U		600	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	4,6-Dinitro-2-methylphenol	534-52-1	BRL	U		600	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	4-Bromophenyl phenyl ether	101-55-3	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	4-Chloro-3-methylphenol	59-50-7	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	4-Chloroaniline	106-47-8	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	4-Chlorophenyl phenyl ether	7005-72-3	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	4-Methylphenol	106-44-5	30.6	J	I	150	ug/kg	Dry	1	82.1	RL raised; Uncertain due to quantitation below calibration range
Spectrum /	SC-005	SA10952-12	4-Nitroaniline	100-01-6	BRL	U		600	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	4-Nitrophenol	100-02-7	BRL	U		600	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Acenaphthene	83-32-9	BRL	U		30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	Acenaphthylene	208-96-8	43.2			30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	Acetophenone	98-86-2	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Anthracene	120-12-7	70.5			30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	Atrazine	1912-24-9	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Benzaldehyde	100-52-7	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Benzo (a) anthracene	56-55-3	187			30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	Benzo (a) pyrene	50-32-8	166			30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	Benzo (b) fluoranthene	205-99-2	142			30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	Benzo (g,h,i) perylene	191-24-2	91.3			30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	Benzo (k) fluoranthene	207-08-9	155			30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	Bis(2-chloroethoxy)methane	111-91-1	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Bis(2-chloroethyl)ether	111-44-4	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Butyl benzyl phthalate	85-68-7	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Caprolactam	105-60-2	BRL	U		150	ug/kg	Dry	1	82.1	RL raised

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum /	SC-005	SA10952-12	Carbazole	86-74-8	33.0	J	I	150	ug/kg	Dry	1	82.1	RL raised; Uncertain due to quantitation below calibration range
Spectrum /	SC-005	SA10952-12	Chrysene	218-01-9	174			30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	Di-n-butyl phthalate	84-74-2	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Di-n-octyl phthalate	117-84-0	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Dibenzo (a,h) anthracene	53-70-3	BRL	U		30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	Dibenzofuran	132-64-9	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Diethyl phthalate	84-66-2	BRL	U		600	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Dimethyl phthalate	131-11-3	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Fluoranthene	206-44-0	402			30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	Fluorene	86-73-7	32.1			30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	Hexachlorobenzene	118-74-1	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Hexachlorobutadiene	87-68-3	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Hexachlorocyclopentadiene	77-47-4	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Hexachloroethane	67-72-1	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Indeno (1,2,3-cd) pyrene	193-39-5	91.3			30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	Isophorone	78-59-1	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	N-Nitrosodi-n-propylamine	621-64-7	BRL	U		30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	N-Nitrosodiphenylamine	86-30-6	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Naphthalene	91-20-3	BRL	U		30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	Nitrobenzene	98-95-3	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Pentachlorophenol	87-86-5	BRL	U		600	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Phenanthrene	85-01-8	222			30	ug/kg	Dry	1	82.1	
Spectrum /	SC-005	SA10952-12	Phenol	108-95-2	BRL	U		150	ug/kg	Dry	1	82.1	RL raised
Spectrum /	SC-005	SA10952-12	Pyrene	129-00-0	345			30	ug/kg	Dry	1	82.1	
Spectrum /	SC-006	SA10952-14	1,1'-Biphenyl	92-52-4	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	2,4,5-Trichlorophenol	95-95-4	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	2,4,6-Trichlorophenol	88-06-2	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	2,4-Dichlorophenol	120-83-2	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	2,4-Dimethylphenol	105-67-9	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	2,4-Dinitrophenol	51-28-5	BRL	U		640	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	2,4-Dinitrotoluene	121-14-2	BRL	U		640	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	2,6-Dinitrotoluene	606-20-2	BRL	U		640	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	2-Chloronaphthalene	91-58-7	BRL	U		640	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	2-Chlorophenol	95-57-8	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	2-Methylnaphthalene	91-57-6	39.2			32	ug/kg	Dry	1	77.6	
Spectrum /	SC-006	SA10952-14	2-Methylphenol	95-48-7	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	2-Nitroaniline	88-74-4	BRL	U		640	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	2-Nitrophenol	88-75-5	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	3,3'-Dichlorobenzidine	91-94-1	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	3-Nitroaniline	99-09-2	BRL	U		640	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	4,6-Dinitro-2-methylphenol	534-52-1	BRL	U		640	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	4-Bromophenyl phenyl ether	101-55-3	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	4-Chloro-3-methylphenol	59-50-7	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	4-Chloroaniline	106-47-8	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	4-Chlorophenyl phenyl ether	7005-72-3	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	4-Methylphenol	106-44-5	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	4-Nitroaniline	100-01-6	BRL	U		640	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	4-Nitrophenol	100-02-7	BRL	U		640	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	Acenaphthene	83-32-9	57.1			32	ug/kg	Dry	1	77.6	
Spectrum /	SC-006	SA10952-14	Acenaphthylene	208-96-8	67.0			32	ug/kg	Dry	1	77.6	
Spectrum /	SC-006	SA10952-14	Acetophenone	98-86-2	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	Anthracene	120-12-7	160			32	ug/kg	Dry	1	77.6	
Spectrum /	SC-006	SA10952-14	Atrazine	1912-24-9	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	Benzaldehyde	100-52-7	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	Benzo (a) anthracene	56-55-3	347			32	ug/kg	Dry	1	77.6	
Spectrum /	SC-006	SA10952-14	Benzo (a) pyrene	50-32-8	291			32	ug/kg	Dry	1	77.6	
Spectrum /	SC-006	SA10952-14	Benzo (b) fluoranthene	205-99-2	264			32	ug/kg	Dry	1	77.6	
Spectrum /	SC-006	SA10952-14	Benzo (g,h,i) perylene	191-24-2	145			32	ug/kg	Dry	1	77.6	
Spectrum /	SC-006	SA10952-14	Benzo (k) fluoranthene	207-08-9	240			32	ug/kg	Dry	1	77.6	
Spectrum /	SC-006	SA10952-14	Bis(2-chloroethoxy)methane	111-91-1	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	Bis(2-chloroethyl)ether	111-44-4	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	Butyl benzyl phthalate	85-68-7	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	Caprolactam	105-60-2	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum /	SC-006	SA10952-14	Carbazole	86-74-8	57.4	J	I	160	ug/kg	Dry	1	77.6	RL raised; Uncertain due to quantitation below calibration range
Spectrum /	SC-006	SA10952-14	Chrysene	218-01-9	324			32	ug/kg	Dry	1	77.6	

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LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum A	SC-006	SA10952-14	Di-n-butyl phthalate	84-74-2	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum A	SC-006	SA10952-14	Di-n-octyl phthalate	117-84-0	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum A	SC-006	SA10952-14	Dibenzo (a,h) anthracene	53-70-3	BRL	U		32	ug/kg	Dry	1	77.6	
Spectrum A	SC-006	SA10952-14	Dibenzofuran	132-64-9	45.9	J	I	160	ug/kg	Dry	1	77.6	RL raised; Uncertain due to quantitation below calibration range
Spectrum A	SC-006	SA10952-14	Diethyl phthalate	84-66-2	BRL	U		640	ug/kg	Dry	1	77.6	RL raised
Spectrum A	SC-006	SA10952-14	Dimethyl phthalate	131-11-3	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum A	SC-006	SA10952-14	Fluoranthene	206-44-0	687			32	ug/kg	Dry	1	77.6	
Spectrum A	SC-006	SA10952-14	Fluorene	86-73-7	76.6			32	ug/kg	Dry	1	77.6	
Spectrum A	SC-006	SA10952-14	Hexachlorobenzene	118-74-1	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum A	SC-006	SA10952-14	Hexachlorobutadiene	87-68-3	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum A	SC-006	SA10952-14	Hexachlorocyclopentadiene	77-47-4	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum A	SC-006	SA10952-14	Hexachloroethane	67-72-1	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum A	SC-006	SA10952-14	Indeno (1,2,3-cd) pyrene	193-39-5	139			32	ug/kg	Dry	1	77.6	
Spectrum A	SC-006	SA10952-14	Isophorone	78-59-1	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum A	SC-006	SA10952-14	N-Nitrosodi-n-propylamine	621-64-7	BRL	U		32	ug/kg	Dry	1	77.6	
Spectrum A	SC-006	SA10952-14	N-Nitrosodiphenylamine	86-30-6	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum A	SC-006	SA10952-14	Naphthalene	91-20-3	BRL	U		32	ug/kg	Dry	1	77.6	
Spectrum A	SC-006	SA10952-14	Nitrobenzene	98-95-3	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum A	SC-006	SA10952-14	Pentachlorophenol	87-86-5	BRL	U		640	ug/kg	Dry	1	77.6	RL raised
Spectrum A	SC-006	SA10952-14	Phenanthrene	85-01-8	549			32	ug/kg	Dry	1	77.6	
Spectrum A	SC-006	SA10952-14	Phenol	108-95-2	BRL	U		160	ug/kg	Dry	1	77.6	RL raised
Spectrum A	SC-006	SA10952-14	Pyrene	129-00-0	676			32	ug/kg	Dry	1	77.6	
Spectrum A	SCE-006	SA10952-16	1,1'-Biphenyl	92-52-4	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	2,4,5-Trichlorophenol	95-95-4	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	2,4,6-Trichlorophenol	88-06-2	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	2,4-Dichlorophenol	120-83-2	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	2,4-Dimethylphenol	105-67-9	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	2,4-Dinitrophenol	51-28-5	BRL	U		620	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	2,4-Dinitrotoluene	121-14-2	BRL	U		620	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	2,6-Dinitrotoluene	606-20-2	BRL	U		620	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	2-Chloronaphthalene	91-58-7	BRL	U		620	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	2-Chlorophenol	95-57-8	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	2-Methylnaphthalene	91-57-6	BRL	U		32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	2-Methylphenol	95-48-7	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	2-Nitroaniline	88-74-4	BRL	U		620	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	2-Nitrophenol	88-75-5	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	3,3'-Dichlorobenzidine	91-94-1	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	3-Nitroaniline	99-09-2	BRL	U		620	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	4,6-Dinitro-2-methylphenol	534-52-1	BRL	U		620	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	4-Bromophenyl phenyl ether	101-55-3	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	4-Chloro-3-methylphenol	59-50-7	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	4-Chloroaniline	106-47-8	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	4-Chlorophenyl phenyl ether	7005-72-3	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	4-Methylphenol	106-44-5	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	4-Nitroaniline	100-01-6	BRL	U		620	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	4-Nitrophenol	100-02-7	BRL	U		620	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Acenaphthene	83-32-9	BRL	U		32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	Acenaphthylene	208-96-8	36.7			32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	Acetophenone	98-86-2	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Anthracene	120-12-7	40.0			32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	Atrazine	1912-24-9	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Benzaldehyde	100-52-7	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Benzo (a) anthracene	56-55-3	131			32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	Benzo (a) pyrene	50-32-8	123			32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	Benzo (b) fluoranthene	205-99-2	99.8			32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	Benzo (g,h,i) perylene	191-24-2	65.1			32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	Benzo (k) fluoranthene	207-08-9	112			32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	Bis(2-chloroethoxy)methane	111-91-1	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Bis(2-chloroethyl)ether	111-44-4	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Butyl benzyl phthalate	85-68-7	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Caprolactam	105-60-2	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Carbazole	86-74-8	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Chrysene	218-01-9	141			32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	Di-n-butyl phthalate	84-74-2	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Di-n-octyl phthalate	117-84-0	BRL	U		150	ug/kg	Dry	1	77.0	RL raised

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LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum A	SCE-006	SA10952-16	Dibenzo (a,h) anthracene	53-70-3	BRL	U		32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	Dibenzofuran	132-64-9	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Diethyl phthalate	84-66-2	BRL	U		620	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Dimethyl phthalate	131-11-3	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Fluoranthene	206-44-0	214			32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	Fluorene	86-73-7	BRL	U		32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	Hexachlorobenzene	118-74-1	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Hexachlorobutadiene	87-68-3	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Hexachlorocyclopentadiene	77-47-4	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Hexachloroethane	67-72-1	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Indeno (1,2,3-cd) pyrene	193-39-5	71.9			32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	Isophorone	78-59-1	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	N-Nitrosodi-n-propylamine	621-64-7	BRL	U		32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	N-Nitrosodiphenylamine	86-30-6	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Naphthalene	91-20-3	BRL	U		32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	Nitrobenzene	98-95-3	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Pentachlorophenol	87-86-5	BRL	U		620	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Phenanthrene	85-01-8	123			32	ug/kg	Dry	1	77.0	
Spectrum A	SCE-006	SA10952-16	Phenol	108-95-2	BRL	U		150	ug/kg	Dry	1	77.0	RL raised
Spectrum A	SCE-006	SA10952-16	Pyrene	129-00-0	207			32	ug/kg	Dry	1	77.0	
Spectrum A	SC-007	SA10952-18	1,1'-Biphenyl	92-52-4	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	2,4,5-Trichlorophenol	95-95-4	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	2,4,6-Trichlorophenol	88-06-2	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	2,4-Dichlorophenol	120-83-2	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	2,4-Dimethylphenol	105-67-9	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	2,4-Dinitrophenol	51-28-5	BRL	U		640	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	2,4-Dinitrotoluene	121-14-2	BRL	U		640	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	2,6-Dinitrotoluene	606-20-2	BRL	U		640	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	2-Chloronaphthalene	91-58-7	BRL	U		640	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	2-Chlorophenol	95-57-8	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	2-Methylnaphthalene	91-57-6	BRL	U		31	ug/kg	Dry	1	80.1	
Spectrum A	SC-007	SA10952-18	2-Methylphenol	95-48-7	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	2-Nitroaniline	88-74-4	BRL	U		640	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	2-Nitrophenol	88-75-5	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	3,3'-Dichlorobenzidine	91-94-1	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	3-Nitroaniline	99-09-2	BRL	U		640	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	4,6-Dinitro-2-methylphenol	534-52-1	BRL	U		640	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	4-Bromophenyl phenyl ether	101-55-3	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	4-Chloro-3-methylphenol	59-50-7	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	4-Chloroaniline	106-47-8	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	4-Chlorophenyl phenyl ether	7005-72-3	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	4-Methylphenol	106-44-5	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	4-Nitroaniline	100-01-6	BRL	U		640	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	4-Nitrophenol	100-02-7	BRL	U		640	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Acenaphthene	83-32-9	BRL	U		31	ug/kg	Dry	1	80.1	
Spectrum A	SC-007	SA10952-18	Acenaphthylene	208-96-8	36.3			31	ug/kg	Dry	1	80.1	
Spectrum A	SC-007	SA10952-18	Acetophenone	98-86-2	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Anthracene	120-12-7	32.0	J	H	31	ug/kg	Dry	1	80.1	High IS recovery
Spectrum A	SC-007	SA10952-18	Atrazine	1912-24-9	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Benzaldehyde	100-52-7	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Benzo (a) anthracene	56-55-3	98.4			31	ug/kg	Dry	1	80.1	
Spectrum A	SC-007	SA10952-18	Benzo (a) pyrene	50-32-8	85.6			31	ug/kg	Dry	1	80.1	
Spectrum A	SC-007	SA10952-18	Benzo (b) fluoranthene	205-99-2	86.2			31	ug/kg	Dry	1	80.1	
Spectrum A	SC-007	SA10952-18	Benzo (g,h,i) perylene	191-24-2	43.4			31	ug/kg	Dry	1	80.1	
Spectrum A	SC-007	SA10952-18	Benzo (k) fluoranthene	207-08-9	68.7			31	ug/kg	Dry	1	80.1	
Spectrum A	SC-007	SA10952-18	Bis(2-chloroethoxy)methane	111-91-1	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Bis(2-chloroethyl)ether	111-44-4	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Butyl benzyl phthalate	85-68-7	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Caprolactam	105-60-2	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Carbazole	86-74-8	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Chrysene	218-01-9	91.2			31	ug/kg	Dry	1	80.1	
Spectrum A	SC-007	SA10952-18	Di-n-butyl phthalate	84-74-2	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Di-n-octyl phthalate	117-84-0	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Dibenzo (a,h) anthracene	53-70-3	BRL	U		31	ug/kg	Dry	1	80.1	
Spectrum A	SC-007	SA10952-18	Dibenzofuran	132-64-9	BRL	U		160	ug/kg	Dry	1	80.1	RL raised

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LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV Comment
Spectrum A	SC-007	SA10952-18	Diethyl phthalate	84-66-2	BRL	U		640	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Dimethyl phthalate	131-11-3	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Fluoranthene	206-44-0	156	J	H	31	ug/kg	Dry	1	80.1	High IS Recovery
Spectrum A	SC-007	SA10952-18	Fluorene	86-73-7	BRL	U		31	ug/kg	Dry	1	80.1	
Spectrum A	SC-007	SA10952-18	Hexachlorobenzene	118-74-1	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Hexachlorobutadiene	87-68-3	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Hexachlorocyclopentadiene	77-47-4	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Hexachloroethane	67-72-1	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Indeno (1,2,3-cd) pyrene	193-39-5	43.1			31	ug/kg	Dry	1	80.1	
Spectrum A	SC-007	SA10952-18	Isophorone	78-59-1	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	N-Nitrosodi-n-propylamine	621-64-7	BRL	U		31	ug/kg	Dry	1	80.1	
Spectrum A	SC-007	SA10952-18	N-Nitrosodiphenylamine	86-30-6	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Naphthalene	91-20-3	BRL	U		31	ug/kg	Dry	1	80.1	
Spectrum A	SC-007	SA10952-18	Nitrobenzene	98-95-3	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Pentachlorophenol	87-86-5	BRL	U		640	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Phenanthrene	85-01-8	75.5	J	H	31	ug/kg	Dry	1	80.1	High IS Recovery
Spectrum A	SC-007	SA10952-18	Phenol	108-95-2	BRL	U		160	ug/kg	Dry	1	80.1	RL raised
Spectrum A	SC-007	SA10952-18	Pyrene	129-00-0	167			31	ug/kg	Dry	1	80.1	
Spectrum A	SC-008	SA10952-20	1,1'-Biphenyl	92-52-4	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	2,4,5-Trichlorophenol	95-95-4	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	2,4,6-Trichlorophenol	88-06-2	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	2,4-Dichlorophenol	120-83-2	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	2,4-Dimethylphenol	105-67-9	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	2,4-Dinitrophenol	51-28-5	BRL	U		620	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	2,4-Dinitrotoluene	121-14-2	BRL	U		620	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	2,6-Dinitrotoluene	606-20-2	BRL	U		620	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	2-Chloronaphthalene	91-58-7	BRL	U		620	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	2-Chlorophenol	95-57-8	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	2-Methylnaphthalene	91-57-6	BRL	U		32	ug/kg	Dry	1	78.6	
Spectrum A	SC-008	SA10952-20	2-Methylphenol	95-48-7	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	2-Nitroaniline	88-74-4	BRL	U		620	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	2-Nitrophenol	88-75-5	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	3,3'-Dichlorobenzidine	91-94-1	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	3-Nitroaniline	99-09-2	BRL	U		620	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	4,6-Dinitro-2-methylphenol	534-52-1	BRL	U		620	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	4-Bromophenyl phenyl ether	101-55-3	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	4-Chloro-3-methylphenol	59-50-7	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	4-Chloroaniline	106-47-8	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	4-Chlorophenyl phenyl ether	7005-72-3	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	4-Methylphenol	106-44-5	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	4-Nitroaniline	100-01-6	BRL	U		620	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	4-Nitrophenol	100-02-7	BRL	U		620	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	Acenaphthene	83-32-9	BRL	U		32	ug/kg	Dry	1	78.6	
Spectrum A	SC-008	SA10952-20	Acenaphthylene	208-96-8	50.3			32	ug/kg	Dry	1	78.6	
Spectrum A	SC-008	SA10952-20	Acetophenone	98-86-2	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	Anthracene	120-12-7	51.6	J	H	32	ug/kg	Dry	1	78.6	High IS Recovery
Spectrum A	SC-008	SA10952-20	Atrazine	1912-24-9	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	Benzaldehyde	100-52-7	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	Benzo (a) anthracene	56-55-3	228			32	ug/kg	Dry	1	78.6	
Spectrum A	SC-008	SA10952-20	Benzo (a) pyrene	50-32-8	275			32	ug/kg	Dry	1	78.6	
Spectrum A	SC-008	SA10952-20	Benzo (b) fluoranthene	205-99-2	259			32	ug/kg	Dry	1	78.6	
Spectrum A	SC-008	SA10952-20	Benzo (g,h,i) perylene	191-24-2	145			32	ug/kg	Dry	1	78.6	
Spectrum A	SC-008	SA10952-20	Benzo (k) fluoranthene	207-08-9	282			32	ug/kg	Dry	1	78.6	
Spectrum A	SC-008	SA10952-20	Bis(2-chloroethoxy)methane	111-91-1	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	Bis(2-chloroethyl)ether	111-44-4	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	Butyl benzyl phthalate	85-68-7	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	Caprolactam	105-60-2	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	Carbazole	86-74-8	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	Chrysene	218-01-9	222			32	ug/kg	Dry	1	78.6	
Spectrum A	SC-008	SA10952-20	Di-n-butyl phthalate	84-74-2	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	Di-n-octyl phthalate	117-84-0	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	Dibenzo (a,h) anthracene	53-70-3	BRL	U		32	ug/kg	Dry	1	78.6	
Spectrum A	SC-008	SA10952-20	Dibenzofuran	132-64-9	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	Diethyl phthalate	84-66-2	BRL	U		620	ug/kg	Dry	1	78.6	RL raised
Spectrum A	SC-008	SA10952-20	Dimethyl phthalate	131-11-3	BRL	U		150	ug/kg	Dry	1	78.6	RL raised

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LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIOS	DV_Comment
Spectrum /	SC-008	SA10952-20	Fluoranthene	206-44-0	312	J	H	32	ug/kg	Dry	1	78.6	High IS Recovery
Spectrum /	SC-008	SA10952-20	Fluorene	86-73-7	BRL	U		32	ug/kg	Dry	1	78.6	
Spectrum /	SC-008	SA10952-20	Hexachlorobenzene	118-74-1	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum /	SC-008	SA10952-20	Hexachlorobutadiene	87-68-3	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum /	SC-008	SA10952-20	Hexachlorocyclopentadiene	77-47-4	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum /	SC-008	SA10952-20	Hexachloroethane	67-72-1	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum /	SC-008	SA10952-20	Indeno (1,2,3-cd) pyrene	193-39-5	136			32	ug/kg	Dry	1	78.6	
Spectrum /	SC-008	SA10952-20	Isophorone	78-59-1	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum /	SC-008	SA10952-20	N-Nitrosodi-n-propylamine	621-64-7	BRL	U		32	ug/kg	Dry	1	78.6	
Spectrum /	SC-008	SA10952-20	N-Nitrosodiphenylamine	86-30-6	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum /	SC-008	SA10952-20	Naphthalene	91-20-3	BRL	U		32	ug/kg	Dry	1	78.6	
Spectrum /	SC-008	SA10952-20	Nitrobenzene	98-95-3	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum /	SC-008	SA10952-20	Pentachlorophenol	87-86-5	BRL	U		620	ug/kg	Dry	1	78.6	RL raised
Spectrum /	SC-008	SA10952-20	Phenanthrene	85-01-8	113	J	H	32	ug/kg	Dry	1	78.6	High IS Recovery
Spectrum /	SC-008	SA10952-20	Phenol	108-95-2	BRL	U		150	ug/kg	Dry	1	78.6	RL raised
Spectrum /	SC-008	SA10952-20	Pyrene	129-00-0	414			32	ug/kg	Dry	1	78.6	
Spectrum /	SC-009	SA10952-22	1,1'-Biphenyl	92-52-4	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	2,4,5-Trichlorophenol	95-95-4	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	2,4,6-Trichlorophenol	88-06-2	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	2,4-Dichlorophenol	120-83-2	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	2,4-Dimethylphenol	105-67-9	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	2,4-Dinitrophenol	51-28-5	BRL	UJ	I	630	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	2,4-Dinitrotoluene	121-14-2	BRL	UJ	I	630	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	2,6-Dinitrotoluene	606-20-2	BRL	UJ	I	630	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	2-Chloronaphthalene	91-58-7	BRL	UJ	I	630	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	2-Chlorophenol	95-57-8	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	2-Methylnaphthalene	91-57-6	BRL	UJ	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	2-Methylphenol	95-48-7	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	2-Nitroaniline	88-74-4	BRL	UJ	I	630	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	2-Nitrophenol	88-75-5	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	3,3'-Dichlorobenzidine	91-94-1	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	3-Nitroaniline	99-09-2	BRL	UJ	I	630	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	4,6-Dinitro-2-methylphenol	534-52-1	BRL	UJ	I	630	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	4-Bromophenyl phenyl ether	101-55-3	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	4-Chloro-3-methylphenol	59-50-7	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	4-Chloroaniline	106-47-8	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	4-Chlorophenyl phenyl ether	7005-72-3	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	4-Methylphenol	106-44-5	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	4-Nitroaniline	100-01-6	BRL	UJ	I	630	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	4-Nitrophenol	100-02-7	BRL	UJ	I	630	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Acenaphthene	83-32-9	41.0	J	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Acenaphthylene	208-96-8	47.7	J	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Acetophenone	98-86-2	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Anthracene	120-12-7	153	J	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time; High IS Recovery
Spectrum /	SC-009	SA10952-22	Atrazine	1912-24-9	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Benzaldehyde	100-52-7	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Benzo (a) anthracene	56-55-3	416	J	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Benzo (a) pyrene	50-32-8	355	J	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Benzo (b) fluoranthene	205-99-2	333	J	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Benzo (g,h,i) perylene	191-24-2	167	J	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Benzo (k) fluoranthene	207-08-9	277	J	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Bis(2-chloroethoxy)methane	111-91-1	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Bis(2-chloroethyl)ether	111-44-4	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Bis(2-chloroisopropyl)ether	108-60-1	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Butyl benzyl phthalate	85-68-7	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Caprolactam	105-60-2	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Carbazole	86-74-8	32.8	J	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time; High IS Recovery; Uncertain due to quantitation below calibration range
Spectrum /	SC-009	SA10952-22	Chrysene	218-01-9	349	J	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Di-n-butyl phthalate	84-74-2	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Di-n-octyl phthalate	117-84-0	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Dibenzo (a,h) anthracene	53-70-3	BRL	UJ	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Dibenzofuran	132-64-9	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Diethyl phthalate	84-66-2	BRL	UJ	I	630	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Dimethyl phthalate	131-11-3	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum /	SC-009	SA10952-22	Fluoranthene	206-44-0	777	J	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time; High IS Recovery

U = Non-detect at the reporting limit (RL). UJ = Non-detect is estimated. J = Result is estimated. R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum A	SC-009	SA10952-22	Fluorene	86-73-7	51.4	J	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time
Spectrum A	SC-009	SA10952-22	Hexachlorobenzene	118-74-1	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-009	SA10952-22	Hexachlorobutadiene	87-68-3	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-009	SA10952-22	Hexachlorocyclopentadiene	77-47-4	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-009	SA10952-22	Hexachloroethane	67-72-1	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-009	SA10952-22	Indeno (1,2,3-cd) pyrene	193-39-5	161	J	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time
Spectrum A	SC-009	SA10952-22	Isophorone	78-59-1	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-009	SA10952-22	N-Nitrosodi-n-propylamine	621-64-7	BRL	UJ	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time
Spectrum A	SC-009	SA10952-22	N-Nitrosodiphenylamine	86-30-6	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-009	SA10952-22	Naphthalene	91-20-3	BRL	UJ	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time
Spectrum A	SC-009	SA10952-22	Nitrobenzene	98-95-3	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-009	SA10952-22	Pentachlorophenol	87-86-5	BRL	UJ	I	630	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-009	SA10952-22	Phenanthrene	85-01-8	450	J	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time; High IS Recovery
Spectrum A	SC-009	SA10952-22	Phenol	108-95-2	BRL	UJ	I	160	ug/kg	Dry	1	81.5	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-009	SA10952-22	Pyrene	129-00-0	757	J	I	30	ug/kg	Dry	1	81.5	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	1,1'-Biphenyl	92-52-4	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	2,4,5-Trichlorophenol	95-95-4	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	2,4,6-Trichlorophenol	88-06-2	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	2,4-Dichlorophenol	120-83-2	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	2,4-Dimethylphenol	105-67-9	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	2,4-Dinitrophenol	51-28-5	BRL	UJ	I	610	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	2,4-Dinitrotoluene	121-14-2	BRL	UJ	I	610	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	2,6-Dinitrotoluene	606-20-2	BRL	UJ	I	610	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	2-Chloronaphthalene	91-58-7	BRL	UJ	I	610	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	2-Chlorophenol	95-57-8	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	2-Methylnaphthalene	91-57-6	BRL	UJ	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	2-Methylphenol	95-48-7	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	2-Nitroaniline	88-74-4	BRL	UJ	I	610	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	2-Nitrophenol	88-75-5	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	3,3'-Dichlorobenzidine	91-94-1	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	3-Nitroaniline	99-09-2	BRL	UJ	I	610	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	4,6-Dinitro-2-methylphenol	534-52-1	BRL	UJ	I	610	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	4-Bromophenyl phenyl ether	101-55-3	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	4-Chloro-3-methylphenol	59-50-7	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	4-Chloroaniline	106-47-8	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	4-Chlorophenyl phenyl ether	7005-72-3	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	4-Methylphenol	106-44-5	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	4-Nitroaniline	100-01-6	BRL	UJ	I	610	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	4-Nitrophenol	100-02-7	BRL	UJ	I	610	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Acenaphthene	83-32-9	BRL	UJ	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Acenaphthylene	208-96-8	47.6	J	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Acetophenone	98-86-2	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Anthracene	120-12-7	52.9	J	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Atrazine	1912-24-9	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Benzaldehyde	100-52-7	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Benzo (a) anthracene	56-55-3	127	J	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Benzo (a) pyrene	50-32-8	97.1	J	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Benzo (b) fluoranthene	205-99-2	78.3	J	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Benzo (g,h,i) perylene	191-24-2	47.0	J	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Benzo (k) fluoranthene	207-08-9	100	J	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Bis(2-chloroethoxy)methane	111-91-1	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Bis(2-chloroethyl)ether	111-44-4	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Bis(2-chloroisopropyl)ether	108-60-1	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Butyl benzyl phthalate	85-68-7	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Caprolactam	105-60-2	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Carbazole	86-74-8	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Chrysene	218-01-9	122	J	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Di-n-butyl phthalate	84-74-2	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Di-n-octyl phthalate	117-84-0	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Dibenzo (a,h) anthracene	53-70-3	BRL	UJ	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Dibenzofuran	132-64-9	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Diethyl phthalate	84-66-2	BRL	UJ	I	610	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Dimethyl phthalate	131-11-3	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Fluoranthene	206-44-0	187	J	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Fluorene	86-73-7	BRL	UJ	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Hexachlorobenzene	118-74-1	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time

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LABNAME	SAMPLENAME	LABSAMPID	ANALYTE	CASNUMBER	RESUL	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum A	SC-010	SA10952-24	Hexachlorobutadiene	87-68-3	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Hexachlorocyclopentadiene	77-47-4	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Hexachloroethane	67-72-1	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Indeno (1,2,3-cd) pyrene	193-39-5	45.2	J	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Isophorone	78-59-1	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	N-Nitrosodi-n-propylamine	621-64-7	BRL	UJ	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	N-Nitrosodiphenylamine	86-30-6	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Naphthalene	91-20-3	BRL	UJ	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Nitrobenzene	98-95-3	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Pentachlorophenol	87-86-5	BRL	UJ	I	610	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Phenanthrene	85-01-8	84.5	J	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Phenol	108-95-2	BRL	UJ	I	150	ug/kg	Dry	1	79.6	RL raised; Sample analyzed outside 12-hour tune time
Spectrum A	SC-010	SA10952-24	Pyrene	129-00-0	203	J	I	31	ug/kg	Dry	1	79.6	Sample analyzed outside 12-hour tune time

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Spectrum Samp ID	Client ID	Compound Name	Result	EMPC	RL	Units	Flags	DV_Qual	Bias	DV_Comment
SA10952-02	SC-001	2,3,7,8-TCDF	3.3		0.29	ng/Kg	A			RL = EDL
SA10952-02	SC-001	2,3,7,8-TCDD	10		0.3	ng/Kg	A			RL = EDL
SA10952-02	SC-001	1,2,3,7,8-PeCDF	4.6		0.99	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-02	SC-001	2,3,4,7,8-PeCDF	7		0.99	ng/Kg				
SA10952-02	SC-001	1,2,3,7,8-PeCDD	27		0.99	ng/Kg				
SA10952-02	SC-001	1,2,3,4,7,8-HxCDF	12		0.99	ng/Kg				
SA10952-02	SC-001	1,2,3,6,7,8-HxCDF	10		0.99	ng/Kg				
SA10952-02	SC-001	2,3,4,6,7,8-HxCDF	17		0.99	ng/Kg				
SA10952-02	SC-001	1,2,3,7,8,9-HxCDF	3.1		0.99	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-02	SC-001	1,2,3,4,7,8-HxCDD	31		0.99	ng/Kg				
SA10952-02	SC-001	1,2,3,6,7,8-HxCDD	170		0.99	ng/Kg				
SA10952-02	SC-001	1,2,3,7,8,9-HxCDD	66		0.99	ng/Kg				
SA10952-02	SC-001	1,2,3,4,6,7,8-HpCDF	300		0.99	ng/Kg				
SA10952-02	SC-001	1,2,3,4,7,8,9-HpCDF	17		0.99	ng/Kg				
SA10952-02	SC-001	1,2,3,4,6,7,8-HpCDD	3600		0.99	ng/Kg				
SA10952-02	SC-001	OCDF	800		2	ng/Kg				
SA10952-02	SC-001	OCDD	43000		99	ng/Kg	N2			
SA10952-04	SC-002	2,3,7,8-TCDF	3		0.22	ng/Kg	A			RL = EDL
SA10952-04	SC-002	2,3,7,8-TCDD	5.5		0.38	ng/Kg	A			RL = EDL
SA10952-04	SC-002	1,2,3,7,8-PeCDF		4.6	0.99	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
SA10952-04	SC-002	2,3,4,7,8-PeCDF	4.9		0.99	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-04	SC-002	1,2,3,7,8-PeCDD	15		0.99	ng/Kg				
SA10952-04	SC-002	1,2,3,4,7,8-HxCDF		22	0.99	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
SA10952-04	SC-002	1,2,3,6,7,8-HxCDF	7.3		0.99	ng/Kg				
SA10952-04	SC-002	2,3,4,6,7,8-HxCDF	18		0.99	ng/Kg				
SA10952-04	SC-002	1,2,3,7,8,9-HxCDF	3.7		0.99	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-04	SC-002	1,2,3,4,7,8-HxCDD	24		0.99	ng/Kg				
SA10952-04	SC-002	1,2,3,6,7,8-HxCDD	170		0.99	ng/Kg				
SA10952-04	SC-002	1,2,3,7,8,9-HxCDD	40		0.99	ng/Kg				
SA10952-04	SC-002	1,2,3,4,6,7,8-HpCDF	460		0.99	ng/Kg				
SA10952-04	SC-002	1,2,3,4,7,8,9-HpCDF	23		0.99	ng/Kg				
SA10952-04	SC-002	1,2,3,4,6,7,8-HpCDD	5100		2.6	ng/Kg	A			RL = EDL
SA10952-04	SC-002	OCDF	1100		2	ng/Kg				
SA10952-04	SC-002	OCDD	76000		99	ng/Kg	N2			
SA10952-06	SC-003	2,3,7,8-TCDF	2.1		0.39	ng/Kg	A			RL = EDL
SA10952-06	SC-003	2,3,7,8-TCDD	8.9		0.33	ng/Kg	A			RL = EDL
SA10952-06	SC-003	1,2,3,7,8-PeCDF		3.3	0.99	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
SA10952-06	SC-003	2,3,4,7,8-PeCDF	4.6		0.99	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-06	SC-003	1,2,3,7,8-PeCDD	19		0.99	ng/Kg				
SA10952-06	SC-003	1,2,3,4,7,8-HxCDF		17	0.99	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
SA10952-06	SC-003	1,2,3,6,7,8-HxCDF	8.9		0.99	ng/Kg				
SA10952-06	SC-003	2,3,4,6,7,8-HxCDF	20		0.99	ng/Kg				
SA10952-06	SC-003	1,2,3,7,8,9-HxCDF	3.4		0.99	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-06	SC-003	1,2,3,4,7,8-HxCDD	20		0.99	ng/Kg				
SA10952-06	SC-003	1,2,3,6,7,8-HxCDD	220		0.99	ng/Kg				
SA10952-06	SC-003	1,2,3,7,8,9-HxCDD	58		0.99	ng/Kg				
SA10952-06	SC-003	1,2,3,4,6,7,8-HpCDF	570		0.99	ng/Kg				
SA10952-06	SC-003	1,2,3,4,7,8,9-HpCDF	26		0.99	ng/Kg				
SA10952-06	SC-003	1,2,3,4,6,7,8-HpCDD	5600		0.99	ng/Kg				
SA10952-06	SC-003	OCDF	1400		2	ng/Kg				
SA10952-06	SC-003	OCDD	86000		99	ng/Kg	N2			
SA10952-10	SC-004	2,3,7,8-TCDF	2.7		0.38	ng/Kg	A			RL = EDL

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Spectrum Samp ID	Client ID	Compound Name	Result	EMPC	RL	Units	Flags	DV_Qual	Bias	DV_Comment
SA10952-10	SC-004	2,3,7,8-TCDD	5.2		0.53	ng/Kg	A			RL = EDL
SA10952-10	SC-004	1,2,3,7,8-PeCDF		3.9	1	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
SA10952-10	SC-004	2,3,4,7,8-PeCDF	4.9		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-10	SC-004	1,2,3,7,8-PeCDD	14		1	ng/Kg				
SA10952-10	SC-004	1,2,3,4,7,8-HxCDF		13	1	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
SA10952-10	SC-004	1,2,3,6,7,8-HxCDF	6.2		1	ng/Kg				
SA10952-10	SC-004	2,3,4,6,7,8-HxCDF	16		1	ng/Kg				
SA10952-10	SC-004	1,2,3,7,8,9-HxCDF	3.5		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-10	SC-004	1,2,3,4,7,8-HxCDD	15		1	ng/Kg				
SA10952-10	SC-004	1,2,3,6,7,8-HxCDD	150		1	ng/Kg				
SA10952-10	SC-004	1,2,3,7,8,9-HxCDD	44		1	ng/Kg				
SA10952-10	SC-004	1,2,3,4,6,7,8-HpCDF	430		1	ng/Kg				
SA10952-10	SC-004	1,2,3,4,7,8,9-HpCDF	21		1	ng/Kg				
SA10952-10	SC-004	1,2,3,4,6,7,8-HpCDD	4200		1	ng/Kg				
SA10952-10	SC-004	OCDF	1100		2	ng/Kg				
SA10952-10	SC-004	OCDD	56000		100	ng/Kg	N2			
SA10952-12	SC-005	2,3,7,8-TCDF	2		0.2	ng/Kg				
SA10952-12	SC-005	2,3,7,8-TCDD	6.3		0.31	ng/Kg	A			RL = EDL
SA10952-12	SC-005	1,2,3,7,8-PeCDF		3.1	1	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
SA10952-12	SC-005	2,3,4,7,8-PeCDF	4.1		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-12	SC-005	1,2,3,7,8-PeCDD	16		1	ng/Kg				
SA10952-12	SC-005	1,2,3,4,7,8-HxCDF		13	1	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
SA10952-12	SC-005	1,2,3,6,7,8-HxCDF	6.3		1	ng/Kg				
SA10952-12	SC-005	2,3,4,6,7,8-HxCDF	14		1	ng/Kg				
SA10952-12	SC-005	1,2,3,7,8,9-HxCDF	2.7		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-12	SC-005	1,2,3,4,7,8-HxCDD	14		1	ng/Kg				
SA10952-12	SC-005	1,2,3,6,7,8-HxCDD	150		1	ng/Kg				
SA10952-12	SC-005	1,2,3,7,8,9-HxCDD	43		1	ng/Kg				
SA10952-12	SC-005	1,2,3,4,6,7,8-HpCDF	330		1	ng/Kg				
SA10952-12	SC-005	1,2,3,4,7,8,9-HpCDF	16		1	ng/Kg				
SA10952-12	SC-005	1,2,3,4,6,7,8-HpCDD	3700		1	ng/Kg				
SA10952-12	SC-005	OCDF	790		2	ng/Kg				
SA10952-12	SC-005	OCDD	59000		100	ng/Kg	N2			
SA10952-14	SC-006	2,3,7,8-TCDF	1.3		0.4	ng/Kg	A			RL = EDL
SA10952-14	SC-006	2,3,7,8-TCDD	3.8		0.46	ng/Kg	A			RL = EDL
SA10952-14	SC-006	1,2,3,7,8-PeCDF	3.8		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-14	SC-006	2,3,4,7,8-PeCDF	3.2		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-14	SC-006	1,2,3,7,8-PeCDD	23		1	ng/Kg				
SA10952-14	SC-006	1,2,3,4,7,8-HxCDF		8.4	1	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
SA10952-14	SC-006	1,2,3,6,7,8-HxCDF	8.6		1	ng/Kg				
SA10952-14	SC-006	2,3,4,6,7,8-HxCDF	14		1	ng/Kg				
SA10952-14	SC-006	1,2,3,7,8,9-HxCDF	2.3		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-14	SC-006	1,2,3,4,7,8-HxCDD	25		1	ng/Kg				
SA10952-14	SC-006	1,2,3,6,7,8-HxCDD	200		1	ng/Kg				
SA10952-14	SC-006	1,2,3,7,8,9-HxCDD	80		1	ng/Kg				
SA10952-14	SC-006	1,2,3,4,6,7,8-HpCDF	290		1.3	ng/Kg	A			RL = EDL
SA10952-14	SC-006	1,2,3,4,7,8,9-HpCDF	18		1.7	ng/Kg	A			RL = EDL
SA10952-14	SC-006	1,2,3,4,6,7,8-HpCDD	3400		1.2	ng/Kg	A			RL = EDL
SA10952-14	SC-006	OCDF	1000		2	ng/Kg				
SA10952-14	SC-006	OCDD	45000		2	ng/Kg				
SA10952-16	SCE-006	2,3,7,8-TCDF	1.2		0.44	ng/Kg	A			RL = EDL
SA10952-16	SCE-006	2,3,7,8-TCDD	3.2		0.54	ng/Kg	A			RL = EDL

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Spectrum Samp ID	Client ID	Compound Name	Result	EMPC	RL	Units	Flags	DV_Qual	Bias	DV_Comment
SA10952-16	SCE-006	1,2,3,7,8-PeCDF		2.9	0.99	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SA10952-16	SCE-006	2,3,4,7,8-PeCDF	2.9		0.99	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-16	SCE-006	1,2,3,7,8-PeCDD	19		0.99	ng/Kg				
SA10952-16	SCE-006	1,2,3,4,7,8-HxCDF		7.9	0.99	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SA10952-16	SCE-006	1,2,3,6,7,8-HxCDF	6.3		0.99	ng/Kg				
SA10952-16	SCE-006	2,3,4,6,7,8-HxCDF	12		0.99	ng/Kg				
SA10952-16	SCE-006	1,2,3,7,8,9-HxCDF	1.9		0.99	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-16	SCE-006	1,2,3,4,7,8-HxCDD	23		0.99	ng/Kg				
SA10952-16	SCE-006	1,2,3,6,7,8-HxCDD	160		0.99	ng/Kg				
SA10952-16	SCE-006	1,2,3,7,8,9-HxCDD	66		0.99	ng/Kg				
SA10952-16	SCE-006	1,2,3,4,6,7,8-HpCDF	250		0.99	ng/Kg				
SA10952-16	SCE-006	1,2,3,4,7,8,9-HpCDF	15		1.2	ng/Kg	A			RL = EDL
SA10952-16	SCE-006	1,2,3,4,6,7,8-HpCDD	2600		0.99	ng/Kg				
SA10952-16	SCE-006	OCDF	930		2	ng/Kg				
SA10952-16	SCE-006	OCDD	33000		2	ng/Kg				
SA10952-18	SC-007	2,3,7,8-TCDF	1.1		0.32	ng/Kg	A			RL = EDL
SA10952-18	SC-007	2,3,7,8-TCDD	0.56		0.57	ng/Kg	JA	J	I	Result uncertain below the calibration range; RL = EDL
SA10952-18	SC-007	1,2,3,7,8-PeCDF	ND		0.98	ng/Kg		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA10952-18	SC-007	2,3,4,7,8-PeCDF	1.8		0.98	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-18	SC-007	1,2,3,7,8-PeCDD	4.8		0.98	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-18	SC-007	1,2,3,4,7,8-HxCDF		2.5	0.98	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SA10952-18	SC-007	1,2,3,6,7,8-HxCDF	2		0.98	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-18	SC-007	2,3,4,6,7,8-HxCDF	3.9		0.98	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-18	SC-007	1,2,3,7,8,9-HxCDF	ND		0.98	ng/Kg		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA10952-18	SC-007	1,2,3,4,7,8-HxCDD	6.1		0.98	ng/Kg				
SA10952-18	SC-007	1,2,3,6,7,8-HxCDD	31		0.98	ng/Kg				
SA10952-18	SC-007	1,2,3,7,8,9-HxCDD	12		0.98	ng/Kg				
SA10952-18	SC-007	1,2,3,4,6,7,8-HpCDF	94		0.98	ng/Kg				
SA10952-18	SC-007	1,2,3,4,7,8,9-HpCDF	4.2		0.98	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-18	SC-007	1,2,3,4,6,7,8-HpCDD	660		0.98	ng/Kg				
SA10952-18	SC-007	OCDF	220		2	ng/Kg				
SA10952-18	SC-007	OCDD	9700		2	ng/Kg				
SA10952-20	SC-008	2,3,7,8-TCDF		0.74	0.43	ng/Kg	IA	J	H	Interference present; RL = EDL
SA10952-20	SC-008	2,3,7,8-TCDD	2.4		0.47	ng/Kg	A			RL = EDL
SA10952-20	SC-008	1,2,3,7,8-PeCDF	2.9		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-20	SC-008	2,3,4,7,8-PeCDF	2.5		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-20	SC-008	1,2,3,7,8-PeCDD	17		1	ng/Kg				
SA10952-20	SC-008	1,2,3,4,7,8-HxCDF		11	1	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SA10952-20	SC-008	1,2,3,6,7,8-HxCDF	7		1	ng/Kg				
SA10952-20	SC-008	2,3,4,6,7,8-HxCDF	12		1	ng/Kg				
SA10952-20	SC-008	1,2,3,7,8,9-HxCDF	2.2		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-20	SC-008	1,2,3,4,7,8-HxCDD	19		1	ng/Kg				
SA10952-20	SC-008	1,2,3,6,7,8-HxCDD	130		1	ng/Kg				
SA10952-20	SC-008	1,2,3,7,8,9-HxCDD	52		1	ng/Kg				
SA10952-20	SC-008	1,2,3,4,6,7,8-HpCDF	240		1.1	ng/Kg	A			RL = EDL
SA10952-20	SC-008	1,2,3,4,7,8,9-HpCDF	16		1.3	ng/Kg	A			RL = EDL
SA10952-20	SC-008	1,2,3,4,6,7,8-HpCDD	2300		2.9	ng/Kg	A			RL = EDL
SA10952-20	SC-008	OCDF	810		2	ng/Kg				
SA10952-20	SC-008	OCDD	29000		2	ng/Kg				
SA10952-22	SC-009	2,3,7,8-TCDF		0.56	0.41	ng/Kg	IA	J	H	Interference present; RL = EDL
SA10952-22	SC-009	2,3,7,8-TCDD	0.49		0.53	ng/Kg	JA	J	I	Result uncertain below the calibration range; RL = EDL
SA10952-22	SC-009	1,2,3,7,8-PeCDF	ND		1	ng/Kg		UJ	I	Result = Low-level RL (LRL); LRL uncertain

U = Non=detect at the reporting limit (RL). UJ = Non-detect is estimated RL. J = Result is estimated. R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. Please see the Data Validaiton Report for details.

Spectrum Samp ID	Client ID	Compound Name	Result	EMPC	RL	Units	Flags	DV_Qual	Bias	DV_Comment
SA10952-22	SC-009	2,3,4,7,8-PeCDF	1.1		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-22	SC-009	1,2,3,7,8-PeCDD	2.1		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-22	SC-009	1,2,3,4,7,8-HxCDF		2.6	1	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SA10952-22	SC-009	1,2,3,6,7,8-HxCDF		1.2	1	ng/Kg	I	J	H	Interference present
SA10952-22	SC-009	2,3,4,6,7,8-HxCDF	2.3		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-22	SC-009	1,2,3,7,8,9-HxCDF	ND		1	ng/Kg		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA10952-22	SC-009	1,2,3,4,7,8-HxCDD	3.6		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-22	SC-009	1,2,3,6,7,8-HxCDD	21		1	ng/Kg				
SA10952-22	SC-009	1,2,3,7,8,9-HxCDD	9.1		1	ng/Kg				
SA10952-22	SC-009	1,2,3,4,6,7,8-HpCDF	53		1	ng/Kg				
SA10952-22	SC-009	1,2,3,4,7,8,9-HpCDF	2.6		1.2	ng/Kg	JA	J	I	Result uncertain below the calibration range; RL = EDL
SA10952-22	SC-009	1,2,3,4,6,7,8-HpCDD	400		1.3	ng/Kg	A			RL = EDL
SA10952-22	SC-009	OCDF	140		2	ng/Kg				
SA10952-22	SC-009	OCDD	4800		2	ng/Kg				
SA10952-24	SC-010	2,3,7,8-TCDF	0.73		0.31	ng/Kg	JA	J	I	Result uncertain below the calibration range; RL = EDL
SA10952-24	SC-010	2,3,7,8-TCDD	ND		0.44	ng/Kg	A	UJ	I	Result = Estimated Detection Limit (EDL); EDL uncertain
SA10952-24	SC-010	1,2,3,7,8-PeCDF	ND		0.99	ng/Kg		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA10952-24	SC-010	2,3,4,7,8-PeCDF	ND		0.99	ng/Kg		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA10952-24	SC-010	1,2,3,7,8-PeCDD	4		0.99	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-24	SC-010	1,2,3,4,7,8-HxCDF	2		0.99	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-24	SC-010	1,2,3,6,7,8-HxCDF	1.7		0.99	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-24	SC-010	2,3,4,6,7,8-HxCDF	2.2		0.99	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-24	SC-010	1,2,3,7,8,9-HxCDF	ND		0.99	ng/Kg		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA10952-24	SC-010	1,2,3,4,7,8-HxCDD	3.3		0.99	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-24	SC-010	1,2,3,6,7,8-HxCDD	21		0.99	ng/Kg				
SA10952-24	SC-010	1,2,3,7,8,9-HxCDD	8.5		0.99	ng/Kg				
SA10952-24	SC-010	1,2,3,4,6,7,8-HpCDF	49		0.99	ng/Kg				
SA10952-24	SC-010	1,2,3,4,7,8,9-HpCDF	2.1		0.99	ng/Kg	J	J	I	Result uncertain below the calibration range
SA10952-24	SC-010	1,2,3,4,6,7,8-HpCDD	370		0.99	ng/Kg				
SA10952-24	SC-010	OCDF	130		2	ng/Kg				
SA10952-24	SC-010	OCDD	4300		2	ng/Kg				

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LAB	SAMPLE NAME	LAB SAMP ID	MATRIX	SAMP DATE	PREP DATE	ANAL DATE	METHOD	ANALYTE	CAS NUMBER	DV RESULT	DV QUAL	LAB RL	UNITS	BAS	DILU	% SOLIDS	DV BIAS	DV_Comment
Spectrum A	SC-001	SA10952-02	Soil	4/14/2004	4/22/2004	4/27/2004	SW846 7471A	Mercury	7439-97-6	1.5		0.217	mg/kg	Dry	1	82.1		
Spectrum A	SC-002	SA10952-04	Soil	4/14/2004	4/22/2004	4/27/2004	SW846 7471A	Mercury	7439-97-6	1.4		0.207	mg/kg	Dry	1	78.1		
Spectrum A	SC-003	SA10952-06	Soil	4/14/2004	4/22/2004	4/27/2004	SW846 7471A	Mercury	7439-97-6	1.6		0.212	mg/kg	Dry	1	80.3		
Spectrum A	SC-004	SA10952-10	Soil	4/14/2004	4/22/2004	4/27/2004	SW846 7471A	Mercury	7439-97-6	0.92		0.195	mg/kg	Dry	1	82.3		
Spectrum A	SC-005	SA10952-12	Soil	4/14/2004	4/22/2004	4/27/2004	SW846 7471A	Mercury	7439-97-6	0.84		0.188	mg/kg	Dry	1	82.1		
Spectrum A	SC-006	SA10952-14	Soil	4/14/2004	4/22/2004	4/27/2004	SW846 7471A	Mercury	7439-97-6	1.8	J	0.208	mg/kg	Dry	1	77.6	H	MS high at 173%
Spectrum A	SCE-006	SA10952-16	Soil	4/14/2004	4/22/2004	4/27/2004	SW846 7471A	Mercury	7439-97-6	1.7		0.229	mg/kg	Dry	1	77.0		
Spectrum A	SC-007	SA10952-18	Soil	4/14/2004	4/22/2004	4/27/2004	SW846 7471A	Mercury	7439-97-6	1.1		0.207	mg/kg	Dry	1	80.1		
Spectrum A	SC-008	SA10952-20	Soil	4/14/2004	4/22/2004	4/27/2004	SW846 7471A	Mercury	7439-97-6	1.5		0.196	mg/kg	Dry	1	78.6		
Spectrum A	SC-009	SA10952-22	Soil	4/14/2004	4/22/2004	4/27/2004	SW846 7471A	Mercury	7439-97-6	0.38		0.207	mg/kg	Dry	1	81.5		
Spectrum A	SC-010	SA10952-24	Soil	4/14/2004	4/22/2004	4/27/2004	SW846 7471A	Mercury	7439-97-6	0.35		0.201	mg/kg	Dry	1	79.6		

U = Non-detect at the reporting limit (RL). UJ = Non-detect at estimated RL. J = Result is estimated. R = Result is rejected.
Bial: L = low; H = high; I = indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7429-90-5	Aluminum	10000		mg/Kg	Dry	12	80.8	25	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7429-90-5	Aluminum	9800		mg/Kg	Dry	10	80.3	25	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7429-90-5	Aluminum	6400		mg/Kg	Dry	11	81.3	25	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7429-90-5	Aluminum	9400		mg/Kg	Dry	13	81.7	25	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7429-90-5	Aluminum	8900		mg/Kg	Dry	10	83.3	25	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7429-90-5	Aluminum	11000		mg/Kg	Dry	12	77.9	25	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7429-90-5	Aluminum	10000		mg/Kg	Dry	10	78.6	25	6020A		
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7429-90-5	Aluminum	10000		mg/Kg	Dry	8.4	80.3	25	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7429-90-5	Aluminum	9500		mg/Kg	Dry	10	81.4	25	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7429-90-5	Aluminum	9900		mg/Kg	Dry	11	80.2	25	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7429-90-5	Aluminum	10000		mg/Kg	Dry	9.9	87.3	25	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7429-90-5	Aluminum	11000		mg/Kg	Dry	11	85.5	25	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7429-90-5	Aluminum	9800		mg/Kg	Dry	10	87.0	25	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7429-90-5	Aluminum	12000		mg/Kg	Dry	9.7	85.6	25	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7429-90-5	Aluminum	9300		mg/Kg	Dry	9.8	87.8	25	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7429-90-5	Aluminum	10000		mg/Kg	Dry	10	77.9	25	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-36-0	Antimony	0.67	J	mg/Kg	Dry	0.21	80.8	5	6020A	L	MS low at 29%
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-36-0	Antimony	0.83	J	mg/Kg	Dry	0.28	80.3	5	6020A	L	MS low at 29%
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-36-0	Antimony	0.81	J	mg/Kg	Dry	0.31	81.3	5	6020A	L	MS low at 29%
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-36-0	Antimony	1.1	J	mg/Kg	Dry	0.24	81.7	5	6020A	L	MS low at 29%
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-36-0	Antimony	0.56	J	mg/Kg	Dry	0.20	83.3	5	6020A	L	MS low at 29%
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-36-0	Antimony	0.65	J	mg/Kg	Dry	0.25	77.9	5	6020A	L	MS low at 29%
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-36-0	Antimony	0.61	J	mg/Kg	Dry	0.32	78.6	5	6020A	L	MS low at 29%
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-36-0	Antimony	0.63	J	mg/Kg	Dry	0.28	80.3	5	6020A	L	MS low at 29%
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-36-0	Antimony	0.63	J	mg/Kg	Dry	0.27	81.4	5	6020A	L	MS low at 29%
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-36-0	Antimony	0.56	J	mg/Kg	Dry	0.20	80.2	5	6020A	L	MS low at 29%
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-36-0	Antimony	0.32	J	mg/Kg	Dry	0.22	87.3	5	6020A	L	MS low at 29%
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-36-0	Antimony	0.70	J	mg/Kg	Dry	0.28	85.5	5	6020A	L	MS low at 29%
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-36-0	Antimony	0.27	J	mg/Kg	Dry	0.27	87.0	5	6020A	L	MS low at 29%
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-36-0	Antimony	0.24	J	mg/Kg	Dry	0.20	85.6	5	6020A	L	MS low at 29%
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-36-0	Antimony	0.24	UJ	mg/Kg	Dry	0.24	87.8	5	6020A	L	Negated at RL + MS low at 29%
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-36-0	Antimony	0.59	J	mg/Kg	Dry	0.24	77.9	5	6020A	L	MS low at 29%
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-38-2	Arsenic	4.3		mg/Kg	Dry	0.25	80.8	5	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-38-2	Arsenic	5.4		mg/Kg	Dry	0.20	80.3	5	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-38-2	Arsenic	5.1		mg/Kg	Dry	0.22	81.3	5	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-38-2	Arsenic	4.6		mg/Kg	Dry	0.25	81.7	5	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-38-2	Arsenic	8.8		mg/Kg	Dry	0.20	83.3	5	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-38-2	Arsenic	3.9		mg/Kg	Dry	0.23	77.9	5	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-38-2	Arsenic	4.0		mg/Kg	Dry	0.20	78.6	5	6020A		

U = Non-detect at the "DetLimit" which is the sample-specific reporting limit (RL). UJ = Non-detect at estimated RL. J = Result is estimated.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

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SamplID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-38-2	Arsenic	4.1		mg/Kg	Dry	0.17	80.3	5	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-38-2	Arsenic	4.5		mg/Kg	Dry	0.21	81.4	5	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-38-2	Arsenic	4.6		mg/Kg	Dry	0.23	80.2	5	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-38-2	Arsenic	4.4		mg/Kg	Dry	0.20	87.3	5	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-38-2	Arsenic	4.6		mg/Kg	Dry	0.22	85.5	5	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-38-2	Arsenic	4.8		mg/Kg	Dry	0.21	87.0	5	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-38-2	Arsenic	5.4		mg/Kg	Dry	0.19	85.6	5	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-38-2	Arsenic	5.4		mg/Kg	Dry	0.19	87.8	5	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-38-2	Arsenic	4.0		mg/Kg	Dry	0.21	77.9	5	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-39-3	Barium	98		mg/Kg	Dry	0.025	80.8	5	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-39-3	Barium	89		mg/Kg	Dry	0.020	80.3	5	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-39-3	Barium	85		mg/Kg	Dry	0.022	81.3	5	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-39-3	Barium	65		mg/Kg	Dry	0.025	81.7	5	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-39-3	Barium	85		mg/Kg	Dry	0.020	83.3	5	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-39-3	Barium	58		mg/Kg	Dry	0.023	77.9	5	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-39-3	Barium	59		mg/Kg	Dry	0.020	78.6	5	6020A		
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-39-3	Barium	46		mg/Kg	Dry	0.017	80.3	5	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-39-3	Barium	44		mg/Kg	Dry	0.021	81.4	5	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-39-3	Barium	48		mg/Kg	Dry	0.023	80.2	5	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-39-3	Barium	55		mg/Kg	Dry	0.020	87.3	5	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-39-3	Barium	64		mg/Kg	Dry	0.022	85.5	5	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-39-3	Barium	73		mg/Kg	Dry	0.021	87.0	5	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-39-3	Barium	64		mg/Kg	Dry	0.019	85.6	5	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-39-3	Barium	54		mg/Kg	Dry	0.020	87.8	5	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-39-3	Barium	61		mg/Kg	Dry	0.021	77.9	5	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-41-7	Beryllium	0.29		mg/Kg	Dry	0.12	80.8	5	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-41-7	Beryllium	0.32		mg/Kg	Dry	0.10	80.3	5	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-41-7	Beryllium	0.22		mg/Kg	Dry	0.11	81.3	5	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-41-7	Beryllium	0.24		mg/Kg	Dry	0.13	81.7	5	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-41-7	Beryllium	0.27		mg/Kg	Dry	0.10	83.3	5	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-41-7	Beryllium	0.31		mg/Kg	Dry	0.12	77.9	5	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-41-7	Beryllium	0.29		mg/Kg	Dry	0.10	78.6	5	6020A		
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-41-7	Beryllium	0.28		mg/Kg	Dry	0.084	80.3	5	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-41-7	Beryllium	0.27		mg/Kg	Dry	0.10	81.4	5	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-41-7	Beryllium	0.30		mg/Kg	Dry	0.11	80.2	5	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-41-7	Beryllium	0.29		mg/Kg	Dry	0.099	87.3	5	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-41-7	Beryllium	0.31		mg/Kg	Dry	0.11	85.5	5	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-41-7	Beryllium	0.29		mg/Kg	Dry	0.10	87.0	5	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-41-7	Beryllium	0.35		mg/Kg	Dry	0.097	85.6	5	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-41-7	Beryllium	0.31		mg/Kg	Dry	0.097	87.8	5	6020A		

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Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-41-7	Beryllium	0.32		mg/Kg	Dry	0.10	77.9	5	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-43-9	Cadmium	4.6		mg/Kg	Dry	0.025	80.8	5	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-43-9	Cadmium	5.4		mg/Kg	Dry	0.020	80.3	5	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-43-9	Cadmium	4.1		mg/Kg	Dry	0.022	81.3	5	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-43-9	Cadmium	3.7		mg/Kg	Dry	0.025	81.7	5	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-43-9	Cadmium	3.2		mg/Kg	Dry	0.020	83.3	5	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-43-9	Cadmium	5.1		mg/Kg	Dry	0.023	77.9	5	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-43-9	Cadmium	4.4		mg/Kg	Dry	0.020	78.6	5	6020A		
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-43-9	Cadmium	2.3		mg/Kg	Dry	0.017	80.3	5	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-43-9	Cadmium	0.69		mg/Kg	Dry	0.021	81.4	5	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-43-9	Cadmium	0.91		mg/Kg	Dry	0.023	80.2	5	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-43-9	Cadmium	0.67		mg/Kg	Dry	0.020	87.3	5	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-43-9	Cadmium	2.4		mg/Kg	Dry	0.022	85.5	5	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-43-9	Cadmium	2.8		mg/Kg	Dry	0.021	87.0	5	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-43-9	Cadmium	2.2		mg/Kg	Dry	0.019	85.6	5	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-43-9	Cadmium	1.8		mg/Kg	Dry	0.020	87.8	5	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-43-9	Cadmium	4.5		mg/Kg	Dry	0.021	77.9	5	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-70-2	Calcium	17000		mg/Kg	Dry	120	80.8	25	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-70-2	Calcium	23000		mg/Kg	Dry	100	80.3	25	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-70-2	Calcium	15000		mg/Kg	Dry	110	81.3	25	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-70-2	Calcium	12000		mg/Kg	Dry	130	81.7	25	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-70-2	Calcium	20000		mg/Kg	Dry	100	83.3	25	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-70-2	Calcium	20000		mg/Kg	Dry	120	77.9	25	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-70-2	Calcium	19000		mg/Kg	Dry	100	78.6	25	6020A		
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-70-2	Calcium	8800		mg/Kg	Dry	84	80.3	25	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-70-2	Calcium	3600		mg/Kg	Dry	100	81.4	25	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-70-2	Calcium	5400		mg/Kg	Dry	110	80.2	25	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-70-2	Calcium	5400		mg/Kg	Dry	99	87.3	25	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-70-2	Calcium	9800		mg/Kg	Dry	110	85.5	25	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-70-2	Calcium	14000		mg/Kg	Dry	100	87.0	25	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-70-2	Calcium	13000		mg/Kg	Dry	97	85.6	25	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-70-2	Calcium	9200		mg/Kg	Dry	98	87.8	25	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-70-2	Calcium	18000		mg/Kg	Dry	100	77.9	25	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-47-3	Chromium	2500		mg/Kg	Dry	0.62	80.8	25	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-47-3	Chromium	2800		mg/Kg	Dry	0.51	80.3	25	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-47-3	Chromium	2000		mg/Kg	Dry	0.54	81.3	25	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-47-3	Chromium	2000		mg/Kg	Dry	0.63	81.7	25	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-47-3	Chromium	1300		mg/Kg	Dry	0.51	83.3	25	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-47-3	Chromium	1800		mg/Kg	Dry	0.59	77.9	25	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-47-3	Chromium	1600		mg/Kg	Dry	0.51	78.6	25	6020A		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Re-Use Soil Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-47-3	Chromium	880		mg/Kg	Dry	0.084	80.3	5	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-47-3	Chromium	180		mg/Kg	Dry	0.10	81.4	5	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-47-3	Chromium	260		mg/Kg	Dry	0.11	80.2	5	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-47-3	Chromium	250		mg/Kg	Dry	0.099	87.3	5	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-47-3	Chromium	850		mg/Kg	Dry	0.11	85.5	5	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-47-3	Chromium	2500		mg/Kg	Dry	0.52	87.0	25	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-47-3	Chromium	1400		mg/Kg	Dry	0.48	85.6	25	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-47-3	Chromium	750		mg/Kg	Dry	0.097	87.8	5	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-47-3	Chromium	1700		mg/Kg	Dry	0.51	77.9	25	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-48-4	Cobalt	9.4		mg/Kg	Dry	0.025	80.8	5	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-48-4	Cobalt	11		mg/Kg	Dry	0.020	80.3	5	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-48-4	Cobalt	7.0		mg/Kg	Dry	0.022	81.3	5	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-48-4	Cobalt	9.2		mg/Kg	Dry	0.025	81.7	5	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-48-4	Cobalt	9.7		mg/Kg	Dry	0.020	83.3	5	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-48-4	Cobalt	9.4		mg/Kg	Dry	0.023	77.9	5	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-48-4	Cobalt	9.1		mg/Kg	Dry	0.020	78.6	5	6020A		
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-48-4	Cobalt	8.8		mg/Kg	Dry	0.017	80.3	5	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-48-4	Cobalt	8.6		mg/Kg	Dry	0.021	81.4	5	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-48-4	Cobalt	12		mg/Kg	Dry	0.023	80.2	5	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-48-4	Cobalt	9.0		mg/Kg	Dry	0.020	87.3	5	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-48-4	Cobalt	10		mg/Kg	Dry	0.022	85.5	5	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-48-4	Cobalt	9.5		mg/Kg	Dry	0.021	87.0	5	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-48-4	Cobalt	11		mg/Kg	Dry	0.019	85.6	5	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-48-4	Cobalt	9.9		mg/Kg	Dry	0.020	87.8	5	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-48-4	Cobalt	9.2		mg/Kg	Dry	0.021	77.9	5	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-50-8	Copper	40		mg/Kg	Dry	0.12	80.8	5	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-50-8	Copper	46		mg/Kg	Dry	0.10	80.3	5	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-50-8	Copper	34		mg/Kg	Dry	0.11	81.3	5	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-50-8	Copper	33		mg/Kg	Dry	0.13	81.7	5	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-50-8	Copper	28		mg/Kg	Dry	0.10	83.3	5	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-50-8	Copper	23		mg/Kg	Dry	0.12	77.9	5	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-50-8	Copper	21		mg/Kg	Dry	0.10	78.6	5	6020A		
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-50-8	Copper	18		mg/Kg	Dry	0.084	80.3	5	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-50-8	Copper	18		mg/Kg	Dry	0.10	81.4	5	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-50-8	Copper	22		mg/Kg	Dry	0.11	80.2	5	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-50-8	Copper	24		mg/Kg	Dry	0.099	87.3	5	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-50-8	Copper	27		mg/Kg	Dry	0.11	85.5	5	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-50-8	Copper	26		mg/Kg	Dry	0.10	87.0	5	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-50-8	Copper	26		mg/Kg	Dry	0.097	85.6	5	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-50-8	Copper	24		mg/Kg	Dry	0.097	87.8	5	6020A		

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Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

SamplID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-50-8	Copper	22		mg/Kg	Dry	0.10	77.9	5	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-89-6	Iron	27000		mg/Kg	Dry	250	80.8	100	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-89-6	Iron	26000		mg/Kg	Dry	200	80.3	100	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-89-6	Iron	19000		mg/Kg	Dry	220	81.3	100	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-89-6	Iron	23000		mg/Kg	Dry	250	81.7	100	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-89-6	Iron	26000		mg/Kg	Dry	200	83.3	100	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-89-6	Iron	21000		mg/Kg	Dry	230	77.9	100	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-89-6	Iron	36000		mg/Kg	Dry	200	78.6	100	6020A		
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-89-6	Iron	22000		mg/Kg	Dry	170	80.3	100	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-89-6	Iron	21000		mg/Kg	Dry	210	81.4	100	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-89-6	Iron	22000		mg/Kg	Dry	230	80.2	100	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-89-6	Iron	22000		mg/Kg	Dry	200	87.3	100	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-89-6	Iron	24000		mg/Kg	Dry	220	85.5	100	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-89-6	Iron	21000		mg/Kg	Dry	210	87.0	100	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-89-6	Iron	25000		mg/Kg	Dry	190	85.6	100	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7439-89-6	Iron	21000		mg/Kg	Dry	200	87.8	100	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-89-6	Iron	22000		mg/Kg	Dry	210	77.9	100	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-92-1	Lead	110		mg/Kg	Dry	0.25	80.8	5	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-92-1	Lead	150		mg/Kg	Dry	0.20	80.3	5	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-92-1	Lead	130		mg/Kg	Dry	0.22	81.3	5	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-92-1	Lead	100		mg/Kg	Dry	0.25	81.7	5	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-92-1	Lead	120		mg/Kg	Dry	0.20	83.3	5	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-92-1	Lead	84		mg/Kg	Dry	0.23	77.9	5	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-92-1	Lead	89		mg/Kg	Dry	0.20	78.6	5	6020A		
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-92-1	Lead	41		mg/Kg	Dry	0.17	80.3	5	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-92-1	Lead	22		mg/Kg	Dry	0.21	81.4	5	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-92-1	Lead	26		mg/Kg	Dry	0.23	80.2	5	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-92-1	Lead	26		mg/Kg	Dry	0.20	87.3	5	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-92-1	Lead	56		mg/Kg	Dry	0.22	85.5	5	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-92-1	Lead	82		mg/Kg	Dry	0.21	87.0	5	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-92-1	Lead	100		mg/Kg	Dry	0.19	85.6	5	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7439-92-1	Lead	56		mg/Kg	Dry	0.19	87.8	5	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-92-1	Lead	81		mg/Kg	Dry	0.21	77.9	5	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-95-4	Magnesium	5800		mg/Kg	Dry	12	80.8	25	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-95-4	Magnesium	5700		mg/Kg	Dry	10	80.3	25	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-95-4	Magnesium	3900		mg/Kg	Dry	11	81.3	25	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-95-4	Magnesium	5100		mg/Kg	Dry	13	81.7	25	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-95-4	Magnesium	9000		mg/Kg	Dry	10	83.3	25	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-95-4	Magnesium	5000		mg/Kg	Dry	12	77.9	25	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-95-4	Magnesium	5200		mg/Kg	Dry	10	78.6	25	6020A		

U = Non-detect at the "DetLimit" which is the sample-specific reporting limit (RL). UJ = Non-detect at estimated RL. J = Result is estimated.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Re-Use Soil Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-95-4	Magnesium	4600		mg/Kg	Dry	8.4	80.3	25	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-95-4	Magnesium	4500		mg/Kg	Dry	10	81.4	25	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-95-4	Magnesium	5300		mg/Kg	Dry	11	80.2	25	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-95-4	Magnesium	5200		mg/Kg	Dry	9.9	87.3	25	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-95-4	Magnesium	5900		mg/Kg	Dry	11	85.5	25	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-95-4	Magnesium	5600		mg/Kg	Dry	10	87.0	25	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-95-4	Magnesium	6500		mg/Kg	Dry	9.7	85.6	25	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7439-95-4	Magnesium	6200		mg/Kg	Dry	9.8	87.8	25	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-95-4	Magnesium	4800		mg/Kg	Dry	10	77.9	25	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-96-5	Manganese	590	J	mg/Kg	Dry	7.4	80.8	5	6020A	L	MS low at 55%
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-96-5	Manganese	600	J	mg/Kg	Dry	6.2	80.3	5	6020A	L	MS low at 55%
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-96-5	Manganese	780	J	mg/Kg	Dry	6.5	81.3	5	6020A	L	MS low at 55%
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-96-5	Manganese	580	J	mg/Kg	Dry	7.6	81.7	5	6020A	L	MS low at 55%
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-96-5	Manganese	1600	J	mg/Kg	Dry	6.1	83.3	5	6020A	L	MS low at 55% + over-range
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-96-5	Manganese	750	J	mg/Kg	Dry	7.0	77.9	5	6020A	L	MS low at 55%
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-96-5	Manganese	700	J	mg/Kg	Dry	6.1	78.6	5	6020A	L	MS low at 55%
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-96-5	Manganese	570	J	mg/Kg	Dry	5.0	80.3	5	6020A	L	MS low at 55%
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-96-5	Manganese	550	J	mg/Kg	Dry	6.2	81.4	5	6020A	L	MS low at 55%
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-96-5	Manganese	610	J	mg/Kg	Dry	6.8	80.2	5	6020A	L	MS low at 55%
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-96-5	Manganese	560	J	mg/Kg	Dry	5.9	87.3	5	6020A	L	MS low at 55%
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-96-5	Manganese	670	J	mg/Kg	Dry	6.4	85.5	5	6020A	L	MS low at 55%
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-96-5	Manganese	700	J	mg/Kg	Dry	6.3	87.0	5	6020A	L	MS low at 55%
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7439-96-5	Manganese	660	J	mg/Kg	Dry	5.8	85.6	5	6020A	L	MS low at 55%
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7439-96-5	Manganese	630	J	mg/Kg	Dry	5.8	87.8	5	6020A	L	MS low at 55%
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7439-96-5	Manganese	710	J	mg/Kg	Dry	6.2	77.9	5	6020A	L	MS low at 55%
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-02-0	Nickel	20		mg/Kg	Dry	0.12	80.8	5	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-02-0	Nickel	23		mg/Kg	Dry	0.10	80.3	5	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-02-0	Nickel	14		mg/Kg	Dry	0.11	81.3	5	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-02-0	Nickel	18		mg/Kg	Dry	0.13	81.7	5	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-02-0	Nickel	17		mg/Kg	Dry	0.10	83.3	5	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-02-0	Nickel	22		mg/Kg	Dry	0.12	77.9	5	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-02-0	Nickel	17		mg/Kg	Dry	0.10	78.6	5	6020A		
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-02-0	Nickel	16		mg/Kg	Dry	0.084	80.3	5	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-02-0	Nickel	16		mg/Kg	Dry	0.10	81.4	5	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-02-0	Nickel	19		mg/Kg	Dry	0.11	80.2	5	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-02-0	Nickel	17		mg/Kg	Dry	0.099	87.3	5	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-02-0	Nickel	20		mg/Kg	Dry	0.11	85.5	5	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-02-0	Nickel	19		mg/Kg	Dry	0.10	87.0	5	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-02-0	Nickel	20		mg/Kg	Dry	0.097	85.6	5	6020A		

U = Non-detect at the "DetLimit" which is the sample-specific reporting limit (RL). UJ = Non-detect at estimated RL. J = Result is estimated.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

SamplID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-02-0	Nickel	18		mg/Kg	Dry	0.097	87.8	5	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-02-0	Nickel	18		mg/Kg	Dry	0.10	77.9	5	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-09-7	Potassium	670		mg/Kg	Dry	62	80.8	25	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-09-7	Potassium	610		mg/Kg	Dry	51	80.3	25	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-09-7	Potassium	480		mg/Kg	Dry	54	81.3	25	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-09-7	Potassium	580		mg/Kg	Dry	63	81.7	25	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-09-7	Potassium	570		mg/Kg	Dry	51	83.3	25	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-09-7	Potassium	750		mg/Kg	Dry	58	77.9	25	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-09-7	Potassium	680		mg/Kg	Dry	51	78.6	25	6020A		
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-09-7	Potassium	700		mg/Kg	Dry	42	80.3	25	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-09-7	Potassium	660		mg/Kg	Dry	52	81.4	25	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-09-7	Potassium	730		mg/Kg	Dry	56	80.2	25	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-09-7	Potassium	660		mg/Kg	Dry	49	87.3	25	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-09-7	Potassium	720		mg/Kg	Dry	54	85.5	25	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-09-7	Potassium	620		mg/Kg	Dry	52	87.0	25	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-09-7	Potassium	790		mg/Kg	Dry	48	85.6	25	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-09-7	Potassium	640		mg/Kg	Dry	49	87.8	25	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-09-7	Potassium	670		mg/Kg	Dry	51	77.9	25	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7782-49-2	Selenium	0.18		mg/Kg	Dry	0.12	80.8	5	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7782-49-2	Selenium	0.22		mg/Kg	Dry	0.10	80.3	5	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7782-49-2	Selenium	0.17		mg/Kg	Dry	0.11	81.3	5	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7782-49-2	Selenium	0.19		mg/Kg	Dry	0.13	81.7	5	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7782-49-2	Selenium	0.24		mg/Kg	Dry	0.10	83.3	5	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7782-49-2	Selenium	0.45		mg/Kg	Dry	0.12	77.9	5	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7782-49-2	Selenium	0.40		mg/Kg	Dry	0.10	78.6	5	6020A		
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7782-49-2	Selenium	0.26		mg/Kg	Dry	0.084	80.3	5	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7782-49-2	Selenium	0.24		mg/Kg	Dry	0.10	81.4	5	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7782-49-2	Selenium	0.24		mg/Kg	Dry	0.11	80.2	5	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7782-49-2	Selenium	0.13		mg/Kg	Dry	0.099	87.3	5	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7782-49-2	Selenium	0.32		mg/Kg	Dry	0.11	85.5	5	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7782-49-2	Selenium	0.29		mg/Kg	Dry	0.10	87.0	5	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7782-49-2	Selenium	0.24		mg/Kg	Dry	0.097	85.6	5	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7782-49-2	Selenium	0.21		mg/Kg	Dry	0.097	87.8	5	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7782-49-2	Selenium	0.40		mg/Kg	Dry	0.10	77.9	5	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-22-4	Silver	0.51		mg/Kg	Dry	0.018	80.8	5	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-22-4	Silver	0.45		mg/Kg	Dry	0.023	80.3	5	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-22-4	Silver	0.28		mg/Kg	Dry	0.028	81.3	5	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-22-4	Silver	0.32		mg/Kg	Dry	0.020	81.7	5	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-22-4	Silver	0.41		mg/Kg	Dry	0.017	83.3	5	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-22-4	Silver	0.15		mg/Kg	Dry	0.021	77.9	5	6020A		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Re-Use Soil Sampling - 2004

SamplD	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-22-4	Silver	0.11		mg/Kg	Dry	0.026	78.6	5	6020A		
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-22-4	Silver	0.11		mg/Kg	Dry	0.023	80.3	5	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-22-4	Silver	0.11		mg/Kg	Dry	0.022	81.4	5	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-22-4	Silver	0.11		mg/Kg	Dry	0.017	80.2	5	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-22-4	Silver	0.14		mg/Kg	Dry	0.019	87.3	5	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-22-4	Silver	0.12		mg/Kg	Dry	0.024	85.5	5	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-22-4	Silver	0.095		mg/Kg	Dry	0.023	87.0	5	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-22-4	Silver	0.13		mg/Kg	Dry	0.017	85.6	5	6020A		
SC-015	0406006-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-22-4	Silver	0.16		mg/Kg	Dry	0.020	87.8	5	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-22-4	Silver	0.14		mg/Kg	Dry	0.020	77.9	5	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-23-5	Sodium	120	U	mg/Kg	Dry	120	80.8	25	6020A		Negated at RL
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-23-5	Sodium	100	U	mg/Kg	Dry	100	80.3	25	6020A		Negated at RL
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-23-5	Sodium	110	U	mg/Kg	Dry	110	81.3	25	6020A		Negated at RL
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-23-5	Sodium	130	U	mg/Kg	Dry	130	81.7	25	6020A		Negated at RL
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-23-5	Sodium	100	U	mg/Kg	Dry	100	83.3	25	6020A		Negated at RL
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-23-5	Sodium	120	U	mg/Kg	Dry	120	77.9	25	6020A		Negated at RL
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-23-5	Sodium	100	U	mg/Kg	Dry	100	78.6	25	6020A		Negated at RL
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-23-5	Sodium	84	U	mg/Kg	Dry	84	80.3	25	6020A		Negated at RL
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-23-5	Sodium	100	U	mg/Kg	Dry	100	81.4	25	6020A		Negated at RL
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-23-5	Sodium	110	U	mg/Kg	Dry	110	80.2	25	6020A		Negated at RL
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-23-5	Sodium	99	U	mg/Kg	Dry	99	87.3	25	6020A		Negated at RL
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-23-5	Sodium	110	U	mg/Kg	Dry	110	85.5	25	6020A		Negated at RL
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-23-5	Sodium	100	U	mg/Kg	Dry	100	87.0	25	6020A		Negated at RL
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-23-5	Sodium	97	U	mg/Kg	Dry	97	85.6	25	6020A		Negated at RL
SC-015	0406006-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-23-5	Sodium	98	U	mg/Kg	Dry	98	87.8	25	6020A		Negated at RL
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-23-5	Sodium	100	U	mg/Kg	Dry	100	77.9	25	6020A		Negated at RL
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-28-0	Thallium	0.25	U	mg/Kg	Dry	0.25	80.8	5	6020A		Negated at RL
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-28-0	Thallium	0.20	U	mg/Kg	Dry	0.20	80.3	5	6020A		Negated at RL
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-28-0	Thallium	0.22	U	mg/Kg	Dry	0.22	81.3	5	6020A		Non-detect raised to RL
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-28-0	Thallium	0.25	U	mg/Kg	Dry	0.25	81.7	5	6020A		Non-detect raised to RL
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-28-0	Thallium	0.20	U	mg/Kg	Dry	0.20	83.3	5	6020A		Negated at RL
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-28-0	Thallium	0.23	U	mg/Kg	Dry	0.23	77.9	5	6020A		Negated at RL
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-28-0	Thallium	0.20	U	mg/Kg	Dry	0.20	78.6	5	6020A		Negated at RL
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-28-0	Thallium	0.17	U	mg/Kg	Dry	0.17	80.3	5	6020A		Negated at RL
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-28-0	Thallium	0.21	U	mg/Kg	Dry	0.21	81.4	5	6020A		Negated at RL
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-28-0	Thallium	0.23	U	mg/Kg	Dry	0.23	80.2	5	6020A		Negated at RL
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-28-0	Thallium	0.20	U	mg/Kg	Dry	0.20	87.3	5	6020A		Negated at RL

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Re-Use Soil Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-28-0	Thallium	0.22	U	mg/Kg	Dry	0.22	85.5	5	6020A		Negated at RL
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-28-0	Thallium	0.21	U	mg/Kg	Dry	0.21	87.0	5	6020A		Negated at RL
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-28-0	Thallium	0.19	U	mg/Kg	Dry	0.19	85.6	5	6020A		Negated at RL
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-28-0	Thallium	0.22		mg/Kg	Dry	0.19	87.8	5	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-28-0	Thallium	0.21	U	mg/Kg	Dry	0.21	77.9	5	6020A		Negated at RL
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-62-2	Vanadium	12		mg/Kg	Dry	0.25	80.8	5	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-62-2	Vanadium	11		mg/Kg	Dry	0.20	80.3	5	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-62-2	Vanadium	7.9		mg/Kg	Dry	0.22	81.3	5	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-62-2	Vanadium	9.4		mg/Kg	Dry	0.25	81.7	5	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-62-2	Vanadium	9.4		mg/Kg	Dry	0.20	83.3	5	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-62-2	Vanadium	10		mg/Kg	Dry	0.23	77.9	5	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-62-2	Vanadium	9.4		mg/Kg	Dry	0.20	78.6	5	6020A		
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-62-2	Vanadium	9.1		mg/Kg	Dry	0.17	80.3	5	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-62-2	Vanadium	8.5		mg/Kg	Dry	0.21	81.4	5	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-62-2	Vanadium	9.2		mg/Kg	Dry	0.23	80.2	5	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-62-2	Vanadium	10		mg/Kg	Dry	0.20	87.3	5	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-62-2	Vanadium	23		mg/Kg	Dry	0.22	85.5	5	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-62-2	Vanadium	12		mg/Kg	Dry	0.21	87.0	5	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-62-2	Vanadium	13		mg/Kg	Dry	0.19	85.6	5	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-62-2	Vanadium	9.6		mg/Kg	Dry	0.19	87.8	5	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-62-2	Vanadium	10		mg/Kg	Dry	0.21	77.9	5	6020A		
SC-001	0406005-01	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-66-6	Zinc	140		mg/Kg	Dry	0.50	80.8	5	6020A		
SC-002	0406005-02	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-66-6	Zinc	150		mg/Kg	Dry	0.41	80.3	5	6020A		
SC-003	0406005-03	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-66-6	Zinc	120		mg/Kg	Dry	0.43	81.3	5	6020A		
SC-004	0406005-04	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-66-6	Zinc	120		mg/Kg	Dry	0.51	81.7	5	6020A		
SC-005	0406005-05	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-66-6	Zinc	100		mg/Kg	Dry	0.41	83.3	5	6020A		
SC-006	0406005-06	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-66-6	Zinc	100		mg/Kg	Dry	0.47	77.9	5	6020A		
SC-007	0406005-08	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-66-6	Zinc	88		mg/Kg	Dry	0.41	78.6	5	6020A		
SC-008	0406005-09	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-66-6	Zinc	80		mg/Kg	Dry	0.34	80.3	5	6020A		
SC-009	0406005-10	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-66-6	Zinc	77		mg/Kg	Dry	0.41	81.4	5	6020A		
SC-010	0406005-11	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-66-6	Zinc	90		mg/Kg	Dry	0.45	80.2	5	6020A		
SC-011	0406005-12	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-66-6	Zinc	100		mg/Kg	Dry	0.40	87.3	5	6020A		
SC-012	0406005-13	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-66-6	Zinc	89		mg/Kg	Dry	0.43	85.5	5	6020A		
SC-013	0406005-14	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-66-6	Zinc	83		mg/Kg	Dry	0.42	87.0	5	6020A		
SC-014	0406005-15	SO	04/22/2004	06/02/2004	06/02/2004	06/03/2004	7440-66-6	Zinc	83		mg/Kg	Dry	0.39	85.6	5	6020A		
SC-015	0406008-01	SO	04/22/2004	06/03/2004	06/03/2004	06/03/2004	7440-66-6	Zinc	79		mg/Kg	Dry	0.39	87.8	5	6020A		
SCE-006	0406005-07	SO	04/14/2004	06/02/2004	06/02/2004	06/03/2004	7440-66-6	Zinc	100		mg/Kg	Dry	0.41	77.9	5	6020A		

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LABNAME	SAMPLENAME	LABSAMPID	METHODNAME	ANALYTE	CASNUME	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum	SC-011	SA11360-01	SW846 8260B	1,1,1-Trichloroethane	71-55-6	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	1,1,2-Trichloroethane	79-00-5	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	1,1,2-Trichlorotrifluoroethane (Freon 11	76-13-1	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	1,1-Dichloroethane	75-34-3	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	1,1-Dichloroethene	75-35-4	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	1,2,4-Trichlorobenzene	120-82-1	BRL	UJ	L	6	ug/kg	Dry	1	85.3	Low LCS recovery
Spectrum	SC-011	SA11360-01	SW846 8260B	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		12	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	1,2-Dichlorobenzene	95-50-1	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	1,2-Dichloroethane	107-06-2	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	1,2-Dichloropropane	78-87-5	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	1,3-Dichlorobenzene	541-73-1	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	1,4-Dichlorobenzene	106-46-7	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	2-Butanone (MEK)	78-93-3	BRL	U		61	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	2-Hexanone (MBK)	591-78-6	BRL	U		61	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		61	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Acetone	67-64-1	BRL	U		61	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Benzene	71-43-2	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Bromodichloromethane	75-27-4	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Bromoform	75-25-2	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Bromomethane	74-83-9	BRL	U		12	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Carbon disulfide	75-15-0	BRL	U		30	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Carbon tetrachloride	56-23-5	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Chlorobenzene	108-90-7	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Chloroethane	75-00-3	BRL	U		12	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Chloroform	67-66-3	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Chloromethane	74-87-3	BRL	U		12	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	cis-1,2-Dichloroethene	156-59-2	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	cis-1,3-Dichloropropene	10061-01-5	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Cyclohexane	110-82-7	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Dibromochloromethane	124-48-1	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		12	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Ethylbenzene	100-41-4	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Isopropylbenzene	98-82-8	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	m,p-Xylene	108-38-3,	BRL	U		12	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Methyl acetate	79-20-9	BRL	UJ	L	6	ug/kg	Dry	1	85.3	Low LCS recovery
Spectrum	SC-011	SA11360-01	SW846 8260B	Methyl tert-butyl ether	1634-04-4	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Methylcyclohexane	108-87-2	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Methylene chloride	75-09-2	BRL	U		61	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	o-Xylene	95-47-6	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Styrene	100-42-5	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Tetrachloroethene	127-18-4	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Toluene	108-88-3	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	trans-1,2-Dichloroethene	156-60-5	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	trans-1,3-Dichloropropene	10061-02-6	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Trichloroethene	79-01-6	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-011	SA11360-01	SW846 8260B	Vinyl chloride	75-01-4	BRL	U		6	ug/kg	Dry	1	85.3	
Spectrum	SC-012	SA11360-03	SW846 8260B	1,1,1-Trichloroethane	71-55-6	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	1,1,2-Trichloroethane	79-00-5	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	1,1,2-Trichlorotrifluoroethane (Freon 11	76-13-1	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	1,1-Dichloroethane	75-34-3	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	1,1-Dichloroethene	75-35-4	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	1,2,4-Trichlorobenzene	120-82-1	BRL	UJ	L	5	ug/kg	Dry	1	85.6	Low LCS recovery; Low IS recovery
Spectrum	SC-012	SA11360-03	SW846 8260B	1,2-Dibromo-3-chloropropane	96-12-8	BRL	UJ	L	10	ug/kg	Dry	1	85.6	Low IS recovery
Spectrum	SC-012	SA11360-03	SW846 8260B	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	1,2-Dichlorobenzene	95-50-1	BRL	UJ	L	5	ug/kg	Dry	1	85.6	Low IS recovery
Spectrum	SC-012	SA11360-03	SW846 8260B	1,2-Dichloroethane	107-06-2	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	1,2-Dichloropropane	78-87-5	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	1,3-Dichlorobenzene	541-73-1	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	1,4-Dichlorobenzene	106-46-7	BRL	UJ	L	5	ug/kg	Dry	1	85.6	Low IS recovery

U = Non-detect at the reporting limit (RL). UJ = Non-detect is estimated. J = Result is estimated. R= Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	METHODNAME	ANALYTE	CASNUME	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum	SC-012	SA11360-03	SW846 8260B	2-Butanone (MEK)	78-93-3	BRL	U		50	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	2-Hexanone (MBK)	591-78-6	BRL	U		50	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		50	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Acetone	67-64-1	BRL	U		50	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Benzene	71-43-2	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Bromodichloromethane	75-27-4	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Bromoform	75-25-2	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Bromomethane	74-83-9	BRL	U		10	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Carbon disulfide	75-15-0	BRL	U		25	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Carbon tetrachloride	56-23-5	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Chlorobenzene	108-90-7	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Chloroethane	75-00-3	BRL	U		10	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Chloroform	67-66-3	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Chloromethane	74-87-3	BRL	U		10	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	cis-1,2-Dichloroethene	156-59-2	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	cis-1,3-Dichloropropene	10061-01-5	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Cyclohexane	110-82-7	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Dibromochloromethane	124-48-1	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		10	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Ethylbenzene	100-41-4	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Isopropylbenzene	98-82-8	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	m,p-Xylene	108-38-3	BRL	U		10	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Methyl acetate	79-20-9	BRL	UJ	L	5	ug/kg	Dry	1	85.6	Low LCS recovery
Spectrum	SC-012	SA11360-03	SW846 8260B	Methyl tert-butyl ether	1634-04-4	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Methylcyclohexane	108-87-2	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Methylene chloride	75-09-2	BRL	U		50	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	o-Xylene	95-47-6	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Styrene	100-42-5	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Tetrachloroethene	127-18-4	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Toluene	108-88-3	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	trans-1,2-Dichloroethene	156-60-5	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	trans-1,3-Dichloropropene	10061-02-6	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Trichloroethene	79-01-6	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-012	SA11360-03	SW846 8260B	Vinyl chloride	75-01-4	BRL	U		5	ug/kg	Dry	1	85.6	
Spectrum	SC-013	SA11360-05	SW846 8260B	1,1,1-Trichloroethane	71-55-6	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	1,1,2-Trichloroethane	79-00-5	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	1,1,2-Trichlorotrifluoroethane (Freon 11	76-13-1	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	1,1-Dichloroethane	75-34-3	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	1,1-Dichloroethene	75-35-4	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	1,2,4-Trichlorobenzene	120-82-1	BRL	UJ	L	5	ug/kg	Dry	1	84.9	Low LCS recovery; Low IS recovery
Spectrum	SC-013	SA11360-05	SW846 8260B	1,2-Dibromo-3-chloropropane	96-12-8	BRL	UJ	L	10	ug/kg	Dry	1	84.9	Low IS recovery
Spectrum	SC-013	SA11360-05	SW846 8260B	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	1,2-Dichlorobenzene	95-50-1	BRL	UJ	L	5	ug/kg	Dry	1	84.9	Low IS recovery
Spectrum	SC-013	SA11360-05	SW846 8260B	1,2-Dichloroethane	107-06-2	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	1,2-Dichloropropane	78-87-5	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	1,3-Dichlorobenzene	541-73-1	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	1,4-Dichlorobenzene	106-46-7	BRL	UJ	L	5	ug/kg	Dry	1	84.9	Low IS recovery
Spectrum	SC-013	SA11360-05	SW846 8260B	2-Butanone (MEK)	78-93-3	BRL	U		50	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	2-Hexanone (MBK)	591-78-6	BRL	U		50	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		50	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Acetone	67-64-1	BRL	U		50	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Benzene	71-43-2	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Bromodichloromethane	75-27-4	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Bromoform	75-25-2	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Bromomethane	74-83-9	BRL	U		10	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Carbon disulfide	75-15-0	BRL	U		25	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Carbon tetrachloride	56-23-5	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Chlorobenzene	108-90-7	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Chloroethane	75-00-3	BRL	U		10	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Chloroform	67-66-3	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Chloromethane	74-87-3	BRL	U		10	ug/kg	Dry	1	84.9	

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	METHODNAME	ANALYTE	CASNUMB	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DILU	PSOLIDS	DV_Comment
Spectrum	SC-013	SA11360-05	SW846 8260B	cis-1,2-Dichloroethene	156-59-2	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	cis-1,3-Dichloropropene	10061-01-5	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Cyclohexane	110-82-7	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Dibromochloromethane	124-48-1	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		10	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Ethylbenzene	100-41-4	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Isopropylbenzene	98-82-8	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	m,p-Xylene	108-38-3,	BRL	U		10	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Methyl acetate	79-20-9	BRL	UJ	L	5	ug/kg	Dry	1	84.9	Low LCS recovery
Spectrum	SC-013	SA11360-05	SW846 8260B	Methyl tert-butyl ether	1634-04-4	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Methylcyclohexane	108-87-2	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Methylene chloride	75-09-2	BRL	U		50	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	o-Xylene	95-47-6	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Styrene	100-42-5	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Tetrachloroethane	127-18-4	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Toluene	108-88-3	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	trans-1,2-Dichloroethene	156-60-5	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	trans-1,3-Dichloropropene	10061-02-6	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Trichloroethene	79-01-6	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-013	SA11360-05	SW846 8260B	Vinyl chloride	75-01-4	BRL	U		5	ug/kg	Dry	1	84.9	
Spectrum	SC-014	SA11360-07	SW846 8260B	1,1,1-Trichloroethane	71-55-6	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	1,1,2-Trichloroethane	79-00-5	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	1,1,2-Trichlorotrifluoroethane (Freon 11	76-13-1	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	1,1-Dichloroethane	75-34-3	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	1,1-Dichloroethene	75-35-4	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	1,2,4-Trichlorobenzene	120-82-1	BRL	UJ	L	5	ug/kg	Dry	1	84.7	Low LCS recovery
Spectrum	SC-014	SA11360-07	SW846 8260B	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		10	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	1,2-Dichlorobenzene	95-50-1	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	1,2-Dichloroethane	107-06-2	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	1,2-Dichloropropane	78-87-5	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	1,3-Dichlorobenzene	541-73-1	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	1,4-Dichlorobenzene	106-46-7	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	2-Butanone (MEK)	78-93-3	BRL	U		51	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	2-Hexanone (MBK)	591-78-6	BRL	U		51	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		51	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Acetone	67-64-1	BRL	U		51	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Benzene	71-43-2	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Bromodichloromethane	75-27-4	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Bromoform	75-25-2	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Bromomethane	74-83-9	BRL	U		10	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Carbon disulfide	75-15-0	BRL	U		26	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Carbon tetrachloride	56-23-5	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Chlorobenzene	108-90-7	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Chloroethane	75-00-3	BRL	U		10	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Chloroform	67-66-3	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Chloromethane	74-87-3	BRL	U		10	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	cis-1,2-Dichloroethene	156-59-2	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	cis-1,3-Dichloropropene	10061-01-5	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Cyclohexane	110-82-7	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Dibromochloromethane	124-48-1	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		10	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Ethylbenzene	100-41-4	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Isopropylbenzene	98-82-8	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	m,p-Xylene	108-38-3	BRL	U		10	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Methyl acetate	79-20-9	BRL	UJ	L	5	ug/kg	Dry	1	84.7	Low LCS recovery
Spectrum	SC-014	SA11360-07	SW846 8260B	Methyl tert-butyl ether	1634-04-4	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Methylcyclohexane	108-87-2	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Methylene chloride	75-09-2	BRL	U		51	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	o-Xylene	95-47-6	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Styrene	100-42-5	BRL	U		5	ug/kg	Dry	1	84.7	

U = Non-detect at the reporting limit (RL). UJ = Non-detect is estimated. J = Result is estimated. R= Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	METHODNAME	ANALYTE	CASNUME	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DILI	PSOLIDS	DV_Comment
Spectrum	SC-014	SA11360-07	SW846 8260B	Tetrachloroethene	127-18-4	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Toluene	108-88-3	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	trans-1,2-Dichloroethene	156-60-5	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	trans-1,3-Dichloropropene	10061-02-6	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Trichloroethene	79-01-6	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-014	SA11360-07	SW846 8260B	Vinyl chloride	75-01-4	BRL	U		5	ug/kg	Dry	1	84.7	
Spectrum	SC-015	SA11360-09	SW846 8260B	1,1,1-Trichloroethane	71-55-6	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	1,1,2-Trichloroethane	79-00-5	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	1,1,2-Trichlorotrifluoroethane (Freon 11	76-13-1	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	1,1-Dichloroethane	75-34-3	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	1,1-Dichloroethene	75-35-4	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	1,2,4-Trichlorobenzene	120-82-1	BRL	UJ	L	4	ug/kg	Dry	1	87.3	Low LCS recovery
Spectrum	SC-015	SA11360-09	SW846 8260B	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		8	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	1,2-Dichlorobenzene	95-50-1	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	1,2-Dichloroethane	107-06-2	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	1,2-Dichloropropane	78-87-5	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	1,3-Dichlorobenzene	541-73-1	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	1,4-Dichlorobenzene	106-46-7	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	2-Butanone (MEK)	78-93-3	BRL	U		36	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	2-Hexanone (MBK)	591-78-6	BRL	U		36	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		36	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Acetone	67-64-1	BRL	U		36	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Benzene	71-43-2	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Bromodichloromethane	75-27-4	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Bromoform	75-25-2	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Bromomethane	74-83-9	BRL	U		8	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Carbon disulfide	75-15-0	BRL	U		19	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Carbon tetrachloride	56-23-5	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Chlorobenzene	108-90-7	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Chloroethane	75-00-3	BRL	U		8	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Chloroform	67-66-3	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Chloromethane	74-87-3	BRL	U		8	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	cis-1,2-Dichloroethene	156-59-2	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	cis-1,3-Dichloropropene	10061-01-5	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Cyclohexane	110-82-7	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Dibromochloromethane	124-48-1	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		8	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Ethylbenzene	100-41-4	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Isopropylbenzene	98-82-8	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	m,p-Xylene	108-38-3	BRL	U		8	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Methyl acetate	79-20-9	BRL	UJ	L	4	ug/kg	Dry	1	87.3	Low LCS recovery
Spectrum	SC-015	SA11360-09	SW846 8260B	Methyl tert-butyl ether	1634-04-4	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Methylcyclohexane	108-87-2	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Methylene chloride	75-09-2	BRL	U		36	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	o-Xylene	95-47-6	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Styrene	100-42-5	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Tetrachloroethene	127-18-4	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Toluene	108-88-3	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	trans-1,2-Dichloroethene	156-60-5	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	trans-1,3-Dichloropropene	10061-02-6	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Trichloroethene	79-01-6	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	SC-015	SA11360-09	SW846 8260B	Vinyl chloride	75-01-4	BRL	U		4	ug/kg	Dry	1	87.3	
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,1,1,2-Tetrachloroethane	630-20-6	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,1,1-Trichloroethane	71-55-6	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,1,2-Trichloroethane	79-00-5	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,1,2-Trichlorotrifluoroethane (Freon 11	76-13-1	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,1-Dichloroethane	75-34-3	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,1-Dichloroethene	75-35-4	BRL	U		1	ug/l	Wet	1		

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	METHODNAME	ANALYTE	CASNUME	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,1-Dichloropropene	563-58-6	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,2,3-Trichlorobenzene	87-61-6	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,2,3-Trichloropropane	96-18-4	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,2,4-Trichlorobenzene	120-82-1	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,2,4-Trimethylbenzene	95-63-6	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		2	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,2-Dichlorobenzene	95-50-1	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,2-Dichloroethane	107-06-2	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,2-Dichloropropane	78-87-5	1.2			1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,3,5-Trimethylbenzene	108-67-8	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,3-Dichlorobenzene	541-73-1	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,3-Dichloropropane	142-28-9	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	1,4-Dichlorobenzene	106-46-7	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	2,2-Dichloropropane	594-20-7	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	2-Butanone (MEK)	78-93-3	BRL	U		10	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	2-Chlorotoluene	95-49-8	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	2-Hexanone (MBK)	591-78-6	BRL	U		10	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	4-Chlorotoluene	106-43-4	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	4-Isopropyltoluene	99-87-6	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		10	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Acetone	67-64-1	BRL	U		20	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Acrylonitrile	107-13-1	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Benzene	71-43-2	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Bromobenzene	108-86-1	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Bromochloromethane	74-97-5	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Bromodichloromethane	75-27-4	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Bromoform	75-25-2	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Bromomethane	74-83-9	BRL	U		2	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Carbon disulfide	75-15-0	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Carbon tetrachloride	56-23-5	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Chlorobenzene	108-90-7	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Chloroethane	75-00-3	BRL	U		2	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Chloroform	67-66-3	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Chloromethane	74-87-3	BRL	U		2	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	cis-1,2-Dichloroethene	156-59-2	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	cis-1,3-Dichloropropene	10061-01-5	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Cyclohexane	110-82-7	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Dibromochloromethane	124-48-1	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Dibromomethane	74-95-3	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		2	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Ethylbenzene	100-41-4	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Hexachlorobutadiene	87-68-3	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Isopropylbenzene	98-82-8	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	m,p-Xylene	108-38-3	BRL	U		2	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Methyl acetate	79-20-9	BRL	U		10	ug/l	Wet	1		RL raised
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Methyl tert-butyl ether	1634-04-4	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Methylcyclohexane	108-87-2	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Methylene chloride	75-09-2	BRL	U		10	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	n-Butylbenzene	104-51-8	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	n-Propylbenzene	103-65-1	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Naphthalene	91-20-3	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	o-Xylene	95-47-6	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	sec-Butylbenzene	135-98-8	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Styrene	100-42-5	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	tert-Butylbenzene	98-06-6	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Tetrachloroethene	127-18-4	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Toluene	108-88-3	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	trans-1,2-Dichloroethene	156-60-5	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	trans-1,3-Dichloropropene	10061-02-6	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Trichloroethene	79-01-6	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		1	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11RE1	SW846 8260B	Vinyl chloride	75-01-4	BRL	U		1	ug/l	Wet	1		

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	METHODNAME	ANALYTE	CASNUMB	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	1,1,1-Trichloroethane	71-55-6	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	1,1,2,2-Tetrachloroethane	79-34-5	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	1,1,2-Trichloroethane	79-00-5	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	1,1,2-Trichlorotrifluoroethane (Freon 11	76-13-1	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	1,1-Dichloroethane	75-34-3	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	1,1-Dichloroethene	75-35-4	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	1,2,4-Trichlorobenzene	120-82-1	BRL	UJ	L	5	ug/kg	Dry	1		Low LCS recovery
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	1,2-Dibromo-3-chloropropane	96-12-8	BRL	U		10	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	1,2-Dibromoethane (EDB)	106-93-4	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	1,2-Dichlorobenzene	95-50-1	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	1,2-Dichloroethane	107-06-2	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	1,2-Dichloropropane	78-87-5	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	1,3-Dichlorobenzene	541-73-1	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	1,4-Dichlorobenzene	106-46-7	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	2-Butanone (MEK)	78-93-3	BRL	U		50	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	2-Hexanone (MBK)	591-78-6	BRL	U		50	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		50	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Acetone	67-64-1	BRL	U		50	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Benzene	71-43-2	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Bromodichloromethane	75-27-4	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Bromoform	75-25-2	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Bromomethane	74-83-9	BRL	U		10	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Carbon disulfide	75-15-0	BRL	U		25	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Carbon tetrachloride	56-23-5	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Chlorobenzene	108-90-7	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Chloroethane	75-00-3	BRL	U		10	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Chloroform	67-66-3	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Chloromethane	74-87-3	BRL	U		10	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	cis-1,2-Dichloroethene	156-59-2	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	cis-1,3-Dichloropropene	10061-01-5	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Cyclohexane	110-82-7	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Dibromochloromethane	124-48-1	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Dichlorodifluoromethane (Freon12)	75-71-8	BRL	U		10	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Ethylbenzene	100-41-4	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Isopropylbenzene	98-82-8	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	m,p-Xylene	108-38-3,	BRL	U		10	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Methyl acetate	79-20-9	BRL	UJ	L	5	ug/kg	Dry	1		Low LCS recovery
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Methyl tert-butyl ether	1634-04-4	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Methylcyclohexane	108-87-2	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Methylene chloride	75-09-2	BRL	U		50	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	o-Xylene	95-47-6	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Styrene	100-42-5	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Tetrachloroethene	127-18-4	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Toluene	108-88-3	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	trans-1,2-Dichloroethene	156-60-5	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	trans-1,3-Dichloropropene	10061-02-6	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Trichloroethene	79-01-6	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Trichlorofluoromethane (Freon 11)	75-69-4	BRL	U		5	ug/kg	Dry	1		
Spectrum	TB-042204-1	SA11360-13	SW846 8260B	Vinyl chloride	75-01-4	BRL	U		5	ug/kg	Dry	1		
Spectrum	SC-011	SA11360-02	SW846 8270C	1,1'-Biphenyl	92-52-4	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	2,4,5-Trichlorophenol	95-95-4	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	2,4,6-Trichlorophenol	88-06-2	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	2,4-Dichlorophenol	120-83-2	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	2,4-Dimethylphenol	105-67-9	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	2,4-Dinitrophenol	51-28-5	BRL	U		570	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	2,4-Dinitrotoluene	121-14-2	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	2,6-Dinitrotoluene	606-20-2	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	2-Chloronaphthalene	91-58-7	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	2-Chlorophenol	95-57-8	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	2-Methylnaphthalene	91-57-6	BRL	U		29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-011	SA11360-02	SW846 8270C	2-Methylphenol	95-48-7	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	2-Nitroaniline	88-74-4	BRL	U		570	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	2-Nitrophenol	88-75-5	BRL	U		140	ug/kg	Dry	1	86.8	RL raised

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LABNAME	SAMPLENAME	LABSAMPID	METHODNAME	ANALYTE	CASNUME	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DILU	PSOLIDS	DV_Comment
Spectrum	SC-011	SA11360-02	SW846 8270C	3,3'-Dichlorobenzidine	91-94-1	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	3-Nitroaniline	99-09-2	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	4,6-Dinitro-2-methylphenol	534-52-1	BRL	U		570	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	4-Bromophenyl phenyl ether	101-55-3	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	4-Chloro-3-methylphenol	59-50-7	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	4-Chloroaniline	106-47-8	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	4-Chlorophenyl phenyl ether	7005-72-3	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	4-Methylphenol	106-44-5	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	4-Nitroaniline	100-01-6	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	4-Nitrophenol	100-02-7	BRL	U		570	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Acenaphthene	83-32-9	BRL	U		29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-011	SA11360-02	SW846 8270C	Acenaphthylene	208-96-8	BRL	U		57	ug/kg	Dry	1	86.8	
Spectrum	SC-011	SA11360-02	SW846 8270C	Acetophenone	98-86-2	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Anthracene	120-12-7	BRL	U		57	ug/kg	Dry	1	86.8	
Spectrum	SC-011	SA11360-02	SW846 8270C	Atrazine	1912-24-9	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Benzaldehyde	100-52-7	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Benzo (a) anthracene	56-55-3	140			29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-011	SA11360-02	SW846 8270C	Benzo (a) pyrene	50-32-8	124			29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-011	SA11360-02	SW846 8270C	Benzo (b) fluoranthene	205-99-2	84.4			29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-011	SA11360-02	SW846 8270C	Benzo (g,h,i) perylene	191-24-2	62.9			29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-011	SA11360-02	SW846 8270C	Benzo (k) fluoranthene	207-08-9	102			29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-011	SA11360-02	SW846 8270C	Bis(2-chloroethoxy)methane	111-91-1	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Bis(2-chloroethyl)ether	111-44-4	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Butyl benzyl phthalate	85-68-7	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Caprolactam	105-60-2	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Carbazole	86-74-8	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Chrysene	218-01-9	148			29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-011	SA11360-02	SW846 8270C	Di-n-butyl phthalate	84-74-2	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Di-n-octyl phthalate	117-84-0	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Dibenzo (a,h) anthracene	53-70-3	BRL	U		29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-011	SA11360-02	SW846 8270C	Dibenzofuran	132-64-9	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Diethyl phthalate	84-66-2	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Dimethyl phthalate	131-11-3	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Fluoranthene	206-44-0	286			29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-011	SA11360-02	SW846 8270C	Fluorene	86-73-7	BRL	U		29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-011	SA11360-02	SW846 8270C	Hexachlorobenzene	118-74-1	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Hexachlorobutadiene	87-68-3	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Hexachlorocyclopentadiene	77-47-4	BRL	U		570	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Hexachloroethane	67-72-1	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Indeno (1,2,3-cd) pyrene	193-39-5	58.0			29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-011	SA11360-02	SW846 8270C	Isophorone	78-59-1	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	N-Nitrosodi-n-propylamine	621-64-7	BRL	U		29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-011	SA11360-02	SW846 8270C	N-Nitrosodiphenylamine	86-30-6	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Naphthalene	91-20-3	BRL	U		29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-011	SA11360-02	SW846 8270C	Nitrobenzene	98-95-3	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Pentachlorophenol	87-86-5	BRL	U		570	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Phenanthrene	85-01-8	167			29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-011	SA11360-02	SW846 8270C	Phenol	108-95-2	BRL	U		140	ug/kg	Dry	1	86.8	RL raised
Spectrum	SC-011	SA11360-02	SW846 8270C	Pyrene	129-00-0	189			29	ug/kg	Dry	1	86.8	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	1,1'-Biphenyl	92-52-4	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	2,4,5-Trichlorophenol	95-95-4	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	2,4,6-Trichlorophenol	88-06-2	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	2,4-Dichlorophenol	120-83-2	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	2,4-Dimethylphenol	105-67-9	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	2,4-Dinitrophenol	51-28-5	BRL	U		580	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	2,4-Dinitrotoluene	121-14-2	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	2,6-Dinitrotoluene	606-20-2	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	2-Chloronaphthalene	91-58-7	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	2-Chlorophenol	95-57-8	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	2-Methylnaphthalene	91-57-6	BRL	U		29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	2-Methylphenol	95-48-7	BRL	U		140	ug/kg	Dry	1	86.2	RL raised

U = Non-detect at the reporting limit (RL). UJ = Non-detect is estimated. J = Result is estimated. R= Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	METHODNAME	ANALYTE	CASNUME	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum	SC-012	SA11360-04	SW846 8270C	2-Nitroaniline	88-74-4	BRL	U		580	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	2-Nitrophenol	88-75-5	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	3,3'-Dichlorobenzidine	91-94-1	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	3-Nitroaniline	99-09-2	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	4,6-Dinitro-2-methylphenol	534-52-1	BRL	U		580	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	4-Bromophenyl phenyl ether	101-55-3	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	4-Chloro-3-methylphenol	59-50-7	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	4-Chloroaniline	106-47-8	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	4-Chlorophenyl phenyl ether	7005-72-3	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	4-Methylphenol	106-44-5	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	4-Nitroaniline	100-01-6	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	4-Nitrophenol	100-02-7	BRL	U		580	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Acenaphthene	83-32-9	BRL	U		29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	Acenaphthylene	208-96-8	BRL	U		58	ug/kg	Dry	1	86.2	
Spectrum	SC-012	SA11360-04	SW846 8270C	Acetophenone	98-86-2	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Anthracene	120-12-7	75.7			29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	Atrazine	1912-24-9	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Benzaldehyde	100-52-7	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Benzo (a) anthracene	56-55-3	543			29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	Benzo (a) pyrene	50-32-8	547			29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	Benzo (b) fluoranthene	205-99-2	442			29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	Benzo (g,h,i) perylene	191-24-2	261			29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	Benzo (k) fluoranthene	207-08-9	451			29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	Bis(2-chloroethoxy)methane	111-91-1	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Bis(2-chloroethyl)ether	111-44-4	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Butyl benzyl phthalate	85-68-7	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Caprolactam	105-60-2	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Carbazole	86-74-8	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Chrysene	218-01-9	546			29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	Di-n-butyl phthalate	84-74-2	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Di-n-octyl phthalate	117-84-0	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Dibenzo (a,h) anthracene	53-70-3	BRL	U		29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	Dibenzofuran	132-64-9	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Diethyl phthalate	84-66-2	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Dimethyl phthalate	131-11-3	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Fluoranthene	206-44-0	761			29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	Fluorene	86-73-7	BRL	U		29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	Hexachlorobenzene	118-74-1	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Hexachlorobutadiene	87-68-3	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Hexachlorocyclopentadiene	77-47-4	BRL	U		580	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Hexachloroethane	67-72-1	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Indeno (1,2,3-cd)-pyrene	193-39-5	268			29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	Isophorone	78-59-1	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	N-Nitrosodi-n-propylamine	621-64-7	BRL	U		29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	N-Nitrosodiphenylamine	86-30-6	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Naphthalene	91-20-3	BRL	U		29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	Nitrobenzene	98-95-3	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Pentachlorophenol	87-86-5	BRL	U		580	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Phenanthrene	85-01-8	229			29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-012	SA11360-04	SW846 8270C	Phenol	108-95-2	BRL	U		140	ug/kg	Dry	1	86.2	RL raised
Spectrum	SC-012	SA11360-04	SW846 8270C	Pyrene	129-00-0	470			29	ug/kg	Dry	1	86.2	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	1,1'-Biphenyl	92-52-4	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	2,4,5-Trichlorophenol	95-95-4	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	2,4,6-Trichlorophenol	88-06-2	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	2,4-Dichlorophenol	120-83-2	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	2,4-Dimethylphenol	105-67-9	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	2,4-Dinitrophenol	51-28-5	BRL	U		570	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	2,4-Dinitrotoluene	121-14-2	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	2,6-Dinitrotoluene	606-20-2	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	2-Chloronaphthalene	91-58-7	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	2-Chlorophenol	95-57-8	BRL	U		140	ug/kg	Dry	1	86.7	RL raised

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LABNAME	SAMPLENAME	LABSAMPID	METHODNAME	ANALYTE	CASNUME	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum	SC-013	SA11360-06	SW846 8270C	2-Methylnaphthalene	91-57-6	BRL	U		28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	2-Methylphenol	95-48-7	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	2-Nitroaniline	88-74-4	BRL	U		570	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	2-Nitrophenol	88-75-5	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	3,3'-Dichlorobenzidine	91-94-1	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	3-Nitroaniline	99-09-2	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	4,6-Dinitro-2-methylphenol	534-52-1	BRL	U		570	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	4-Bromophenyl phenyl ether	101-55-3	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	4-Chloro-3-methylphenol	59-50-7	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	4-Chloroaniline	106-47-8	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	4-Chlorophenyl phenyl ether	7005-72-3	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	4-Methylphenol	106-44-5	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	4-Nitroaniline	100-01-6	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	4-Nitrophenol	100-02-7	BRL	U		570	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Acenaphthene	83-32-9	128			28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	Acenaphthylene	208-96-8	BRL	U		57	ug/kg	Dry	1	86.7	
Spectrum	SC-013	SA11360-06	SW846 8270C	Acetophenone	98-86-2	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Anthracene	120-12-7	284			28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	Atrazine	1912-24-9	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Benzaldehyde	100-52-7	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Benzo (a) anthracene	56-55-3	536			28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	Benzo (a) pyrene	50-32-8	449			28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	Benzo (b) fluoranthene	205-99-2	956			28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	Benzo (g,h,i) perylene	191-24-2	219			28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	Benzo (k) fluoranthene	207-08-9	366			28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	Bis(2-chloroethoxy)methane	111-91-1	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Bis(2-chloroethyl)ether	111-44-4	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Butyl benzyl phthalate	85-68-7	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Caprolactam	105-60-2	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Carbazole	86-74-8	119	J	I	140	ug/kg	Dry	1	86.7	RL raised; Uncertain due to reporting below the calibration rang
Spectrum	SC-013	SA11360-06	SW846 8270C	Chrysene	218-01-9	509			28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	Di-n-butyl phthalate	84-74-2	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Di-n-octyl phthalate	117-84-0	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Dibenzo (a,h) anthracene	53-70-3	BRL	U		28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	Dibenzofuran	132-64-9	62.3	J	I	140	ug/kg	Dry	1	86.7	RL raised; Uncertain due to reporting below the calibration rang
Spectrum	SC-013	SA11360-06	SW846 8270C	Diethyl phthalate	84-66-2	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Dimethyl phthalate	131-11-3	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Fluoranthene	206-44-0	1950			28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	Fluorene	86-73-7	121			28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	Hexachlorobenzene	118-74-1	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Hexachlorobutadiene	87-68-3	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Hexachlorocyclopentadiene	77-47-4	BRL	U		570	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Hexachloroethane	67-72-1	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Indeno (1,2,3-cd) pyrene	193-39-5	210			28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	Isophorone	78-59-1	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	N-Nitrosodi-n-propylamine	621-64-7	BRL	U		28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	N-Nitrosodiphenylamine	86-30-6	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Naphthalene	91-20-3	BRL	U		28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	Nitrobenzene	98-95-3	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Pentachlorophenol	87-86-5	BRL	U		570	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Phenanthrene	85-01-8	609			28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-013	SA11360-06	SW846 8270C	Phenol	108-95-2	BRL	U		140	ug/kg	Dry	1	86.7	RL raised
Spectrum	SC-013	SA11360-06	SW846 8270C	Pyrene	129-00-0	823			28	ug/kg	Dry	1	86.7	RL lowered
Spectrum	SC-014	SA11360-08	SW846 8270C	1,1'-Biphenyl	92-52-4	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	2,4,5-Trichlorophenol	95-95-4	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	2,4,6-Trichlorophenol	88-06-2	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	2,4-Dichlorophenol	120-83-2	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	2,4-Dimethylphenol	105-67-9	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	2,4-Dinitrophenol	51-28-5	BRL	U		580	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	2,4-Dinitrotoluene	121-14-2	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	2,6-Dinitrotoluene	606-20-2	BRL	U		140	ug/kg	Dry	1	85.8	RL raised

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LABNAME	SAMPLENAME	LABSAMPID	METHODNAME	ANALYTE	CASNUME	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DILU	PSOLIDS	DV_Comment
Spectrum	SC-014	SA11360-08	SW846 8270C	2-Chloronaphthalene	91-58-7	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	2-Chlorophenol	95-57-8	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	2-Methylnaphthalene	91-57-6	BRL	U		29	ug/kg	Dry	1	85.8	RL lowered
Spectrum	SC-014	SA11360-08	SW846 8270C	2-Methylphenol	95-48-7	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	2-Nitroaniline	88-74-4	BRL	U		580	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	2-Nitrophenol	88-75-5	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	3,3'-Dichlorobenzidine	91-94-1	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	3-Nitroaniline	99-09-2	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	4,6-Dinitro-2-methylphenol	534-52-1	BRL	U		580	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	4-Bromophenyl phenyl ether	101-55-3	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	4-Chloro-3-methylphenol	59-50-7	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	4-Chloroaniline	106-47-8	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	4-Chlorophenyl phenyl ether	7005-72-3	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	4-Methylphenol	106-44-5	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	4-Nitroaniline	100-01-6	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	4-Nitrophenol	100-02-7	BRL	U		580	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Acenaphthene	83-32-9	BRL	U		58	ug/kg	Dry	1	85.8	
Spectrum	SC-014	SA11360-08	SW846 8270C	Acenaphthylene	208-96-8	BRL	U		58	ug/kg	Dry	1	85.8	
Spectrum	SC-014	SA11360-08	SW846 8270C	Acetophenone	98-86-2	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Anthracene	120-12-7	79.0			29	ug/kg	Dry	1	85.8	RL lowered
Spectrum	SC-014	SA11360-08	SW846 8270C	Atrazine	1912-24-9	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Benzaldehyde	100-52-7	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Benzo (a) anthracene	56-55-3	158			29	ug/kg	Dry	1	85.8	RL lowered
Spectrum	SC-014	SA11360-08	SW846 8270C	Benzo (a) pyrene	50-32-8	137			29	ug/kg	Dry	1	85.8	RL lowered
Spectrum	SC-014	SA11360-08	SW846 8270C	Benzo (b) fluoranthene	205-99-2	114			29	ug/kg	Dry	1	85.8	RL lowered
Spectrum	SC-014	SA11360-08	SW846 8270C	Benzo (g,h,i) perylene	191-24-2	67.7			29	ug/kg	Dry	1	85.8	RL lowered
Spectrum	SC-014	SA11360-08	SW846 8270C	Benzo (k) fluoranthene	207-08-9	104			29	ug/kg	Dry	1	85.8	RL lowered
Spectrum	SC-014	SA11360-08	SW846 8270C	Bis(2-chloroethoxy)methane	111-91-1	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Bis(2-chloroethyl)ether	111-44-4	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Butyl benzyl phthalate	85-68-7	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Caprolactam	105-60-2	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Carbazole	86-74-8	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Chrysene	218-01-9	153			29	ug/kg	Dry	1	85.8	RL lowered
Spectrum	SC-014	SA11360-08	SW846 8270C	Di-n-butyl phthalate	84-74-2	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Di-n-octyl phthalate	117-84-0	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Dibenzo (a,h) anthracene	53-70-3	BRL	U		29	ug/kg	Dry	1	85.8	RL lowered
Spectrum	SC-014	SA11360-08	SW846 8270C	Dibenzofuran	132-64-9	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Diethyl phthalate	84-66-2	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Dimethyl phthalate	131-11-3	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Fluoranthene	206-44-0	367			29	ug/kg	Dry	1	85.8	RL lowered
Spectrum	SC-014	SA11360-08	SW846 8270C	Fluorene	86-73-7	BRL	U		58	ug/kg	Dry	1	85.8	
Spectrum	SC-014	SA11360-08	SW846 8270C	Hexachlorobenzene	118-74-1	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Hexachlorobutadiene	87-68-3	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Hexachlorocyclopentadiene	77-47-4	BRL	U		580	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Hexachloroethane	67-72-1	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Indeno (1,2,3-cd) pyrene	193-39-5	68.3			29	ug/kg	Dry	1	85.8	RL lowered
Spectrum	SC-014	SA11360-08	SW846 8270C	Isophorone	78-59-1	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	N-Nitrosodi-n-propylamine	621-64-7	BRL	U		29	ug/kg	Dry	1	85.8	RL lowered
Spectrum	SC-014	SA11360-08	SW846 8270C	N-Nitrosodiphenylamine	86-30-6	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Naphthalene	91-20-3	BRL	U		29	ug/kg	Dry	1	85.8	RL lowered
Spectrum	SC-014	SA11360-08	SW846 8270C	Nitrobenzene	98-95-3	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Pentachlorophenol	87-86-5	BRL	U		580	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Phenanthrene	85-01-8	227			29	ug/kg	Dry	1	85.8	RL lowered
Spectrum	SC-014	SA11360-08	SW846 8270C	Phenol	108-95-2	BRL	U		140	ug/kg	Dry	1	85.8	RL raised
Spectrum	SC-014	SA11360-08	SW846 8270C	Pyrene	129-00-0	233			29	ug/kg	Dry	1	85.8	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	1,1'-Biphenyl	92-52-4	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	2,4,5-Trichlorophenol	95-95-4	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	2,4,6-Trichlorophenol	88-06-2	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	2,4-Dichlorophenol	120-83-2	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	2,4-Dimethylphenol	105-67-9	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	2,4-Dinitrophenol	51-28-5	BRL	U		580	ug/kg	Dry	1	87.7	RL raised

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	METHODNAME	ANALYTE	CASNUME	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum	SC-015	SA11360-10	SW846 8270C	2,4-Dinitrotoluene	121-14-2	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	2,6-Dinitrotoluene	606-20-2	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	2-Chloronaphthalene	91-58-7	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	2-Chlorophenol	95-57-8	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	2-Methylnaphthalene	91-57-6	BRL	U		28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	2-Methylphenol	95-48-7	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	2-Nitroaniline	88-74-4	BRL	U		560	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	2-Nitrophenol	88-75-5	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	3,3'-Dichlorobenzidine	91-94-1	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	3-Nitroaniline	99-09-2	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	4,6-Dinitro-2-methylphenol	534-52-1	BRL	U		560	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	4-Bromophenyl phenyl ether	101-55-3	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	4-Chloro-3-methylphenol	59-50-7	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	4-Chloroaniline	106-47-8	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	4-Chlorophenyl phenyl ether	7005-72-3	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	4-Methylphenol	106-44-5	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	4-Nitroaniline	100-01-6	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	4-Nitrophenol	100-02-7	BRL	U		560	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Acenaphthene	83-32-9	79.6			28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	Acenaphthylene	208-96-8	58.9			28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	Acetophenone	98-86-2	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Anthracene	120-12-7	197			28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	Atrazine	1912-24-9	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Benzaldehyde	100-52-7	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Benzo (a) anthracene	56-55-3	407			28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	Benzo (a) pyrene	50-32-8	333			28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	Benzo (b) fluoranthene	205-99-2	280			28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	Benzo (g,h,i) perylene	191-24-2	158			28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	Benzo (k) fluoranthene	207-08-9	249			28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	Bis(2-chloroethoxy)methane	111-91-1	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Bis(2-chloroethyl)ether	111-44-4	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Butyl benzyl phthalate	85-68-7	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Caprolactam	105-60-2	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Carbazole	86-74-8	98.7	J	I	140	ug/kg	Dry	1	87.7	RL raised; Uncertain due to reporting below the calibration rang
Spectrum	SC-015	SA11360-10	SW846 8270C	Chrysene	218-01-9	372			28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	Di-n-butyl phthalate	84-74-2	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Di-n-octyl phthalate	117-84-0	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Dibenzo (a,h) anthracene	53-70-3	BRL	U		28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	Dibenzofuran	132-64-9	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Diethyl phthalate	84-66-2	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Dimethyl phthalate	131-11-3	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Fluoranthene	206-44-0	1020			28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	Fluorene	86-73-7	93.6			28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	Hexachlorobenzene	118-74-1	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Hexachlorobutadiene	87-68-3	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Hexachlorocyclopentadiene	77-47-4	BRL	U		560	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Hexachloroethane	67-72-1	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Indeno (1,2,3-cd) pyrene	193-39-5	154			28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	Isophorone	78-59-1	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	N-Nitrosodi-n-propylamine	621-64-7	BRL	U		28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	N-Nitrosodiphenylamine	86-30-6	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Naphthalene	91-20-3	BRL	U		28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	Nitrobenzene	98-95-3	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Pentachlorophenol	87-86-5	BRL	U		560	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Phenanthrene	85-01-8	629			28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	SC-015	SA11360-10	SW846 8270C	Phenol	108-95-2	BRL	U		140	ug/kg	Dry	1	87.7	RL raised
Spectrum	SC-015	SA11360-10	SW846 8270C	Pyrene	129-00-0	631			28	ug/kg	Dry	1	87.7	RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	1,1'-Biphenyl	92-52-4	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	2,4,5-Trichlorophenol	95-95-4	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	2,4,6-Trichlorophenol	88-06-2	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	2,4-Dichlorophenol	120-83-2	BRL	U		5	ug/l	Wet	1		

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

LABNAME	SAMPLENAME	LABSAMPID	METHODNAME	ANALYTE	CASNUME	RESULT	DV_Qual	Bias	DV_RL	UNITS	BASIS	DIL	PSOLIDS	DV_Comment
Spectrum	RB-002	SA11360-11	SW846 8270C	2,4-Dimethylphenol	105-67-9	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	2,4-Dinitrophenol	51-28-5	BRL	U		22	ug/l	Wet	1		RL raised
Spectrum	RB-002	SA11360-11	SW846 8270C	2,4-Dinitrotoluene	121-14-2	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	2,6-Dinitrotoluene	606-20-2	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	2-Chloronaphthalene	91-58-7	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	2-Chlorophenol	95-57-8	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	2-Methylnaphthalene	91-57-6	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	2-Methylphenol	95-48-7	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	2-Nitroaniline	88-74-4	BRL	U		22	ug/l	Wet	1		RL raised
Spectrum	RB-002	SA11360-11	SW846 8270C	2-Nitrophenol	88-75-5	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	3,3'-Dichlorobenzidine	91-94-1	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	3-Nitroaniline	99-09-2	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	4,6-Dinitro-2-methylphenol	534-52-1	BRL	U		22	ug/l	Wet	1		RL raised
Spectrum	RB-002	SA11360-11	SW846 8270C	4-Bromophenyl phenyl ether	101-55-3	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	4-Chloro-3-methylphenol	59-50-7	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	4-Chloroaniline	106-47-8	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	4-Chlorophenyl phenyl ether	7005-72-3	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	4-Methylphenol	106-44-5	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	4-Nitroaniline	100-01-6	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	4-Nitrophenol	100-02-7	BRL	U		22	ug/l	Wet	1		RL raised
Spectrum	RB-002	SA11360-11	SW846 8270C	Acenaphthene	83-32-9	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	Acenaphthylene	208-96-8	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	Acetophenone	98-86-2	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Anthracene	120-12-7	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	Atrazine	1912-24-9	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Benzaldehyde	100-52-7	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Benzo (a) anthracene	56-55-3	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	Benzo (a) pyrene	50-32-8	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	Benzo (b) fluoranthene	205-99-2	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	Benzo (g,h,i) perylene	191-24-2	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	Benzo (k) fluoranthene	207-08-9	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	Bis(2-chloroethoxy)methane	111-91-1	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Bis(2-chloroethyl)ether	111-44-4	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Butyl benzyl phthalate	85-68-7	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Caprolactam	105-60-2	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Carbazole	86-74-8	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Chrysene	218-01-9	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	Di-n-butyl phthalate	84-74-2	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Di-n-octyl phthalate	117-84-0	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Dibenzo (a,h) anthracene	53-70-3	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	Dibenzofuran	132-64-9	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Diethyl phthalate	84-66-2	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Dimethyl phthalate	131-11-3	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Fluoranthene	206-44-0	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	Fluorene	86-73-7	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	Hexachlorobenzene	118-74-1	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Hexachlorobutadiene	87-68-3	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Hexachlorocyclopentadiene	77-47-4	BRL	U		22	ug/l	Wet	1		RL raised
Spectrum	RB-002	SA11360-11	SW846 8270C	Hexachloroethane	67-72-1	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Indeno (1,2,3-cd) pyrene	193-39-5	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	Isophorone	78-59-1	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	N-Nitrosodi-n-propylamine	621-64-7	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	N-Nitrosodiphenylamine	86-30-6	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Naphthalene	91-20-3	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	Nitrobenzene	98-95-3	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Pentachlorophenol	87-86-5	BRL	U		22	ug/l	Wet	1		RL raised
Spectrum	RB-002	SA11360-11	SW846 8270C	Phenanthrene	85-01-8	BRL	U		1	ug/l	Wet	1		RL lowered
Spectrum	RB-002	SA11360-11	SW846 8270C	Phenol	108-95-2	BRL	U		5	ug/l	Wet	1		
Spectrum	RB-002	SA11360-11	SW846 8270C	Pyrene	129-00-0	BRL	U		1	ug/l	Wet	1		RL lowered

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Spectrum Samp ID	Client ID	Compound Name	Result	EMPC	RL	Units	Flags	DV_Qual	Bias	DV_Comment
SA11360-02	SC-011	2,3,7,8-TCDF	1.1		0.22	ng/Kg	A			RL = EDL
SA11360-02	SC-011	2,3,7,8-TCDD		1.3	0.25	ng/Kg	IA	J	H	Interference present; RL = EDL
SA11360-02	SC-011	1,2,3,7,8-PeCDF	1.1		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-02	SC-011	2,3,4,7,8-PeCDF	2.3		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-02	SC-011	1,2,3,7,8-PeCDD	8.6		1	ng/Kg				
SA11360-02	SC-011	1,2,3,4,7,8-HxCDF	3.6		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-02	SC-011	1,2,3,6,7,8-HxCDF	3.3		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-02	SC-011	2,3,4,6,7,8-HxCDF	6.7		1	ng/Kg				
SA11360-02	SC-011	1,2,3,7,8,9-HxCDF	1.2		1	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-02	SC-011	1,2,3,4,7,8-HxCDD	6.2		1	ng/Kg				
SA11360-02	SC-011	1,2,3,6,7,8-HxCDD	54		1	ng/Kg				
SA11360-02	SC-011	1,2,3,7,8,9-HxCDD	20		1	ng/Kg				
SA11360-02	SC-011	1,2,3,4,6,7,8-HpCDF	110		1	ng/Kg				
SA11360-02	SC-011	1,2,3,4,7,8,9-HpCDF	6.9		1	ng/Kg				
SA11360-02	SC-011	1,2,3,4,6,7,8-HpCDD	1200		1	ng/Kg				
SA11360-02	SC-011	OCDF	290		2	ng/Kg				
SA11360-02	SC-011	OCDD	16000		2	ng/Kg				
SA11360-04	SC-012	2,3,7,8-TCDF		1.7	0.2	ng/Kg	EA	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference; RL = EDL
SA11360-04	SC-012	2,3,7,8-TCDD	2.4		0.18	ng/Kg				
SA11360-04	SC-012	1,2,3,7,8-PeCDF	1		0.92	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-04	SC-012	2,3,4,7,8-PeCDF	2.8		0.92	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-04	SC-012	1,2,3,7,8-PeCDD	6.8		0.92	ng/Kg				
SA11360-04	SC-012	1,2,3,4,7,8-HxCDF		120	0.92	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SA11360-04	SC-012	1,2,3,6,7,8-HxCDF	3.8		0.92	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-04	SC-012	2,3,4,6,7,8-HxCDF	10		0.92	ng/Kg				
SA11360-04	SC-012	1,2,3,7,8,9-HxCDF	2.5		0.92	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-04	SC-012	1,2,3,4,7,8-HxCDD	8.5		0.92	ng/Kg				
SA11360-04	SC-012	1,2,3,6,7,8-HxCDD	78		0.92	ng/Kg				
SA11360-04	SC-012	1,2,3,7,8,9-HxCDD	23		0.92	ng/Kg				
SA11360-04	SC-012	1,2,3,4,6,7,8-HpCDF	270		0.92	ng/Kg				
SA11360-04	SC-012	1,2,3,4,7,8,9-HpCDF	18		0.92	ng/Kg				
SA11360-04	SC-012	1,2,3,4,6,7,8-HpCDD	2700		1.1	ng/Kg	A			RL = EDL
SA11360-04	SC-012	OCDF	940		1.8	ng/Kg				
SA11360-04	SC-012	OCDD	23000		180	ng/Kg	N2			
SA11360-06	SC-013	2,3,7,8-TCDF	1.1		0.24	ng/Kg	A			RL = EDL
SA11360-06	SC-013	2,3,7,8-TCDD	2.8		0.19	ng/Kg				
SA11360-06	SC-013	1,2,3,7,8-PeCDF		1.6	0.97	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SA11360-06	SC-013	2,3,4,7,8-PeCDF	2.7		0.97	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-06	SC-013	1,2,3,7,8-PeCDD	5.7		0.97	ng/Kg				
SA11360-06	SC-013	1,2,3,4,7,8-HxCDF		88	0.97	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SA11360-06	SC-013	1,2,3,6,7,8-HxCDF	3		0.97	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-06	SC-013	2,3,4,6,7,8-HxCDF	12		0.97	ng/Kg				
SA11360-06	SC-013	1,2,3,7,8,9-HxCDF	2.1		0.97	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-06	SC-013	1,2,3,4,7,8-HxCDD	8.6		0.97	ng/Kg				
SA11360-06	SC-013	1,2,3,6,7,8-HxCDD	89		0.97	ng/Kg				
SA11360-06	SC-013	1,2,3,7,8,9-HxCDD	20		0.97	ng/Kg				
SA11360-06	SC-013	1,2,3,4,6,7,8-HpCDF	310		0.97	ng/Kg				
SA11360-06	SC-013	1,2,3,4,7,8,9-HpCDF	22		0.97	ng/Kg				
SA11360-06	SC-013	1,2,3,4,6,7,8-HpCDD	3500		0.97	ng/Kg				
SA11360-06	SC-013	OCDF	1200		1.9	ng/Kg				
SA11360-06	SC-013	OCDD	56000		190	ng/Kg	N2			
SA11360-08	SC-014	2,3,7,8-TCDF	0.84		0.23	ng/Kg	JA	J	I	Result uncertain below the calibration range; RL = EDL
SA11360-08	SC-014	2,3,7,8-TCDD	2.4		0.19	ng/Kg				
SA11360-08	SC-014	1,2,3,7,8-PeCDF		1.2	0.95	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference

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Maxymi... Technologies
Pownal Tannery Superfund Site, Pownal, VT
Soil for Re-Use - 2004

Spectrum Samp ID	Client ID	Compound Name	Result	EMPC	RL	Units	Flags	DV_Qual	Bias	DV_Comment
SA11360-08	SC-014	2,3,4,7,8-PeCDF	2.1		0.95	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-08	SC-014	1,2,3,7,8-PeCDD	5.3		0.95	ng/Kg				
SA11360-08	SC-014	1,2,3,4,7,8-HxCDF		100	0.95	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SA11360-08	SC-014	1,2,3,6,7,8-HxCDF	3.2		0.95	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-08	SC-014	2,3,4,6,7,8-HxCDF	11		0.95	ng/Kg				
SA11360-08	SC-014	1,2,3,7,8,9-HxCDF	1.8		0.95	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-08	SC-014	1,2,3,4,7,8-HxCDD	6.8		0.95	ng/Kg				
SA11360-08	SC-014	1,2,3,6,7,8-HxCDD	84		0.95	ng/Kg				
SA11360-08	SC-014	1,2,3,7,8,9-HxCDD	18		0.95	ng/Kg				
SA11360-08	SC-014	1,2,3,4,6,7,8-HpCDF	330		0.95	ng/Kg				
SA11360-08	SC-014	1,2,3,4,7,8,9-HpCDF	25		0.95	ng/Kg				
SA11360-08	SC-014	1,2,3,4,6,7,8-HpCDD	4200		0.95	ng/Kg				
SA11360-08	SC-014	OCDF	1500		1.9	ng/Kg				
SA11360-08	SC-014	OCDD	80000		190	ng/Kg	N2			
SA11360-10	SC-015	2,3,7,8-TCDF	1.2		0.25	ng/Kg	A			RL = EDL
SA11360-10	SC-015	2,3,7,8-TCDD	2.3		0.21	ng/Kg	A			RL = EDL
SA11360-10	SC-015	1,2,3,7,8-PeCDF		1.5	0.95	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SA11360-10	SC-015	2,3,4,7,8-PeCDF	1.8		0.95	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-10	SC-015	1,2,3,7,8-PeCDD	5.6		0.95	ng/Kg				
SA11360-10	SC-015	1,2,3,4,7,8-HxCDF		290	0.95	ng/Kg	E	J	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SA11360-10	SC-015	1,2,3,6,7,8-HxCDF	3.7		0.95	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-10	SC-015	2,3,4,6,7,8-HxCDF	13		0.95	ng/Kg				
SA11360-10	SC-015	1,2,3,7,8,9-HxCDF	1.8		0.95	ng/Kg	J	J	I	Result uncertain below the calibration range
SA11360-10	SC-015	1,2,3,4,7,8-HxCDD	7		0.95	ng/Kg				
SA11360-10	SC-015	1,2,3,6,7,8-HxCDD	93		0.95	ng/Kg				
SA11360-10	SC-015	1,2,3,7,8,9-HxCDD	19		0.95	ng/Kg				
SA11360-10	SC-015	1,2,3,4,6,7,8-HpCDF	440		0.95	ng/Kg				
SA11360-10	SC-015	1,2,3,4,7,8,9-HpCDF	31		0.95	ng/Kg				
SA11360-10	SC-015	1,2,3,4,6,7,8-HpCDD	4700		0.95	ng/Kg				
SA11360-10	SC-015	OCDF	2100		1.9	ng/Kg				
SA11360-10	SC-015	OCDD	91000		190	ng/Kg	N2			
SA11360-11	RB-002	2,3,7,8-TCDF	ND		0.0011	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	2,3,7,8-TCDD	ND		0.0011	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	1,2,3,7,8-PeCDF	ND		0.0057	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	2,3,4,7,8-PeCDF	ND		0.0057	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	1,2,3,7,8-PeCDD	ND		0.0057	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	1,2,3,4,7,8-HxCDF	ND		0.0057	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	1,2,3,6,7,8-HxCDF	ND		0.0057	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	2,3,4,6,7,8-HxCDF	ND		0.0057	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	1,2,3,7,8,9-HxCDF	ND		0.0057	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	1,2,3,4,7,8-HxCDD	ND		0.0057	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	1,2,3,6,7,8-HxCDD	ND		0.0057	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	1,2,3,7,8,9-HxCDD	ND		0.0057	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	1,2,3,4,6,7,8-HpCDF	ND		0.0057	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	1,2,3,4,7,8,9-HpCDF	ND		0.0057	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	1,2,3,4,6,7,8-HpCDD	ND		0.0057	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	OCDF	ND		0.011	ng/L		UJ	I	Result = Low-level RL (LRL); LRL uncertain
SA11360-11	RB-002	OCDD	0.013		0.011	ng/L	J	J	I	Result uncertain below the calibration range

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Maxymill... echnologies
Pownal Tannery Superfund Site, Pownal, VT
Re-Use Soil Sampling 2004

LAB	SAMPLE NAME	LAB SAMP ID	MATRIX	SAMP DATE	PREP DATE	ANAL DATE	METHOD	ANALYTE	CAS NUMBER	DV RESULT	DV QUAL	LAB RL	UNITS	BAS	DIL	% SOLIDS	DV BIAS	DV_Comment
Spectrum A	SC-011	SA11360-02	Soil	4/22/2004	5/1/2004	5/3/2004	SW846 7471A	Mercury	7439-97-6	0.25		0.0954	mg/kg	Dry	1	86.8		
Spectrum A	SC-012	SA11360-04	Soil	4/22/2004	5/1/2004	5/3/2004	SW846 7471A	Mercury	7439-97-6	0.68	J	0.103	mg/kg	Dry	1	86.2	H	MS high at 126%
Spectrum A	SC-013	SA11360-06	Soil	4/22/2004	5/1/2004	5/3/2004	SW846 7471A	Mercury	7439-97-6	0.95		0.0980	mg/kg	Dry	1	86.7		
Spectrum A	SC-014	SA11360-08	Soil	4/22/2004	5/1/2004	5/3/2004	SW846 7471A	Mercury	7439-97-6	0.97		0.102	mg/kg	Dry	1	85.8		
Spectrum A	SC-015	SA11360-10	Soil	4/22/2004	5/1/2004	5/3/2004	SW846 7471A	Mercury	7439-97-6	0.75		0.102	mg/kg	Dry	1	87.7		
Spectrum A	RB-002	SA11360-11	Aqueous	4/22/2004	5/5/2004	5/6/2004	EPA 245.2/747	Mercury	7439-97-6	0.50	U	0.50	ug/L	Wet	1			

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WOODS HOLE GROUP ENVIRONMENTAL LABORATORIES
INORGANIC ANALYSIS DATA SHEET

010004

ab Name: Southwest Research Institute Lab Code: SwRI Contract: 10079.04.018

Case # Maxymillian SRR # 26036, 26043 SDG No.: SC-016

Matrix: Soil Date Received: 06/11/04

Field Sample ID # SC-016 Lab Sample ID # 245979

% Solids 83.4% Sulfide % Solids 81.5%

ANALYTE	RESULT	C	Units	METHOD	Q	Date Analyzed
Cr (VI)	1.43		mg/Kg	SW846 7199		06/14/04
Fe (II)	17000		mg/Kg	J.W. Stucki		06/15/04
ORP	185		mV	ASTM D1498		06/11/04
pH	8.01		S.U.	Method 9045		06/11/04
Sulfides	12.0	U	mg/Kg	SW846 9030B		06/14/04

OMMENTS:

FORM I - IN

WOODS HOLE GROUP ENVIRONMENTAL LABORATORIES
INORGANIC ANALYSIS DATA SHEET

Revised Form
010005

Lab Name: Southwest Research Institute Lab Code: SwRI Contract: 10079.04.018

Case # Maxymillian SRR # 26036, 26043 SDG No.: SC-016

Matrix: Soil Date Received: 06/11/04

Field Sample ID # SC-017 Lab Sample ID # 245980

% Solids 83.4% Sulfide % Solids 81.9%

ANALYTE	RESULT	C	Units	METHOD	Q	Date Analyzed
Cr (VI)	1.25		mg/Kg	SW846 7199		06/14/04
Fe (II)	20500		mg/Kg	J.W. Stucki		06/15/04
ORP	167		mV	ASTM D1498		06/11/04
pH	8.00		S.U.	Method 9045		06/11/04
Sulfides	12.0	U	mg/Kg	SW846 9030B		06/14/04

COMMENTS:

FORM I - IN

WOODS HOLE GROUP ENVIRONMENTAL LABORATORIES
INORGANIC ANALYSIS DATA SHEET

010006

ab Name: Southwest Research Institute Lab Code: SwRI Contract: 10079.04.018

Case # Maxymillian SRR # 26036, 26043 SDG No.: SC-016

Matrix: Soil Date Received: 06/11/04

Field Sample ID # SC-018 Lab Sample ID # 245981

% Solids 84.0% Sulfide % Solids 83.7%

ANALYTE	RESULT	C	Units	METHOD	Q	Date Analyzed
Cr (VI)	2.71		mg/Kg	SW846 7199		06/14/04
Fe (II)	21200		mg/Kg	J.W. Stucki		06/15/04
ORP	162		mV	ASTM D1498		06/11/04
pH	7.97		S.U.	Method 9045		06/11/04
Sulfides	11.9	U	mg/Kg	SW846 9030B		06/14/04

OMMENTS:

FORM I - IN

WOODS HOLE GROUP ENVIRONMENTAL LABORATORIES
INORGANIC ANALYSIS DATA SHEET

010007

ab Name: Southwest Research Institute Lab Code: SwRI Contract: 10079.04.018

Case # Maxymillian SRR # 26036, 26043 SDG No.: SC-016

Matrix: Soil Date Received: 06/11/04

Field Sample ID # SC-019 Lab Sample ID # 245982

% Solids 79.4% Sulfide % Solids 80.3%

ANALYTE	RESULT	C	Units	METHOD	Q	Date Analyzed
Cr (VI)	0.751		mg/Kg	SW846 7199		06/14/04
Fe (II)	19600		mg/Kg	J.W. Stucki		06/15/04
ORP	190		mV	ASTM D1498		06/11/04
pH	7.86		S.U.	Method 9045		06/11/04
Sulfides	12.3	U	mg/Kg	SW846 9030B		06/14/04

OMMENTS:

FORM I - IN

WOODS HOLE GROUP ENVIRONMENTAL LABORATORIES
INORGANIC ANALYSIS DATA SHEET

010010

ab Name: Southwest Research Institute Lab Code: SwRI Contract: 10079.04.018

Case # Maxymillian SRR # 26036, 26043 SDG No.: SC-016

Matrix: Soil Date Received: 06/11/04

Field Sample ID # SCE-019 Lab Sample ID # 245986

% Solids 79.6% Sulfide % Solids 80.0%

ANALYTE	RESULT	C	Units	METHOD	Q	Date Analyzed
Cr (VI)	0.687		mg/Kg	SW846 7199		06/15/04
Fe (II)	19900		mg/Kg	J.W. Stucki		06/15/04
ORP	196		mV	ASTM D1498		06/11/04
pH	7.74		S.U.	Method 9045		06/11/04
Sulfides	12.1	U	mg/Kg	SW846 9030B		06/14/04

OMMENTS:

FORM I - IN

WOODS HOLE GROUP ENVIRONMENTAL LABORATORIES
INORGANIC ANALYSIS DATA SHEET

010008

ıb Name: Southwest Research Institute Lab Code: SwRI Contract: 10079.04.018

Case # Maxymillian SRR # 26036, 26043 SDG No.: SC-016

Matrix: Soil Date Received: 06/11/04

Field Sample ID # SC-020 Lab Sample ID # 245983

% Solids 85.1% Sulfide % Solids 85.1%

ANALYTE	RESULT	C	Units	METHOD	Q	Date Analyzed
Cr (VI)	2.16		mg/Kg	SW846 7199		06/14/04
Fe (II)	17900		mg/Kg	J.W. Stucki		06/15/04
ORP	177		mV	ASTM D1498		06/11/04
pH	7.95		S.U.	Method 9045		06/11/04
Sulfides	11.3	U	mg/Kg	SW846 9030B		06/14/04

COMMENTS:

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WOODS HOLE GROUP ENVIRONMENTAL LABORATORIES
INORGANIC ANALYSIS DATA SHEET

010009

ab Name: Southwest Research Institute Lab Code: SwRI Contract: 10079.04.018

Case # Maxymillian SRR # 26036, 26043 SDG No.: SC-016

Matrix: Soil Date Received: 06/11/04

Field Sample ID # SC-021 Lab Sample ID # 245985

% Solids 87.0% Sulfide % Solids 85.6%

ANALYTE	RESULT	C	Units	METHOD	Q	Date Analyzed
Cr (VI)	3.24		mg/Kg	SW846 7199		06/15/04
Fe (II)	19400		mg/Kg	J.W. Stucki		06/15/04
ORP	208		mV	ASTM D1498		06/11/04
pH	7.98		S.U.	Method 9045		06/11/04
Sulfides	11.4	U	mg/Kg	SW846 9030B		06/14/04

OMMENTS:

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WOODS HOLE GROUP ENVIRONMENTAL LABORATORIES
INORGANIC ANALYSIS DATA SHEET

010011

ab Name: Southwest Research Institute Lab Code: SwRI Contract: 10079.04.018

Case # Maxymillian SRR # 26036, 26043 SDG No.: SC-016

Matrix: Water Date Received: 06/15/04

Field Sample ID # RB-003 Lab Sample ID # 246026

% Solids _____ Sulfide % Solids _____

ANALYTE	RESULT	C	Units	METHOD	Q	Date Analyzed
Cr (VI)	1	U	ug/L	SW846 7199		06/15/04

OMMENTS:

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WOODS HOLE GROUP

010005

WHG SAMPLE NO.

1

INORGANIC ANALYSES DATA SHEET

SC-016

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10079.04.018

Lab Code: SWRI__ Task Ord:040611-7 SRR No.: 26036_ SDG No.: SC-016

Matrix (soil/water): SOIL_ Lab Sample ID: 245979

Level (low/med): LOW__ Date Received: 06/11/04

% Solids: _81.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium_	1900			P_

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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WOODS HOLE GROUP

010006

1

INORGANIC ANALYSES DATA SHEET

WHG SAMPLE NO.

SC-017

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10079.04.018

Lab Code: SWRI__ Task Ord:040611-7 SRR No.: 26036_ SDG No.: SC-016

Matrix (soil/water): SOIL_ Lab Sample ID: 245980

Level (low/med): LOW__ Date Received: 06/11/04

% Solids: _81.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium_	2300			P_

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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WOODS HOLE GROUP

010007

1

INORGANIC ANALYSES DATA SHEET

WHG SAMPLE NO.

SC-018

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10079.04.018

Lab Code: SWRI__ Task Ord:040611-7 SRR No.: 26036_ SDG No.: SC-016

Matrix (soil/water): SOIL_ Lab Sample ID: 245981

Level (low/med): LOW__ Date Received: 06/11/04

% Solids: _83.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2120			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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WOODS HOLE GROUP

1

INORGANIC ANALYSES DATA SHEET

010008

WHG SAMPLE NO.

SC-019

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10079.04.018

Lab Code: SWRI__ Task Ord:040611-7 SRR No.: 26036_ SDG No.: SC-016

Matrix (soil/water): SOIL_ Lab Sample ID: 245982

Level (low/med): LOW__ Date Received: 06/11/04

% Solids: _80.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium_	1410			P_

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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WOODS HOLE GROUP

010009

WHG SAMPLE NO.

1

INORGANIC ANALYSES DATA SHEET

SC-020

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10079.04.018

Lab Code: SWRI__ Task Ord:040611-7 SRR No.: 26036_ SDG No.: SC-016

Matrix (soil/water): SOIL_ Lab Sample ID: 245983

Level (low/med): LOW__ Date Received: 06/11/04

% Solids: _85.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium_	579			P_

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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WOODS HOLE GROUP

010010

1

WHG SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

SC-021

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10079.04.018

Lab Code: SWRI__ Task Ord:040611-7 SRR No.: 26036_ SDG No.: SC-016

Matrix (soil/water): SOIL_ Lab Sample ID: 245985

Level (low/med): LOW__ Date Received: 06/11/04

% Solids: _85.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium_	1030			P_

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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WOODS HOLE GROUP

010011

1

WHG SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

SCE-019

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10079.04.018

Lab Code: SWRI__ Task Ord:040611-7 SRR No.: 26036_ SDG No.: SC-016

Matrix (soil/water): SOIL_ Lab Sample ID: 245986

Level (low/med): LOW__ Date Received: 06/11/04

% Solids: _80.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium_	1740			P_

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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WOODS HOLE GROUP

010004

1

INORGANIC ANALYSES DATA SHEET

WHG SAMPLE NO.

RB-003

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10079.04.018

Lab Code: SWRI__ Task Ord:040611-7 SRR No.: 26036_ SDG No.: SC-016

Matrix (soil/water): WATER Lab Sample ID: 246026

Level (low/med): LOW__ Date Received: 06/15/04

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium_	5.0	U		P_

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-022	0406097-01	SO	06/16/2004		06/24/2004	75-71-8	Dichlorodifluoromethane	1.3	UJ	ug/Kg	1.3	88.3	1	8260	L	Low LCS/LCSD recovery
SC-022	0406097-01	SO	06/16/2004		06/24/2004	74-87-3	Chloromethane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	75-01-4	Vinyl chloride	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	74-83-9	Bromomethane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	75-00-3	Chloroethane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	75-69-4	Trichlorofluoromethane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	75-35-4	1,1-Dichloroethene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	79-20-9	Methyl acetate	3.2	U	ug/Kg	3.2	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	67-64-1	Acetone	3.7	UJ	ug/Kg	3.2	88.3	1	8260	I	Blank Action + ICAL out
SC-022	0406097-01	SO	06/16/2004		06/24/2004	75-15-0	Carbon disulfide	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	75-09-2	Methylene chloride	3.2	U	ug/Kg	3.2	88.3	1	8260		Blank Action
SC-022	0406097-01	SO	06/16/2004		06/24/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	156-60-5	trans-1,2-Dichloroethene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	75-34-3	1,1-Dichloroethane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	156-59-2	cis-1,2-Dichloroethene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	78-93-3	2-Butanone (MEK)	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	110-82-7	Cyclohexane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	67-66-3	Chloroform	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	71-55-6	1,1,1-Trichloroethane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	56-23-5	Carbon tetrachloride	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	71-43-2	Benzene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	107-06-2	1,2-Dichloroethane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	79-01-6	Trichloroethene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	78-87-5	1,2-Dichloropropane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	75-27-4	Bromodichloromethane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	10061-01-5	cis-1,3-Dichloropropene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	108-88-3	Toluene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	108-87-2	Methylcyclohexane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	10061-02-6	trans-1,3-Dichloropropene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	79-00-5	1,1,2-Trichloroethane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	127-18-4	Tetrachloroethene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	591-78-6	2-Hexanone	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	124-48-1	Dibromochloromethane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	106-93-4	1,2-Dibromoethane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	108-90-7	Chlorobenzene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	100-41-4	Ethylbenzene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	1330-20-7	Xylenes, Total	3.9	U	ug/Kg	3.9	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	100-42-5	Styrene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	75-25-2	Bromoform	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	98-82-8	Isopropylbenzene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	541-73-1	1,3-Dichlorobenzene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	106-46-7	1,4-Dichlorobenzene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	95-50-1	1,2-Dichlorobenzene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-022	0406097-01	SO	06/16/2004		06/24/2004	120-82-1	1,2,4-Trichlorobenzene	1.3	U	ug/Kg	1.3	88.3	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	75-71-8	Dichlorodifluoromethane	1.3	UJ	ug/Kg	1.3	89.5	1	8260	L	Low LCS/LCSD recovery
SC-023	0406097-02	SO	06/16/2004		06/24/2004	74-87-3	Chloromethane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	75-01-4	Vinyl chloride	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	74-83-9	Bromomethane	1.3	U	ug/Kg	1.3	89.5	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-023	0406097-02	SO	06/16/2004		06/24/2004	75-00-3	Chloroethane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	75-69-4	Trichlorofluoromethane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	75-35-4	1,1-Dichloroethene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	79-20-9	Methyl acetate	3.2	U	ug/Kg	3.2	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	67-64-1	Acetone	3.2	UJ	ug/Kg	3.2	89.5	1	8260	I	Blank Action + ICAL out
SC-023	0406097-02	SO	06/16/2004		06/24/2004	75-15-0	Carbon disulfide	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	75-09-2	Methylene chloride	3.2	U	ug/Kg	3.2	89.5	1	8260		Blank Action
SC-023	0406097-02	SO	06/16/2004		06/24/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	156-60-5	trans-1,2-Dichloroethene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	75-34-3	1,1-Dichloroethane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	156-59-2	cis-1,2-Dichloroethene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	78-93-3	2-Butanone (MEK)	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	110-82-7	Cyclohexane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	67-66-3	Chloroform	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	71-55-6	1,1,1-Trichloroethane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	56-23-5	Carbon tetrachloride	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	71-43-2	Benzene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	107-06-2	1,2-Dichloroethane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	79-01-6	Trichloroethene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	78-87-5	1,2-Dichloropropane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	75-27-4	Bromodichloromethane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	10061-01-5	cis-1,3-Dichloropropene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	108-88-3	Toluene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	108-87-2	Methylcyclohexane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	10061-02-6	trans-1,3-Dichloropropene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	79-00-5	1,1,2-Trichloroethane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	127-18-4	Tetrachloroethene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	591-78-6	2-Hexanone	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	124-48-1	Dibromochloromethane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	106-93-4	1,2-Dibromoethane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	108-90-7	Chlorobenzene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	100-41-4	Ethylbenzene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	1330-20-7	Xylenes, Total	3.8	U	ug/Kg	3.8	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	100-42-5	Styrene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	75-25-2	Bromoform	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	98-82-8	Isopropylbenzene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	541-73-1	1,3-Dichlorobenzene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	106-46-7	1,4-Dichlorobenzene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	95-50-1	1,2-Dichlorobenzene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-023	0406097-02	SO	06/16/2004		06/24/2004	120-82-1	1,2,4-Trichlorobenzene	1.3	U	ug/Kg	1.3	89.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	75-71-8	Dichlorodifluoromethane	1.4	UJ	ug/Kg	1.4	87.5	1	8260	L	Low LCS/LCSD recovery
SC-024	0406097-03	SO	06/16/2004		06/24/2004	74-87-3	Chloromethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	75-01-4	Vinyl chloride	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	74-83-9	Bromomethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	75-00-3	Chloroethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	75-69-4	Trichlorofluoromethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	75-35-4	1,1-Dichloroethene	1.4	U	ug/Kg	1.4	87.5	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-024	0406097-03	SO	06/16/2004		06/24/2004	79-20-9	Methyl acetate	3.6	U	ug/Kg	3.6	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	67-64-1	Acetone	4.3	UJ	ug/Kg	3.6	87.5	1	8260	I	Blank Action + ICAL out
SC-024	0406097-03	SO	06/16/2004		06/24/2004	75-15-0	Carbon disulfide	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	75-09-2	Methylene chloride	3.6	U	ug/Kg	3.6	87.5	1	8260		Blank Action
SC-024	0406097-03	SO	06/16/2004		06/24/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	156-60-5	trans-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	75-34-3	1,1-Dichloroethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	156-59-2	cis-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	78-93-3	2-Butanone (MEK)	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	110-82-7	Cyclohexane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	67-66-3	Chloroform	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	71-55-6	1,1,1-Trichloroethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	56-23-5	Carbon tetrachloride	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	71-43-2	Benzene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	107-06-2	1,2-Dichloroethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	79-01-6	Trichloroethene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	78-87-5	1,2-Dichloropropane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	75-27-4	Bromodichloromethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	10061-01-5	cis-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	108-88-3	Toluene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	108-87-2	Methylcyclohexane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	10061-02-6	trans-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	79-00-5	1,1,2-Trichloroethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	127-18-4	Tetrachloroethene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	591-78-6	2-Hexanone	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	124-48-1	Dibromochloromethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	106-93-4	1,2-Dibromoethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	108-90-7	Chlorobenzene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	100-41-4	Ethylbenzene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	1330-20-7	Xylenes, Total	4.3	U	ug/Kg	4.3	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	100-42-5	Styrene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	75-25-2	Bromoform	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	98-82-8	Isopropylbenzene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	541-73-1	1,3-Dichlorobenzene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	106-46-7	1,4-Dichlorobenzene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	95-50-1	1,2-Dichlorobenzene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-024	0406097-03	SO	06/16/2004		06/24/2004	120-82-1	1,2,4-Trichlorobenzene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	75-71-8	Dichlorodifluoromethane	1.5	UJ	ug/Kg	1.5	88.3	1	8260	L	Low LCS/LCSD recovery
SC-025	0406097-04	SO	06/16/2004		06/24/2004	74-87-3	Chloromethane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	75-01-4	Vinyl chloride	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	74-83-9	Bromomethane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	75-00-3	Chloroethane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	75-69-4	Trichlorofluoromethane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	75-35-4	1,1-Dichloroethene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	79-20-9	Methyl acetate	3.7	U	ug/Kg	3.7	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	67-64-1	Acetone	4.5	UJ	ug/Kg	3.7	88.3	1	8260	I	Blank Action + ICAL out
SC-025	0406097-04	SO	06/16/2004		06/24/2004	75-15-0	Carbon disulfide	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	75-09-2	Methylene chloride	3.7	U	ug/Kg	3.7	88.3	1	8260		Blank Action

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-025	0406097-04	SO	06/16/2004		06/24/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	156-60-5	trans-1,2-Dichloroethene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	75-34-3	1,1-Dichloroethane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	156-59-2	cis-1,2-Dichloroethene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	78-93-3	2-Butanone (MEK)	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	110-82-7	Cyclohexane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	67-66-3	Chloroform	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	71-55-6	1,1,1-Trichloroethane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	56-23-5	Carbon tetrachloride	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	71-43-2	Benzene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	107-06-2	1,2-Dichloroethane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	79-01-6	Trichloroethene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	78-87-5	1,2-Dichloropropane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	75-27-4	Bromodichloromethane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	10061-01-5	cis-1,3-Dichloropropene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	108-88-3	Toluene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	108-87-2	Methylcyclohexane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	10061-02-6	trans-1,3-Dichloropropene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	79-00-5	1,1,2-Trichloroethane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	127-18-4	Tetrachloroethene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	591-78-6	2-Hexanone	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	124-48-1	Dibromochloromethane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	106-93-4	1,2-Dibromoethane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	108-90-7	Chlorobenzene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	100-41-4	Ethylbenzene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	1330-20-7	Xylenes, Total	4.5	U	ug/Kg	4.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	100-42-5	Styrene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	75-25-2	Bromoform	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	98-82-8	Isopropylbenzene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	541-73-1	1,3-Dichlorobenzene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	106-46-7	1,4-Dichlorobenzene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	95-50-1	1,2-Dichlorobenzene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-025	0406097-04	SO	06/16/2004		06/24/2004	120-82-1	1,2,4-Trichlorobenzene	1.5	U	ug/Kg	1.5	88.3	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	75-71-8	Dichlorodifluoromethane	1.4	UJ	ug/Kg	1.4	87.9	1	8260	L	Low LCS/LCSD recovery
SC-026	0406097-05	SO	06/16/2004		06/24/2004	74-87-3	Chloromethane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	75-01-4	Vinyl chloride	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	74-83-9	Bromomethane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	75-00-3	Chloroethane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	75-69-4	Trichlorofluoromethane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	75-35-4	1,1-Dichloroethene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	79-20-9	Methyl acetate	3.4	U	ug/Kg	3.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	67-64-1	Acetone	3.4	UJ	ug/Kg	3.4	87.9	1	8260	I	Blank Action + ICAL out
SC-026	0406097-05	SO	06/16/2004		06/24/2004	75-15-0	Carbon disulfide	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	75-09-2	Methylene chloride	3.4	U	ug/Kg	3.4	87.9	1	8260		Blank Action
SC-026	0406097-05	SO	06/16/2004		06/24/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	156-60-5	trans-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	75-34-3	1,1-Dichloroethane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	156-59-2	cis-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	87.9	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Pownal Tannery Superfund Site, Pownal, VT
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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-026	0406097-05	SO	06/16/2004		06/24/2004	78-93-3	2-Butanone (MEK)	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	110-82-7	Cyclohexane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	67-66-3	Chloroform	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	71-55-6	1,1,1-Trichloroethane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	56-23-5	Carbon tetrachloride	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	71-43-2	Benzene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	107-06-2	1,2-Dichloroethane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	79-01-6	Trichloroethene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	78-87-5	1,2-Dichloropropane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	75-27-4	Bromodichloromethane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	10061-01-5	cis-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	108-88-3	Toluene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	108-87-2	Methylcyclohexane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	10061-02-6	trans-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	79-00-5	1,1,2-Trichloroethane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	127-18-4	Tetrachloroethene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	591-78-6	2-Hexanone	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	124-48-1	Dibromochloromethane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	106-93-4	1,2-Dibromoethane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	108-90-7	Chlorobenzene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	100-41-4	Ethylbenzene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	1330-20-7	Xylenes, Total	4.1	U	ug/Kg	4.1	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	100-42-5	Styrene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	75-25-2	Bromoform	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	98-82-8	Isopropylbenzene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	541-73-1	1,3-Dichlorobenzene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	106-46-7	1,4-Dichlorobenzene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	95-50-1	1,2-Dichlorobenzene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.4	U	ug/Kg	1.4	87.9	1	8260		
SC-026	0406097-05	SO	06/16/2004		06/24/2004	120-82-1	1,2,4-Trichlorobenzene	1.4	U	ug/Kg	1.4	87.9	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	75-71-8	Dichlorodifluoromethane	1.4	UJ	ug/Kg	1.4	87.6	1	8260	L	Low LCS/LCSD recovery
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	74-87-3	Chloromethane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	75-01-4	Vinyl chloride	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	74-83-9	Bromomethane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	75-00-3	Chloroethane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	75-69-4	Trichlorofluoromethane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	75-35-4	1,1-Dichloroethene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	79-20-9	Methyl acetate	3.4	U	ug/Kg	3.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	67-64-1	Acetone	5.7	UJ	ug/Kg	3.4	87.6	1	8260	I	Blank Action + ICAL out
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	75-15-0	Carbon disulfide	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	75-09-2	Methylene chloride	3.4	U	ug/Kg	3.4	87.6	1	8260		Blank Action
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	156-60-5	trans-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	75-34-3	1,1-Dichloroethane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	156-59-2	cis-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	78-93-3	2-Butanone (MEK)	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	110-82-7	Cyclohexane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	67-66-3	Chloroform	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-026	0406097-06	SO	06/16/2004		06/24/2004	71-55-6	1,1,1-Trichloroethane	1.4	U	ug/Kg	1.4	87.6	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	56-23-5	Carbon tetrachloride	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	71-43-2	Benzene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	107-06-2	1,2-Dichloroethane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	79-01-6	Trichloroethene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	78-87-5	1,2-Dichloropropane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	75-27-4	Bromodichloromethane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	10061-01-5	cis-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	108-88-3	Toluene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	108-87-2	Methylcyclohexane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	10061-02-6	trans-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	79-00-5	1,1,2-Trichloroethane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	127-18-4	Tetrachloroethene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	591-78-6	2-Hexanone	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	124-48-1	Dibromochloromethane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	106-93-4	1,2-Dibromoethane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	108-90-7	Chlorobenzene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	100-41-4	Ethylbenzene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	1330-20-7	Xylenes, Total	4.1	U	ug/Kg	4.1	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	100-42-5	Styrene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	75-25-2	Bromoform	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	98-82-8	Isopropylbenzene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	541-73-1	1,3-Dichlorobenzene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	106-46-7	1,4-Dichlorobenzene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	95-50-1	1,2-Dichlorobenzene	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.4	U	ug/Kg	1.4	87.6	1	8260		
SCE-025	0406097-06	SO	06/16/2004		06/24/2004	120-82-1	1,2,4-Trichlorobenzene	1.4	U	ug/Kg	1.4	87.6	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	75-71-8	Dichlorodifluoromethane	2.0	UJ	ug/Kg	2.0	100	1	8260	L	Low LCS/LCSD recovery
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	74-87-3	Chloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	75-01-4	Vinyl chloride	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	74-83-9	Bromomethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	75-00-3	Chloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	75-69-4	Trichlorofluoromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	79-20-9	Methyl acetate	5.0	U	ug/Kg	5.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	67-64-1	Acetone	5.0	UJ	ug/Kg	5.0	100	1	8260	I	Blank Action + ICAL out
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	75-15-0	Carbon disulfide	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	75-09-2	Methylene chloride	5.6	U	ug/Kg	5.0	100	1	8260	H	Blank Action
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	156-59-2	cis-1,2-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	110-82-7	Cyclohexane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	67-66-3	Chloroform	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	71-43-2	Benzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	79-01-6	Trichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	78-87-5	1,2-Dichloropropane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	75-27-4	Bromodichloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	10061-01-5	cis-1,3-Dichloropropene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	108-88-3	Toluene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	108-87-2	Methylcyclohexane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	10061-02-6	trans-1,3-Dichloropropene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	79-00-5	1,1,2-Trichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	127-18-4	Tetrachloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	591-78-6	2-Hexanone	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	124-48-1	Dibromochloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	106-93-4	1,2-Dibromoethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	108-90-7	Chlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	100-41-4	Ethylbenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	1330-20-7	Xylenes, Total	6.0	U	ug/Kg	6.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	100-42-5	Styrene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	75-25-2	Bromoform	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	98-82-8	Isopropylbenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	96-12-8	1,2-Dibromo-3-chloropropane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061604-01	0406097-07	SO	06/16/2004		06/24/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	75-71-8	Dichlorodifluoromethane	2.0	UJ	ug/L	2.0		1	8260	L	Low LCS/LCSD recovery
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	74-87-3	Chloromethane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	75-01-4	Vinyl chloride	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	75-00-3	Chloroethane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	75-69-4	Trichlorofluoromethane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	79-20-9	Methyl acetate	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	67-64-1	Acetone	5.0	UJ	ug/L	5.0		1	8260	L	Low LCS/LCSD recovery + Low Calibration verification
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	75-15-0	Carbon disulfide	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	75-09-2	Methylene chloride	1.8	J	ug/L	5.0		1	8260	I	Uncertain due to quantitation below calibration range
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	156-59-2	cis-1,2-Dichloroethene	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	110-82-7	Cyclohexane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	78-87-5	1,2-Dichloropropane	3.7		ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	10061-01-5	cis-1,3-Dichloropropane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0		1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Pownal Tannery Superfund Site, Pownal, VT, Inc.

Soil Cover Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	108-87-2	Methylcyclohexane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	10061-02-6	trans-1,3-Dichloropropene	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	79-00-5	1,1,2-Trichloroethane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	591-78-6	2-Hexanone	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	124-48-1	Dibromochloromethane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	106-93-4	1,2-Dibromoethane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	98-82-8	Isopropylbenzene	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	96-12-8	1,2-Dibromo-3-chloropropane	2.0	U	ug/L	2.0		1	8260		
RB-003	0406097-08	AQ	06/17/2004		06/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0		1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	75-71-8	Dichlorodifluoromethane	2.0	UJ	ug/Kg	2.0	100	1	8260	L	Low LCS/LCSD recovery
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	74-87-3	Chloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	75-01-4	Vinyl chloride	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	74-83-9	Bromomethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	75-00-3	Chloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	75-69-4	Trichlorofluoromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	79-20-9	Methyl acetate	5.0	U	ug/Kg	5.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	67-64-1	Acetone	7.4	UJ	ug/Kg	5.0	100	1	8260	I	Blank Action + ICAL out
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	75-15-0	Carbon disulfide	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	75-09-2	Methylene chloride	5.8	U	ug/Kg	5.0	100	1	8260	H	Blank Action
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	156-59-2	cis-1,2-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	110-82-7	Cyclohexane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	67-66-3	Chloroform	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	71-43-2	Benzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	79-01-6	Trichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	78-87-5	1,2-Dichloropropane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	75-27-4	Bromodichloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	10061-01-5	cis-1,3-Dichloropropene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	108-88-3	Toluene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	108-87-2	Methylcyclohexane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	10061-02-6	trans-1,3-Dichloropropene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	79-00-5	1,1,2-Trichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Soil Cover Sampling - 2004

SamplID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	127-18-4	Tetrachloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	591-78-6	2-Hexanone	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	124-48-1	Dibromochloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	106-93-4	1,2-Dibromoethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	108-90-7	Chlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	100-41-4	Ethylbenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	1330-20-7	Xylenes, Total	6.0	U	ug/Kg	6.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	100-42-5	Styrene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	75-25-2	Bromoform	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	98-82-8	Isopropylbenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	96-12-8	1,2-Dibromo-3-chloropropane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-061704-02	0406097-10	SO	06/17/2004		06/24/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	75-71-8	Dichlorodifluoromethane	1.6	UJ	ug/Kg	1.6	86.1	1	8260	L	Low LCS/LCSD recovery
SC-028	0406097-11	SO	06/17/2004		06/24/2004	74-87-3	Chloromethane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	75-01-4	Vinyl chloride	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	74-83-9	Bromomethane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	75-00-3	Chloroethane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	75-69-4	Trichlorofluoromethane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	75-35-4	1,1-Dichloroethene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	79-20-9	Methyl acetate	3.9	U	ug/Kg	3.9	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	67-64-1	Acetone	3.9	UJ	ug/Kg	3.9	86.1	1	8260	I	Blank Action + ICAL out
SC-028	0406097-11	SO	06/17/2004		06/24/2004	75-15-0	Carbon disulfide	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	75-09-2	Methylene chloride	3.9	U	ug/Kg	3.9	86.1	1	8260		Blank Action
SC-028	0406097-11	SO	06/17/2004		06/24/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	156-60-5	trans-1,2-Dichloroethene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	75-34-3	1,1-Dichloroethane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	156-59-2	cis-1,2-Dichloroethene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	78-93-3	2-Butanone (MEK)	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	110-82-7	Cyclohexane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	67-66-3	Chloroform	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	71-55-6	1,1,1-Trichloroethane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	56-23-5	Carbon tetrachloride	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	71-43-2	Benzene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	107-06-2	1,2-Dichloroethane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	79-01-6	Trichloroethene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	78-87-5	1,2-Dichloropropane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	75-27-4	Bromodichloromethane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	10061-01-5	cis-1,3-Dichloropropene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	108-88-3	Toluene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	108-87-2	Methylcyclohexane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	10061-02-6	trans-1,3-Dichloropropene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	79-00-5	1,1,2-Trichloroethane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	127-18-4	Tetrachloroethene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	591-78-6	2-Hexanone	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	124-48-1	Dibromochloromethane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	106-93-4	1,2-Dibromoethane	1.6	U	ug/Kg	1.6	86.1	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-028	0406097-11	SO	06/17/2004		06/24/2004	108-90-7	Chlorobenzene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	100-41-4	Ethylbenzene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	1330-20-7	Xylenes, Total	4.8	U	ug/Kg	4.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	100-42-5	Styrene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	75-25-2	Bromoform	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	98-82-8	Isopropylbenzene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	541-73-1	1,3-Dichlorobenzene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	106-46-7	1,4-Dichlorobenzene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	95-50-1	1,2-Dichlorobenzene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-028	0406097-11	SO	06/17/2004		06/24/2004	120-82-1	1,2,4-Trichlorobenzene	1.6	U	ug/Kg	1.6	86.1	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	75-71-8	Dichlorodifluoromethane	1.6	UJ	ug/Kg	1.6	83.9	1	8260	L	Low LCS/LCSD recovery
SC-027	0406097-12	SO	06/17/2004		06/24/2004	74-87-3	Chloromethane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	75-01-4	Vinyl chloride	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	74-83-9	Bromomethane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	75-00-3	Chloroethane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	75-69-4	Trichlorofluoromethane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	75-35-4	1,1-Dichloroethene	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	79-20-9	Methyl acetate	4.0	U	ug/Kg	4.0	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	67-64-1	Acetone	4.7	UJ	ug/Kg	4.0	83.9	1	8260	I	Blank Action + ICAL out
SC-027	0406097-12	SO	06/17/2004		06/24/2004	75-15-0	Carbon disulfide	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	75-09-2	Methylene chloride	4.0	U	ug/Kg	4.0	83.9	1	8260		Blank Action
SC-027	0406097-12	SO	06/17/2004		06/24/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	156-60-5	trans-1,2-Dichloroethene	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	75-34-3	1,1-Dichloroethane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	156-59-2	cis-1,2-Dichloroethene	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	78-93-3	2-Butanone (MEK)	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	110-82-7	Cyclohexane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	67-66-3	Chloroform	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	71-55-6	1,1,1-Trichloroethane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	56-23-5	Carbon tetrachloride	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	71-43-2	Benzene	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	107-06-2	1,2-Dichloroethane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	79-01-6	Trichloroethene	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	78-87-5	1,2-Dichloropropane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	75-27-4	Bromodichloromethane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	10061-01-5	cis-1,3-Dichloropropene	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	108-88-3	Toluene	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	108-87-2	Methylcyclohexane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	10061-02-6	trans-1,3-Dichloropropene	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	79-00-5	1,1,2-Trichloroethane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	127-18-4	Tetrachloroethene	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	591-78-6	2-Hexanone	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	124-48-1	Dibromochloromethane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	106-93-4	1,2-Dibromoethane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	108-90-7	Chlorobenzene	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	100-41-4	Ethylbenzene	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	1330-20-7	Xylenes, Total	4.8	U	ug/Kg	4.8	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	100-42-5	Styrene	1.6	U	ug/Kg	1.6	83.9	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-027	0406097-12	SO	06/17/2004		06/24/2004	75-25-2	Bromoform	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	98-82-8	Isopropylbenzene	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	541-73-1	1,3-Dichlorobenzene	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	106-46-7	1,4-Dichlorobenzene	2.2		ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	95-50-1	1,2-Dichlorobenzene	16		ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-027	0406097-12	SO	06/17/2004		06/24/2004	120-82-1	1,2,4-Trichlorobenzene	1.6	U	ug/Kg	1.6	83.9	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	75-71-8	Dichlorodifluoromethane	1.8	UJ	ug/Kg	1.8	83.0	1	8260	L	Low LCS/LCSD recovery
SC-029	0406097-13	SO	06/17/2004		06/24/2004	74-87-3	Chloromethane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	75-01-4	Vinyl chloride	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	74-83-9	Bromomethane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	75-00-3	Chloroethane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	75-69-4	Trichlorofluoromethane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	75-35-4	1,1-Dichloroethene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	79-20-9	Methyl acetate	4.5	U	ug/Kg	4.5	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	67-64-1	Acetone	4.5	UJ	ug/Kg	4.5	83.0	1	8260	I	Blank Action + ICAL out
SC-029	0406097-13	SO	06/17/2004		06/24/2004	75-15-0	Carbon disulfide	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	75-09-2	Methylene chloride	4.5	U	ug/Kg	4.5	83.0	1	8260		Blank Action
SC-029	0406097-13	SO	06/17/2004		06/24/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	75-34-3	1,1-Dichloroethane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	156-59-2	cis-1,2-Dichloroethene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	78-93-3	2-Butanone (MEK)	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	110-82-7	Cyclohexane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	67-66-3	Chloroform	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	71-55-6	1,1,1-Trichloroethane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	56-23-5	Carbon tetrachloride	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	71-43-2	Benzene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	107-06-2	1,2-Dichloroethane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	79-01-6	Trichloroethene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	78-87-5	1,2-Dichloropropane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	75-27-4	Bromodichloromethane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	10061-01-5	cis-1,3-Dichloropropene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	108-88-3	Toluene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	108-87-2	Methylcyclohexane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	10061-02-6	trans-1,3-Dichloropropene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	79-00-5	1,1,2-Trichloroethane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	127-18-4	Tetrachloroethene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	591-78-6	2-Hexanone	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	124-48-1	Dibromochloromethane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	106-93-4	1,2-Dibromoethane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	108-90-7	Chlorobenzene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	100-41-4	Ethylbenzene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	1330-20-7	Xylenes, Total	5.4	U	ug/Kg	5.4	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	100-42-5	Styrene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	75-25-2	Bromoform	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	98-82-8	Isopropylbenzene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	541-73-1	1,3-Dichlorobenzene	1.8	U	ug/Kg	1.8	83.0	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Soil Cover Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-029	0406097-13	SO	06/17/2004		06/24/2004	106-46-7	1,4-Dichlorobenzene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	95-50-1	1,2-Dichlorobenzene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-029	0406097-13	SO	06/17/2004		06/24/2004	120-82-1	1,2,4-Trichlorobenzene	1.8	U	ug/Kg	1.8	83.0	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	75-71-8	Dichlorodifluoromethane	1.6	UJ	ug/Kg	1.6	85.8	1	8260	L	Low LCS/LCSD recovery
SC-030	0406097-14	SO	06/17/2004		06/24/2004	74-87-3	Chloromethane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	75-01-4	Vinyl chloride	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	74-83-9	Bromomethane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	75-00-3	Chloroethane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	75-69-4	Trichlorofluoromethane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	75-35-4	1,1-Dichloroethene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	79-20-9	Methyl acetate	3.9	U	ug/Kg	3.9	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	67-64-1	Acetone	3.9	UJ	ug/Kg	3.9	85.8	1	8260	I	Blank Action + ICAL out
SC-030	0406097-14	SO	06/17/2004		06/24/2004	75-15-0	Carbon disulfide	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	75-09-2	Methylene chloride	3.9	U	ug/Kg	3.9	85.8	1	8260		Blank Action
SC-030	0406097-14	SO	06/17/2004		06/24/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	156-60-5	trans-1,2-Dichloroethene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	75-34-3	1,1-Dichloroethane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	156-59-2	cis-1,2-Dichloroethene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	78-93-3	2-Butanone (MEK)	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	110-82-7	Cyclohexane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	67-66-3	Chloroform	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	71-55-6	1,1,1-Trichloroethane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	56-23-5	Carbon tetrachloride	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	71-43-2	Benzene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	107-06-2	1,2-Dichloroethane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	79-01-6	Trichloroethene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	78-87-5	1,2-Dichloropropane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	75-27-4	Bromodichloromethane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	10061-01-5	cis-1,3-Dichloropropene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	108-88-3	Toluene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	108-87-2	Methylcyclohexane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	10061-02-6	trans-1,3-Dichloropropene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	79-00-5	1,1,2-Trichloroethane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	127-18-4	Tetrachloroethene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	591-78-6	2-Hexanone	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	124-48-1	Dibromochloromethane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	106-93-4	1,2-Dibromoethane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	108-90-7	Chlorobenzene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	100-41-4	Ethylbenzene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	1330-20-7	Xylenes, Total	4.7	U	ug/Kg	4.7	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	100-42-5	Styrene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	75-25-2	Bromoform	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	98-82-8	Isopropylbenzene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	541-73-1	1,3-Dichlorobenzene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	106-46-7	1,4-Dichlorobenzene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	95-50-1	1,2-Dichlorobenzene	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.6	U	ug/Kg	1.6	85.8	1	8260		
SC-030	0406097-14	SO	06/17/2004		06/24/2004	120-82-1	1,2,4-Trichlorobenzene	1.6	U	ug/Kg	1.6	85.8	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-031	0406097-15	SO	06/17/2004		06/24/2004	75-71-8	Dichlorodifluoromethane	1.6	UJ	ug/Kg	1.6	84.6	1	8260	L	Low LCS/LCSD recovery
SC-031	0406097-15	SO	06/17/2004		06/24/2004	74-87-3	Chloromethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	75-01-4	Vinyl chloride	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	74-83-9	Bromomethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	75-00-3	Chloroethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	75-69-4	Trichlorofluoromethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	75-35-4	1,1-Dichloroethene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	79-20-9	Methyl acetate	4.0	U	ug/Kg	4.0	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	67-64-1	Acetone	5.4	UJ	ug/Kg	4.0	84.6	1	8260	I	Blank Action + ICAL out
SC-031	0406097-15	SO	06/17/2004		06/24/2004	75-15-0	Carbon disulfide	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	75-09-2	Methylene chloride	4.0	U	ug/Kg	4.0	84.6	1	8260		Blank Action
SC-031	0406097-15	SO	06/17/2004		06/24/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	156-60-5	trans-1,2-Dichloroethene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	75-34-3	1,1-Dichloroethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	156-59-2	cis-1,2-Dichloroethene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	78-93-3	2-Butanone (MEK)	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	110-82-7	Cyclohexane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	67-66-3	Chloroform	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	71-55-6	1,1,1-Trichloroethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	56-23-5	Carbon tetrachloride	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	71-43-2	Benzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	107-06-2	1,2-Dichloroethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	79-01-6	Trichloroethene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	78-87-5	1,2-Dichloropropane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	75-27-4	Bromodichloromethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	10061-01-5	cis-1,3-Dichloropropene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	108-88-3	Toluene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	108-87-2	Methylcyclohexane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	10061-02-6	trans-1,3-Dichloropropene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	79-00-5	1,1,2-Trichloroethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	127-18-4	Tetrachloroethene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	591-78-6	2-Hexanone	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	124-48-1	Dibromochloromethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	106-93-4	1,2-Dibromoethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	108-90-7	Chlorobenzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	100-41-4	Ethylbenzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	1330-20-7	Xylenes, Total	4.8	U	ug/Kg	4.8	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	100-42-5	Styrene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	75-25-2	Bromoform	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	98-82-8	Isopropylbenzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	541-73-1	1,3-Dichlorobenzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	106-46-7	1,4-Dichlorobenzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	95-50-1	1,2-Dichlorobenzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-031	0406097-15	SO	06/17/2004		06/24/2004	120-82-1	1,2,4-Trichlorobenzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	100-52-7	Benzaldehyde	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	108-95-2	Phenol	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	95-57-8	2-Chlorophenol	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	111-44-4	bis(2-Chloroethyl)ether	55	U	ug/Kg	55	88.3	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	95-48-7	2-Methylphenol	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	108-60-1	bis(2-chloroisopropyl)ether	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	98-86-2	Acetophenone	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	106-44-5	4-Methylphenol	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	07/01/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	88.3	4	PAH SIM		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	67-72-1	Hexachloroethane	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	98-95-3	Nitrobenzene	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	78-59-1	Isophorone	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	88-75-5	2-Nitrophenol	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	105-67-9	2,4-Dimethylphenol	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	111-91-1	bis(2-Chloroethoxy)methane	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	120-83-2	2,4-Dichlorophenol	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	91-20-3	Naphthalene	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	106-47-8	4-Chloroaniline	55	UJ	ug/Kg	55	88.3	1	8270	L	Low LCS recovery
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	87-68-3	Hexachlorobutadiene	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	105-60-2	Caprolactam	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	59-50-7	4-Chloro-3-methylphenol	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	91-57-6	2-Methylnaphthalene	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	77-47-4	Hexachlorocyclopentadiene	55	UJ	ug/Kg	55	88.3	1	8270	I	ICAL out
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	88-06-2	2,4,6-Trichlorophenol	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	95-95-4	2,4,5-Trichlorophenol	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	92-52-4	Biphenyl	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	91-58-7	2-Chloronaphthalene	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	88-74-4	2-Nitroaniline	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	131-11-3	Dimethylphthalate	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	606-20-2	2,6-Dinitrotoluene	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	208-96-8	Acenaphthylene	19	J	ug/Kg	55	88.3	1	8270	I	Uncertain due to quantitation below calibration range
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	99-09-2	3-Nitroaniline	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	83-32-9	Acenaphthene	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	51-28-5	2,4-Dinitrophenol	55	UJ	ug/Kg	55	88.3	1	8270	I	ICAL out & Low Calibration verification
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	100-02-7	4-Nitrophenol	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	132-64-9	Dibenzofuran	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	121-14-2	2,4-Dinitrotoluene	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	84-66-2	Diethylphthalate	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	86-73-7	Fluorene	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	7005-72-3	4-Chlorophenyl-phenylether	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	100-01-6	4-Nitroaniline	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	534-52-1	4,6-Dinitro-2-methylphenol	55	UJ	ug/Kg	55	88.3	1	8270	I	ICAL out
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	86-30-6	n-Nitrosodiphenylamine	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	101-55-3	4-Bromophenyl-phenylether	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	118-74-1	Hexachlorobenzene	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	1912-24-9	Atrazine	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	87-86-5	Pentachlorophenol	110	UJ	ug/Kg	110	88.3	1	8270	L	Low LCS recovery & Low Calibration verification
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	85-01-8	Phenanthrene	64		ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	120-12-7	Anthracene	23	J	ug/Kg	55	88.3	1	8270	I	Uncertain due to quantitation below calibration range
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	86-74-8	Carbazole	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	84-74-2	Di-n-butylphthalate	55	U	ug/Kg	55	88.3	1	8270		Blank Action
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	206-44-0	Fluoranthene	120		ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	129-00-0	Pyrene	140		ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	85-68-7	Butylbenzylphthalate	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	91-94-1	3,3'-Dichlorobenzidine	55	UJ	ug/Kg	55	88.3	1	8270	L	Low LCS recovery
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	56-55-3	Benz[a]anthracene	81		ug/Kg	55	88.3	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	218-01-9	Chrysene	83		ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	117-81-7	bis(2-Ethylhexyl)phthalate	60	U	ug/Kg	55	88.3	1	8270	H	Blank Action
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	117-84-0	Di-n-octylphthalate	55	U	ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	205-99-2	Benzo[b]fluoranthene	80		ug/Kg	55	88.3	1	8270		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	207-08-9	Benzo[k]fluoranthene	45	J	ug/Kg	55	88.3	1	8270	I	Uncertain due to quantitation below calibration range
SC-022	0406097-01	SO	06/16/2004	06/19/2004	07/01/2004	50-32-8	Benzo[a]pyrene	85		ug/Kg	22	88.3	4	PAH SIM		
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	193-39-5	Indeno[1,2,3-cd]pyrene	42	J	ug/Kg	55	88.3	1	8270	I	Uncertain due to quantitation below calibration range
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	53-70-3	Dibenz[a,h]anthracene	13	J	ug/Kg	55	88.3	1	8270	I	Uncertain due to quantitation below calibration range
SC-022	0406097-01	SO	06/16/2004	06/19/2004	06/28/2004	191-24-2	Benzo[g,h,i]perylene	50	J	ug/Kg	55	88.3	1	8270	I	Uncertain due to quantitation below calibration range
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	100-52-7	Benzaldehyde	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	108-95-2	Phenol	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	95-57-8	2-Chlorophenol	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	111-44-4	bis(2-Chloroethyl)ether	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	95-48-7	2-Methylphenol	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	108-60-1	bis(2-chloroisopropyl)ether	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	98-86-2	Acetophenone	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	106-44-5	4-Methylphenol	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	07/01/2004	621-64-7	n-Nitroso-di-n-propylamine	21	U	ug/Kg	21	89.5	4	PAH SIM		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	67-72-1	Hexachloroethane	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	98-95-3	Nitrobenzene	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	78-59-1	Isophorone	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	88-75-5	2-Nitrophenol	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	105-67-9	2,4-Dimethylphenol	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	111-91-1	bis(2-Chloroethoxy)methane	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	120-83-2	2,4-Dichlorophenol	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	91-20-3	Naphthalene	16	JEB	ug/Kg	53	89.5	1	8270	I	Blank Action & Uncertain due to quantitation below calibration range
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	106-47-8	4-Chloroaniline	53	UJ	ug/Kg	53	89.5	1	8270	L	Low LCS recovery
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	87-68-3	Hexachlorobutadiene	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	105-60-2	Caprolactam	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	59-50-7	4-Chloro-3-methylphenol	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	91-57-6	2-Methylnaphthalene	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	77-47-4	Hexachlorocyclopentadiene	53	UJ	ug/Kg	53	89.5	1	8270	I	ICAL out
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	88-06-2	2,4,6-Trichlorophenol	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	95-95-4	2,4,5-Trichlorophenol	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	92-52-4	Biphenyl	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	91-58-7	2-Chloronaphthalene	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	88-74-4	2-Nitroaniline	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	131-11-3	Dimethylphthalate	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	606-20-2	2,6-Dinitrotoluene	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	208-96-8	Acenaphthylene	19	J	ug/Kg	53	89.5	1	8270	I	Uncertain due to quantitation below calibration range
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	99-09-2	3-Nitroaniline	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	83-32-9	Acenaphthene	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	51-28-5	2,4-Dinitrophenol	53	UJ	ug/Kg	53	89.5	1	8270	I	ICAL out & Low Calibration verification
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	100-02-7	4-Nitrophenol	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	132-64-9	Dibenzofuran	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	121-14-2	2,4-Dinitrotoluene	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	84-66-2	Diethylphthalate	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	86-73-7	Fluorene	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	7005-72-3	4-Chlorophenyl-phenylether	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	100-01-6	4-Nitroaniline	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	534-52-1	4,6-Dinitro-2-methylphenol	53	UJ	ug/Kg	53	89.5	1	8270	I	ICAL out
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	86-30-6	n-Nitrosodiphenylamine	53	U	ug/Kg	53	89.5	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	101-55-3	4-Bromophenyl-phenylether	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	118-74-1	Hexachlorobenzene	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	1912-24-9	Atrazine	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	87-86-5	Pentachlorophenol	110	UJ	ug/Kg	110	89.5	1	8270	L	Low LCS recovery & Low Calibration verification
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	85-01-8	Phenanthrene	28	J	ug/Kg	53	89.5	1	8270	I	Uncertain due to quantitation below calibration range
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	120-12-7	Anthracene	14	J	ug/Kg	53	89.5	1	8270	I	Uncertain due to quantitation below calibration range
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	86-74-8	Carbazole	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	84-74-2	Di-n-butylphthalate	53	U	ug/Kg	53	89.5	1	8270		Blank Action
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	206-44-0	Fluoranthene	79		ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	129-00-0	Pyrene	94		ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	85-68-7	Butylbenzylphthalate	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	91-94-1	3,3'-Dichlorobenzidine	53	UJ	ug/Kg	53	89.5	1	8270	L	Low LCS recovery
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	56-55-3	Benz[a]anthracene	63		ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	218-01-9	Chrysene	62		ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	117-81-7	bis(2-Ethylhexyl)phthalate	60	U	ug/Kg	53	89.5	1	8270	H	Blank Action
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	117-84-0	Di-n-octylphthalate	53	U	ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	205-99-2	Benzo[b]fluoranthene	60		ug/Kg	53	89.5	1	8270		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	207-08-9	Benzo[k]fluoranthene	49	J	ug/Kg	53	89.5	1	8270	I	Uncertain due to quantitation below calibration range
SC-023	0406097-02	SO	06/16/2004	06/19/2004	07/01/2004	50-32-8	Benzo[a]pyrene	66		ug/Kg	21	89.5	4	PAH SIM		
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	193-39-5	Indeno[1,2,3-cd]pyrene	37	J	ug/Kg	53	89.5	1	8270	I	Uncertain due to quantitation below calibration range
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	53-70-3	Dibenz[a,h]anthracene	13	J	ug/Kg	53	89.5	1	8270	I	Uncertain due to quantitation below calibration range
SC-023	0406097-02	SO	06/16/2004	06/19/2004	06/28/2004	191-24-2	Benzo[g,h,i]perylene	44	J	ug/Kg	53	89.5	1	8270	I	Uncertain due to quantitation below calibration range
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	100-52-7	Benzaldehyde	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	108-95-2	Phenol	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	95-57-8	2-Chlorophenol	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	111-44-4	bis(2-Chloroethyl)ether	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	95-48-7	2-Methylphenol	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	108-60-1	bis(2-chloroisopropyl)ether	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	98-86-2	Acetophenone	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	106-44-5	4-Methylphenol	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	07/01/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	87.5	4	PAH SIM		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	67-72-1	Hexachloroethane	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	98-95-3	Nitrobenzene	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	78-59-1	Isophorone	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	88-75-5	2-Nitrophenol	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	105-67-9	2,4-Dimethylphenol	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	111-91-1	bis(2-Chloroethoxy)methane	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	120-83-2	2,4-Dichlorophenol	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	91-20-3	Naphthalene	16	JEB	ug/Kg	55	87.5	1	8270	I	Blank Action & Uncertain due to quantitation below calibration range
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	106-47-8	4-Chloroaniline	55	UJ	ug/Kg	55	87.5	1	8270	L	Low LCS recovery
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	87-68-3	Hexachlorobutadiene	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	105-60-2	Caprolactam	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	59-50-7	4-Chloro-3-methylphenol	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	91-57-6	2-Methylnaphthalene	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	77-47-4	Hexachlorocyclopentadiene	55	UJ	ug/Kg	55	87.5	1	8270	I	ICAL out
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	88-06-2	2,4,6-Trichlorophenol	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	95-95-4	2,4,5-Trichlorophenol	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	92-52-4	Biphenyl	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	91-58-7	2-Chloronaphthalene	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	88-74-4	2-Nitroaniline	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	131-11-3	Dimethylphthalate	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	606-20-2	2,6-Dinitrotoluene	55	U	ug/Kg	55	87.5	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	208-96-8	Acenaphthylene	31	J	ug/Kg	55	87.5	1	8270	I	Uncertain due to quantitation below calibration range
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	99-09-2	3-Nitroaniline	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	83-32-9	Acenaphthene	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	51-28-5	2,4-Dinitrophenol	55	UJ	ug/Kg	55	87.5	1	8270	I	ICAL out & Low Calibration verification
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	100-02-7	4-Nitrophenol	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	132-64-9	Dibenzofuran	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	121-14-2	2,4-Dinitrotoluene	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	84-66-2	Diethylphthalate	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	86-73-7	Fluorene	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	7005-72-3	4-Chlorophenyl-phenylether	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	100-01-6	4-Nitroaniline	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	534-52-1	4,6-Dinitro-2-methylphenol	55	UJ	ug/Kg	55	87.5	1	8270	I	ICAL out
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	86-30-6	n-Nitrosodiphenylamine	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	101-55-3	4-Bromophenyl-phenylether	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	118-74-1	Hexachlorobenzene	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	1912-24-9	Atrazine	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	87-86-5	Pentachlorophenol	110	UJ	ug/Kg	110	87.5	1	8270	L	Low LCS recovery & Low Calibration verification
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	85-01-8	Phenanthrene	88		ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	120-12-7	Anthracene	31	J	ug/Kg	55	87.5	1	8270	I	Uncertain due to quantitation below calibration range
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	86-74-8	Carbazole	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	84-74-2	Di-n-butylphthalate	55	U	ug/Kg	55	87.5	1	8270		Blank Action
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	206-44-0	Fluoranthene	150		ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	129-00-0	Pyrene	180		ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	85-68-7	Butylbenzylphthalate	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	91-94-1	3,3'-Dichlorobenzidine	55	UJ	ug/Kg	55	87.5	1	8270	L	Low LCS recovery
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	56-55-3	Benz[a]anthracene	120		ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	218-01-9	Chrysene	130		ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	117-81-7	bis(2-Ethylhexyl)phthalate	55	U	ug/Kg	55	87.5	1	8270		Blank Action
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	117-84-0	Di-n-octylphthalate	55	U	ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	205-99-2	Benzo[b]fluoranthene	100		ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	207-08-9	Benzo[k]fluoranthene	73		ug/Kg	55	87.5	1	8270		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	07/01/2004	50-32-8	Benzo[a]pyrene	110		ug/Kg	22	87.5	4	PAH SIM		
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	193-39-5	Indeno[1,2,3-cd]pyrene	54	J	ug/Kg	55	87.5	1	8270	I	Uncertain due to quantitation below calibration range
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	53-70-3	Dibenz[a,h]anthracene	19	J	ug/Kg	55	87.5	1	8270	I	Uncertain due to quantitation below calibration range
SC-024	0406097-03	SO	06/16/2004	06/19/2004	06/28/2004	191-24-2	Benzo[g,h,i]perylene	65		ug/Kg	55	87.5	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/28/2004	100-52-7	Benzaldehyde	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	108-95-2	Phenol	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	95-57-8	2-Chlorophenol	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	111-44-4	bis(2-Chloroethyl)ether	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	95-48-7	2-Methylphenol	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	108-60-1	bis(2-chloroisopropyl)ether	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	98-86-2	Acetophenone	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	106-44-5	4-Methylphenol	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	07/01/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	88.3	4	PAH SIM		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	67-72-1	Hexachloroethane	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	98-95-3	Nitrobenzene	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	78-59-1	Isophorone	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	88-75-5	2-Nitrophenol	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	105-67-9	2,4-Dimethylphenol	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	111-91-1	bis(2-Chloroethoxy)methane	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	120-83-2	2,4-Dichlorophenol	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	91-20-3	Naphthalene	14	JEB	ug/Kg	54	88.3	1	8270	I	Blank Action & Uncertain due to quantitation below calibration range

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	106-47-8	4-Chloroaniline	54	UJ	ug/Kg	54	88.3	1	8270	L	Low LCS recovery
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	87-68-3	Hexachlorobutadiene	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	105-60-2	Caprolactam	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	59-50-7	4-Chloro-3-methylphenol	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	91-57-6	2-Methylnaphthalene	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	77-47-4	Hexachlorocyclopentadiene	54	UJ	ug/Kg	54	88.3	1	8270	I	ICAL out
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	88-06-2	2,4,6-Trichlorophenol	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	95-95-4	2,4,5-Trichlorophenol	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	92-52-4	Biphenyl	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	91-58-7	2-Chloronaphthalene	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	88-74-4	2-Nitroaniline	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	131-11-3	Dimethylphthalate	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	606-20-2	2,6-Dinitrotoluene	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	208-96-8	Acenaphthylene	23	J	ug/Kg	54	88.3	1	8270	I	Uncertain due to quantitation below calibration range
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	99-09-2	3-Nitroaniline	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	83-32-9	Acenaphthene	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	51-28-5	2,4-Dinitrophenol	54	UJ	ug/Kg	54	88.3	1	8270	I	ICAL out & Low Calibration verification
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	100-02-7	4-Nitrophenol	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	132-64-9	Dibenzofuran	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	121-14-2	2,4-Dinitrotoluene	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	84-66-2	Diethylphthalate	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	86-73-7	Fluorene	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	7005-72-3	4-Chlorophenyl-phenylether	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	100-01-6	4-Nitroaniline	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	534-52-1	4,6-Dinitro-2-methylphenol	54	UJ	ug/Kg	54	88.3	1	8270	I	ICAL out
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	86-30-6	n-Nitrosodiphenylamine	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	101-55-3	4-Bromophenyl-phenylether	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	118-74-1	Hexachlorobenzene	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	1912-24-9	Atrazine	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	87-86-5	Pentachlorophenol	110	UJ	ug/Kg	110	88.3	1	8270	L	Low LCS recovery & Low Calibration verification
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	85-01-8	Phenanthrene	61	J	ug/Kg	54	88.3	1	8270	I	FD Imprecision
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	120-12-7	Anthracene	24	J	ug/Kg	54	88.3	1	8270	I	Uncertain due to quantitation below calibration range
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	86-74-8	Carbazole	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	84-74-2	Di-n-butylphthalate	54	U	ug/Kg	54	88.3	1	8270		Blank Action
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	206-44-0	Fluoranthene	140	J	ug/Kg	54	88.3	1	8270	I	FD Imprecision
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	129-00-0	Pyrene	160	J	ug/Kg	54	88.3	1	8270	I	FD Imprecision
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	85-68-7	Butylbenzylphthalate	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	91-94-1	3,3'-Dichlorobenzidine	54	UJ	ug/Kg	54	88.3	1	8270	L	Low LCS recovery
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	56-55-3	Benz[a]anthracene	86	J	ug/Kg	54	88.3	1	8270	I	FD Imprecision
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	218-01-9	Chrysene	91	J	ug/Kg	54	88.3	1	8270	I	FD Imprecision
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	117-81-7	bis(2-Ethylhexyl)phthalate	54	U	ug/Kg	54	88.3	1	8270		Blank Action
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	117-84-0	Di-n-octylphthalate	54	U	ug/Kg	54	88.3	1	8270		
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	205-99-2	Benzo[b]fluoranthene	82	J	ug/Kg	54	88.3	1	8270	I	FD Imprecision
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	207-08-9	Benzo[k]fluoranthene	65	J	ug/Kg	54	88.3	1	8270	I	FD Imprecision
SC-025	0406097-04	SO	06/16/2004	06/19/2004	07/01/2004	50-32-8	Benzo[a]pyrene	84	J	ug/Kg	22	88.3	4	PAH SIM	I	FD Imprecision
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	193-39-5	Indeno[1,2,3-cd]pyrene	47	J	ug/Kg	54	88.3	1	8270	I	FD Imprecision & Uncertain due to quantitation below calibration ran
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	53-70-3	Dibenz[a,h]anthracene	15	J	ug/Kg	54	88.3	1	8270	I	Uncertain due to quantitation below calibration range
SC-025	0406097-04	SO	06/16/2004	06/19/2004	06/29/2004	191-24-2	Benzo[g,h,i]perylene	53	J	ug/Kg	54	88.3	1	8270	I	FD Imprecision & Uncertain due to quantitation below calibration ran
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	100-52-7	Benzaldehyde	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	108-95-2	Phenol	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	95-57-8	2-Chlorophenol	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	111-44-4	bis(2-Chloroethyl)ether	56	U	ug/Kg	56	87.9	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	95-48-7	2-Methylphenol	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	108-60-1	bis(2-chloroisopropyl)ether	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	98-86-2	Acetophenone	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	106-44-5	4-Methylphenol	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	07/01/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	87.9	4	PAH SIM		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	67-72-1	Hexachloroethane	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	98-95-3	Nitrobenzene	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	78-59-1	Isophorone	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	88-75-5	2-Nitrophenol	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	105-67-9	2,4-Dimethylphenol	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	111-91-1	bis(2-Chloroethoxy)methane	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	120-83-2	2,4-Dichlorophenol	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	91-20-3	Naphthalene	12	JEB	ug/Kg	56	87.9	1	8270	I	Blank Action & Uncertain due to quantitation below calibration range
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	106-47-8	4-Chloroaniline	56	UJ	ug/Kg	56	87.9	1	8270	L	Low LCS recovery
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	87-68-3	Hexachlorobutadiene	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	105-60-2	Caprolactam	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	59-50-7	4-Chloro-3-methylphenol	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	91-57-6	2-Methylnaphthalene	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	77-47-4	Hexachlorocyclopentadiene	56	UJ	ug/Kg	56	87.9	1	8270	I	ICAL out
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	88-06-2	2,4,6-Trichlorophenol	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	95-95-4	2,4,5-Trichlorophenol	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	92-52-4	Biphenyl	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	91-58-7	2-Chloronaphthalene	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	88-74-4	2-Nitroaniline	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	131-11-3	Dimethylphthalate	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	606-20-2	2,6-Dinitrotoluene	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	208-96-8	Acenaphthylene	32	J	ug/Kg	56	87.9	1	8270	I	Uncertain due to quantitation below calibration range
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	99-09-2	3-Nitroaniline	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	83-32-9	Acenaphthene	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	51-28-5	2,4-Dinitrophenol	56	UJ	ug/Kg	56	87.9	1	8270	I	ICAL out & Low Calibration verification
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	100-02-7	4-Nitrophenol	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	132-64-9	Dibenzofuran	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	121-14-2	2,4-Dinitrotoluene	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	84-66-2	Diethylphthalate	13	J	ug/Kg	56	87.9	1	8270	I	Uncertain due to quantitation below calibration range
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	86-73-7	Fluorene	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	7005-72-3	4-Chlorophenyl-phenylether	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	100-01-6	4-Nitroaniline	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	534-52-1	4,6-Dinitro-2-methylphenol	56	UJ	ug/Kg	56	87.9	1	8270	I	ICAL out
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	86-30-6	n-Nitrosodiphenylamine	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	101-55-3	4-Bromophenyl-phenylether	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	118-74-1	Hexachlorobenzene	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	1912-24-9	Atrazine	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	87-86-5	Pentachlorophenol	110	UJ	ug/Kg	110	87.9	1	8270	L	Low LCS recovery & Low Calibration verification
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	85-01-8	Phenanthrene	64		ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	120-12-7	Anthracene	25	J	ug/Kg	56	87.9	1	8270	I	Uncertain due to quantitation below calibration range
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	86-74-8	Carbazole	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	84-74-2	Di-n-butylphthalate	56	U	ug/Kg	56	87.9	1	8270		Blank Action
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	206-44-0	Fluoranthene	140		ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	129-00-0	Pyrene	170		ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	85-68-7	Butylbenzylphthalate	56	U	ug/Kg	56	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	91-94-1	3,3'-Dichlorobenzidine	56	UJ	ug/Kg	56	87.9	1	8270	L	Low LCS recovery
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	56-55-3	Benz[a]anthracene	100		ug/Kg	56	87.9	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	218-01-9	Chrysene	110		ug/Kg	58	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	117-81-7	bis(2-Ethylhexyl)phthalate	58	U	ug/Kg	58	87.9	1	8270		Blank Action
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	117-84-0	Di-n-octylphthalate	58	U	ug/Kg	58	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	205-99-2	Benzo[b]fluoranthene	110		ug/Kg	58	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	207-08-9	Benzo[k]fluoranthene	67		ug/Kg	58	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	07/01/2004	50-32-8	Benzo[a]pyrene	110		ug/Kg	22	87.9	4	PAH SIM		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	193-39-5	Indeno[1,2,3-cd]pyrene	61		ug/Kg	58	87.9	1	8270		
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	53-70-3	Dibenz[a,h]anthracene	19	J	ug/Kg	58	87.9	1	8270	I	Uncertain due to quantitation below calibration range
SC-026	0406097-05	SO	06/16/2004	06/19/2004	06/29/2004	191-24-2	Benzo[g,h,i]perylene	68		ug/Kg	58	87.9	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	100-52-7	Benzaldehyde	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	108-95-2	Phenol	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	95-57-8	2-Chlorophenol	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	111-44-4	bis(2-Chloroethyl)ether	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	95-48-7	2-Methylphenol	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	108-60-1	bis(2-chloroisopropyl)ether	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	98-86-2	Acetophenone	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	106-44-5	4-Methylphenol	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	07/01/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	87.6	4	PAH SIM		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	67-72-1	Hexachloroethane	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	98-95-3	Nitrobenzene	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	78-59-1	Isophorone	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	88-75-5	2-Nitrophenol	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	105-67-9	2,4-Dimethylphenol	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	111-91-1	bis(2-Chloroethoxy)methane	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	120-83-2	2,4-Dichlorophenol	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	91-20-3	Naphthalene	13	JEB	ug/Kg	55	87.6	1	8270	I	Blank Action & Uncertain due to quantitation below calibration range
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	106-47-8	4-Chloroaniline	55	UJ	ug/Kg	55	87.6	1	8270	L	Low LCS recovery
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	87-68-3	Hexachlorobutadiene	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	105-60-2	Caprolactam	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	59-50-7	4-Chloro-3-methylphenol	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	91-57-6	2-Methylnaphthalene	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	77-47-4	Hexachlorocyclopentadiene	55	UJ	ug/Kg	55	87.6	1	8270	I	ICAL out
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	88-06-2	2,4,6-Trichlorophenol	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	95-95-4	2,4,5-Trichlorophenol	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	92-52-4	Biphenyl	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	91-58-7	2-Chloronaphthalene	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	88-74-4	2-Nitroaniline	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	131-11-3	Dimethylphthalate	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	606-20-2	2,6-Dinitrotoluene	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	208-96-8	Acenaphthylene	33	J	ug/Kg	55	87.6	1	8270	I	Uncertain due to quantitation below calibration range
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	99-09-2	3-Nitroaniline	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	83-32-9	Acenaphthene	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	51-28-5	2,4-Dinitrophenol	55	UJ	ug/Kg	55	87.6	1	8270	I	ICAL out & Low Calibration verification
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	100-02-7	4-Nitrophenol	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	132-64-9	Dibenzofuran	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	121-14-2	2,4-Dinitrotoluene	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	84-66-2	Diethylphthalate	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	86-73-7	Fluorene	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	7005-72-3	4-Chlorophenyl-phenylether	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	100-01-6	4-Nitroaniline	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	534-52-1	4,6-Dinitro-2-methylphenol	55	UJ	ug/Kg	55	87.6	1	8270	I	ICAL out
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	86-30-6	n-Nitrosodiphenylamine	55	U	ug/Kg	55	87.6	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	101-55-3	4-Bromophenyl-phenylether	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	118-74-1	Hexachlorobenzene	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	1912-24-9	Atrazine	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	87-86-5	Pentachlorophenol	110	UJ	ug/Kg	110	87.6	1	8270	L	Low LCS recovery & Low Calibration verification
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	85-01-8	Phenanthrene	130	J	ug/Kg	55	87.6	1	8270	I	FD imprecision
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	120-12-7	Anthracene	69		ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	86-74-8	Carbazole	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	84-74-2	Di-n-butylphthalate	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	206-44-0	Fluoranthene	400	J	ug/Kg	55	87.6	1	8270	I	FD imprecision
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	129-00-0	Pyrene	400	J	ug/Kg	55	87.6	1	8270	I	FD imprecision
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	85-68-7	Butylbenzylphthalate	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	91-94-1	3,3'-Dichlorobenzidine	55	UJ	ug/Kg	55	87.6	1	8270	L	Low LCS recovery
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	56-55-3	Benz[a]anthracene	260	J	ug/Kg	55	87.6	1	8270	I	FD imprecision
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	218-01-9	Chrysene	240	J	ug/Kg	55	87.6	1	8270	I	FD imprecision
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	117-81-7	bis(2-Ethylhexyl)phthalate	55	U	ug/Kg	55	87.6	1	8270		Blank Action
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	117-84-0	Di-n-octylphthalate	55	U	ug/Kg	55	87.6	1	8270		
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	205-99-2	Benzo[b]fluoranthene	230	J	ug/Kg	55	87.6	1	8270	I	FD imprecision
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	207-08-9	Benzo[k]fluoranthene	130	J	ug/Kg	55	87.6	1	8270	I	FD imprecision
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	07/01/2004	50-32-8	Benzo[a]pyrene	230	J	ug/Kg	22	87.6	4	PAH SIM	I	FD imprecision
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	193-39-5	Indeno[1,2,3-cd]pyrene	110	J	ug/Kg	55	87.6	1	8270	I	FD imprecision
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	53-70-3	Dibenz[a,h]anthracene	35	J	ug/Kg	55	87.6	1	8270	I	Uncertain due to quantitation below calibration range
SCE-025	0406097-06	SO	06/16/2004	06/19/2004	06/29/2004	191-24-2	Benzo[g,h,i]perylene	120	J	ug/Kg	55	87.6	1	8270	I	FD imprecision
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	100-52-7	Benzaldehyde	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	108-95-2	Phenol	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	95-57-8	2-Chlorophenol	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	111-44-4	bis(2-Chloroethyl)ether	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	95-48-7	2-Methylphenol	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	108-60-1	bis(2-chloroisopropyl)ether	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	98-86-2	Acetophenone	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	106-44-5	4-Methylphenol	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	07/01/2004	621-64-7	n-Nitroso-di-n-propylamine	210	U	ng/L	210		4	PAH SIM		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	67-72-1	Hexachloroethane	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	98-95-3	Nitrobenzene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	78-59-1	Isophorone	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	88-75-5	2-Nitrophenol	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	105-67-9	2,4-Dimethylphenol	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	111-91-1	bis(2-Chloroethoxy)methane	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	120-83-2	2,4-Dichlorophenol	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	91-20-3	Naphthalene	0.20	J	ug/L	0.52		1	8270	I	Uncertain due to quantitation below calibration range
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	106-47-8	4-Chloroaniline	0.52	UJ	ug/L	0.52		1	8270	L	Low LCS recovery
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	87-68-3	Hexachlorobutadiene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	105-60-2	Caprolactam	0.52	UJ	ug/L	0.52		1	8270	L	Low LCS recovery
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	59-50-7	4-Chloro-3-methylphenol	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	91-57-6	2-Methylnaphthalene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	77-47-4	Hexachlorocyclopentadiene	0.52	UJ	ug/L	0.52		1	8270	I	ICAL out
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	88-06-2	2,4,6-Trichlorophenol	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	95-95-4	2,4,5-Trichlorophenol	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	92-52-4	Biphenyl	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	91-58-7	2-Chloronaphthalene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	88-74-4	2-Nitroaniline	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	131-11-3	Dimethylphthalate	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	606-20-2	2,6-Dinitrotoluene	0.52	U	ug/L	0.52		1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	208-96-8	Acenaphthylene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	99-09-2	3-Nitroaniline	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	83-32-9	Acenaphthene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	51-28-5	2,4-Dinitrophenol	0.52	UJ	ug/L	0.52		1	8270	I	ICAL out
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	100-02-7	4-Nitrophenol	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	132-64-9	Dibenzofuran	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	121-14-2	2,4-Dinitrotoluene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	84-66-2	Diethylphthalate	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	86-73-7	Fluorene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	7005-72-3	4-Chlorophenyl-phenylether	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	100-01-6	4-Nitroaniline	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	534-52-1	4,6-Dinitro-2-methylphenol	0.52	UJ	ug/L	0.52		1	8270	I	ICAL out
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	86-30-6	n-Nitrosodiphenylamine	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	101-55-3	4-Bromophenyl-phenylether	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	118-74-1	Hexachlorobenzene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	1912-24-9	Atrazine	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	87-86-5	Pentachlorophenol	1.0	U	ug/L	1.0		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	85-01-8	Phenanthrene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	120-12-7	Anthracene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	86-74-8	Carbazole	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	84-74-2	Di-n-butylphthalate	0.52	U	ug/L	0.52		1	8270		Blank Action
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	206-44-0	Fluoranthene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	129-00-0	Pyrene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	85-68-7	Butylbenzylphthalate	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	91-94-1	3,3'-Dichlorobenzidine	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	56-55-3	Benz[a]anthracene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	218-01-9	Chrysene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.52	U	ug/L	0.52		1	8270		Blank Action
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	117-84-0	Di-n-octylphthalate	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	205-99-2	Benzo[b]fluoranthene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	207-08-9	Benzo[k]fluoranthene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	07/01/2004	50-32-8	Benzo[a]pyrene	210	U	ng/L	210		4	PAH SIM		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	53-70-3	Dibenz[a,h]anthracene	0.52	U	ug/L	0.52		1	8270		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/28/2004	191-24-2	Benzo[g,h,i]perylene	0.52	U	ug/L	0.52		1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	100-52-7	Benzaldehyde	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	108-95-2	Phenol	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	95-57-8	2-Chlorophenol	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	111-44-4	bis(2-Chloroethyl)ether	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	95-48-7	2-Methylphenol	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	108-60-1	bis(2-chloroisopropyl)ether	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	98-86-2	Acetophenone	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	106-44-5	4-Methylphenol	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	07/01/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	86.1	4	PAH SIM		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	67-72-1	Hexachloroethane	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	98-95-3	Nitrobenzene	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	78-59-1	Isophorone	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	88-75-5	2-Nitrophenol	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	105-67-9	2,4-Dimethylphenol	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	111-91-1	bis(2-Chloroethoxy)methane	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	120-83-2	2,4-Dichlorophenol	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	91-20-3	Naphthalene	13	JEB	ug/Kg	56	86.1	1	8270	I	Blank Action & Uncertain due to quantitation below calibration range

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	106-47-8	4-Chloroaniline	56	UJ	ug/Kg	56	86.1	1	8270	L	Low LCS recovery
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	87-68-3	Hexachlorobutadiene	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	105-60-2	Caprolactam	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	59-50-7	4-Chloro-3-methylphenol	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	91-57-6	2-Methylnaphthalene	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	77-47-4	Hexachlorocyclopentadiene	56	UJ	ug/Kg	56	86.1	1	8270	I	ICAL out
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	88-06-2	2,4,6-Trichlorophenol	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	95-95-4	2,4,5-Trichlorophenol	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	92-52-4	Biphenyl	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	91-58-7	2-Chloronaphthalene	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	88-74-4	2-Nitroaniline	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	131-11-3	Dimethylphthalate	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	606-20-2	2,6-Dinitrotoluene	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	208-96-8	Acenaphthylene	32	J	ug/Kg	56	86.1	1	8270	I	Uncertain due to quantitation below calibration range
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	99-09-2	3-Nitroaniline	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	83-32-9	Acenaphthene	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	51-28-5	2,4-Dinitrophenol	56	UJ	ug/Kg	56	86.1	1	8270	I	ICAL out & Low Calibration verification
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	100-02-7	4-Nitrophenol	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	132-64-9	Dibenzofuran	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	121-14-2	2,4-Dinitrotoluene	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	84-66-2	Diethylphthalate	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	86-73-7	Fluorene	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	7005-72-3	4-Chlorophenyl-phenylether	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	100-01-6	4-Nitroaniline	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	534-52-1	4,6-Dinitro-2-methylphenol	56	UJ	ug/Kg	56	86.1	1	8270	I	ICAL out
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	86-30-6	n-Nitrosodiphenylamine	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	101-55-3	4-Bromophenyl-phenylether	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	118-74-1	Hexachlorobenzene	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	1912-24-9	Atrazine	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	87-86-5	Pentachlorophenol	110	UJ	ug/Kg	110	86.1	1	8270	L	Low LCS recovery & Low Calibration verification
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	85-01-8	Phenanthrene	110		ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	120-12-7	Anthracene	38	J	ug/Kg	56	86.1	1	8270	I	Uncertain due to quantitation below calibration range
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	86-74-8	Carbazole	12	J	ug/Kg	56	86.1	1	8270	I	Uncertain due to quantitation below calibration range
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	84-74-2	Di-n-butylphthalate	56	U	ug/Kg	56	86.1	1	8270		Blank Action
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	206-44-0	Fluoranthene	180		ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	129-00-0	Pyrene	200		ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	85-68-7	Butylbenzylphthalate	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	91-94-1	3,3'-Dichlorobenzidine	56	UJ	ug/Kg	56	86.1	1	8270	L	Low LCS recovery
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	56-55-3	Benz[a]anthracene	120		ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	218-01-9	Chrysene	120		ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	117-81-7	bis(2-Ethylhexyl)phthalate	56	U	ug/Kg	56	86.1	1	8270		Blank Action
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	117-84-0	Di-n-octylphthalate	56	U	ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	205-99-2	Benzo[b]fluoranthene	110		ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	207-08-9	Benzo[k]fluoranthene	78		ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	07/01/2004	50-32-8	Benzo[a]pyrene	120		ug/Kg	22	86.1	4	PAH SIM		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	193-39-5	Indeno[1,2,3-cd]pyrene	60		ug/Kg	56	86.1	1	8270		
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	53-70-3	Dibenz[a,h]anthracene	19	J	ug/Kg	56	86.1	1	8270	I	Uncertain due to quantitation below calibration range
SC-028	0406097-11	SO	06/17/2004	06/19/2004	06/29/2004	191-24-2	Benzo[g,h,i]perylene	74		ug/Kg	56	86.1	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	100-52-7	Benzaldehyde	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	108-95-2	Phenol	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	95-57-8	2-Chlorophenol	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	111-44-4	bis(2-Chloroethyl)ether	56	U	ug/Kg	56	83.9	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	95-48-7	2-Methylphenol	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	108-60-1	bis(2-chloroisopropyl)ether	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	98-86-2	Acetophenone	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	106-44-5	4-Methylphenol	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	07/01/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	83.9	4	PAH SIM		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	67-72-1	Hexachloroethane	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	98-95-3	Nitrobenzene	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	78-59-1	Isophorone	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	88-75-5	2-Nitrophenol	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	105-67-9	2,4-Dimethylphenol	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	111-91-1	bis(2-Chloroethoxy)methane	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	120-83-2	2,4-Dichlorophenol	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	91-20-3	Naphthalene	15	JEB	ug/Kg	56	83.9	1	8270	I	Blank Action & Uncertain due to quantitation below calibration range
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	106-47-8	4-Chloroaniline	56	UJ	ug/Kg	56	83.9	1	8270	L	Low LCS recovery
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	87-68-3	Hexachlorobutadiene	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	105-60-2	Caprolactam	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	59-50-7	4-Chloro-3-methylphenol	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	91-57-6	2-Methylnaphthalene	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	77-47-4	Hexachlorocyclopentadiene	56	UJ	ug/Kg	56	83.9	1	8270	I	ICAL out
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	88-06-2	2,4,6-Trichlorophenol	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	95-95-4	2,4,5-Trichlorophenol	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	92-52-4	Biphenyl	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	91-58-7	2-Chloronaphthalene	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	88-74-4	2-Nitroaniline	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	131-11-3	Dimethylphthalate	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	606-20-2	2,6-Dinitrotoluene	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	208-96-8	Acenaphthylene	20	J	ug/Kg	56	83.9	1	8270	I	Uncertain due to quantitation below calibration range
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	99-09-2	3-Nitroaniline	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	83-32-9	Acenaphthene	18	J	ug/Kg	56	83.9	1	8270	I	Uncertain due to quantitation below calibration range
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	51-28-5	2,4-Dinitrophenol	56	UJ	ug/Kg	56	83.9	1	8270	I	ICAL out & Low Calibration verification
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	100-02-7	4-Nitrophenol	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	132-64-9	Dibenzofuran	12	J	ug/Kg	56	83.9	1	8270	I	Uncertain due to quantitation below calibration range
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	121-14-2	2,4-Dinitrotoluene	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	84-66-2	Diethylphthalate	16	J	ug/Kg	56	83.9	1	8270	I	Uncertain due to quantitation below calibration range
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	86-73-7	Fluorene	22	J	ug/Kg	56	83.9	1	8270	I	Uncertain due to quantitation below calibration range
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	7005-72-3	4-Chlorophenyl-phenylether	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	100-01-6	4-Nitroaniline	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	534-52-1	4,6-Dinitro-2-methylphenol	56	UJ	ug/Kg	56	83.9	1	8270	I	ICAL out
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	86-30-6	n-Nitrosodiphenylamine	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	101-55-3	4-Bromophenyl-phenylether	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	118-74-1	Hexachlorobenzene	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	1912-24-9	Atrazine	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	87-86-5	Pentachlorophenol	110	UJ	ug/Kg	110	83.9	1	8270	L	Low LCS recovery & Low Calibration verification
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	85-01-8	Phenanthrene	260		ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	120-12-7	Anthracene	61		ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	86-74-8	Carbazole	21	J	ug/Kg	56	83.9	1	8270	I	Uncertain due to quantitation below calibration range
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	84-74-2	Di-n-butylphthalate	56	U	ug/Kg	56	83.9	1	8270		Blank Action
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	206-44-0	Fluoranthene	300		ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	129-00-0	Pyrene	300		ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	85-68-7	Butylbenzylphthalate	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	91-94-1	3,3'-Dichlorobenzidine	56	UJ	ug/Kg	56	83.9	1	8270	L	Low LCS recovery
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	56-55-3	Benz[a]anthracene	160		ug/Kg	56	83.9	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	218-01-9	Chrysene	150		ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	117-81-7	bis(2-Ethylhexyl)phthalate	71	U	ug/Kg	56	83.9	1	8270	H	Blank Action
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	117-84-0	Di-n-octylphthalate	56	U	ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	205-99-2	Benzo[b]fluoranthene	140		ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	207-08-9	Benzo[k]fluoranthene	76		ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	07/01/2004	50-32-8	Benzo[a]pyrene	130		ug/Kg	22	83.9	4	PAH SIM		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	193-39-5	Indeno[1,2,3-cd]pyrene	63		ug/Kg	56	83.9	1	8270		
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	53-70-3	Dibenz[a,h]anthracene	19	J	ug/Kg	56	83.9	1	8270	I	Uncertain due to quantitation below calibration range
SC-027	0406097-12	SO	06/17/2004	06/19/2004	06/29/2004	191-24-2	Benzo[g,h,i]perylene	74		ug/Kg	56	83.9	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	100-52-7	Benzaldehyde	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	108-95-2	Phenol	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	95-57-8	2-Chlorophenol	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	111-44-4	bis(2-Chloroethyl)ether	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	95-48-7	2-Methylphenol	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	108-60-1	bis(2-chloroisopropyl)ether	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	98-86-2	Acetophenone	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	106-44-5	4-Methylphenol	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	07/01/2004	621-64-7	n-Nitroso-di-n-propylamine	23	U	ug/Kg	23	83.0	4	PAH SIM		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	67-72-1	Hexachloroethane	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	98-95-3	Nitrobenzene	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	78-59-1	Isophorone	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	88-75-5	2-Nitrophenol	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	105-67-9	2,4-Dimethylphenol	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	111-91-1	bis(2-Chloroethoxy)methane	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	120-83-2	2,4-Dichlorophenol	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	91-20-3	Naphthalene	17	JEB	ug/Kg	58	83.0	1	8270	I	Blank Action & Uncertain due to quantitation below calibration range
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	106-47-8	4-Chloroaniline	58	UJ	ug/Kg	58	83.0	1	8270	L	Low LCS recovery
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	87-68-3	Hexachlorobutadiene	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	105-60-2	Caprolactam	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	59-50-7	4-Chloro-3-methylphenol	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	91-57-6	2-Methylnaphthalene	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	77-47-4	Hexachlorocyclopentadiene	58	UJ	ug/Kg	58	83.0	1	8270	I	ICAL out
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	88-06-2	2,4,6-Trichlorophenol	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	95-95-4	2,4,5-Trichlorophenol	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	92-52-4	Biphenyl	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	91-58-7	2-Chloronaphthalene	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	88-74-4	2-Nitroaniline	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	131-11-3	Dimethylphthalate	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	606-20-2	2,6-Dinitrotoluene	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	208-96-8	Acenaphthylene	18	J	ug/Kg	58	83.0	1	8270	I	Uncertain due to quantitation below calibration range
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	99-09-2	3-Nitroaniline	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	83-32-9	Acenaphthene	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	51-28-5	2,4-Dinitrophenol	58	UJ	ug/Kg	58	83.0	1	8270	I	ICAL out & Low Calibration verification
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	100-02-7	4-Nitrophenol	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	132-64-9	Dibenzofuran	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	121-14-2	2,4-Dinitrotoluene	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	84-66-2	Diethylphthalate	14	J	ug/Kg	58	83.0	1	8270	I	Uncertain due to quantitation below calibration range
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	86-73-7	Fluorene	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	7005-72-3	4-Chlorophenyl-phenylether	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	100-01-6	4-Nitroaniline	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	534-52-1	4,6-Dinitro-2-methylphenol	58	UJ	ug/Kg	58	83.0	1	8270	I	ICAL out
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	86-30-6	n-Nitrosodiphenylamine	58	U	ug/Kg	58	83.0	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	101-55-3	4-Bromophenyl-phenylether	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	118-74-1	Hexachlorobenzene	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	1912-24-9	Atrazine	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	87-86-5	Pentachlorophenol	120	UJ	ug/Kg	120	83.0	1	8270	L	Low LCS recovery & Low Calibration verification
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	85-01-8	Phenanthrene	72		ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	120-12-7	Anthracene	22	J	ug/Kg	58	83.0	1	8270	I	Uncertain due to quantitation below calibration range
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	86-74-8	Carbazole	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	84-74-2	Di-n-butylphthalate	58	U	ug/Kg	58	83.0	1	8270		Blank Action
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	206-44-0	Fluoranthene	130		ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	129-00-0	Pyrene	160		ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	85-68-7	Butylbenzylphthalate	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	91-94-1	3,3'-Dichlorobenzidine	58	UJ	ug/Kg	58	83.0	1	8270	L	Low LCS recovery
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	56-55-3	Benz[a]anthracene	84		ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	218-01-9	Chrysene	80		ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	117-81-7	bis(2-Ethylhexyl)phthalate	61	U	ug/Kg	58	83.0	1	8270	H	Blank Action
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	117-84-0	Di-n-octylphthalate	58	U	ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	205-99-2	Benzo[b]fluoranthene	71		ug/Kg	58	83.0	1	8270		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	207-08-9	Benzo[k]fluoranthene	63	J	ug/Kg	58	83.0	1	8270	I	Uncertain due to quantitation below calibration range
SC-029	0406097-13	SO	06/17/2004	06/19/2004	07/01/2004	50-32-8	Benzo[a]pyrene	79		ug/Kg	23	83.0	4	PAH SIM		
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	193-39-5	Indeno[1,2,3-cd]pyrene	40	J	ug/Kg	58	83.0	1	8270	I	Uncertain due to quantitation below calibration range
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	53-70-3	Dibenz[a,h]anthracene	14	J	ug/Kg	58	83.0	1	8270	I	Uncertain due to quantitation below calibration range
SC-029	0406097-13	SO	06/17/2004	06/19/2004	06/29/2004	191-24-2	Benzo[g,h,i]perylene	51	J	ug/Kg	58	83.0	1	8270	I	Uncertain due to quantitation below calibration range
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	100-52-7	Benzaldehyde	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	108-95-2	Phenol	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	95-57-8	2-Chlorophenol	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	111-44-4	bis(2-Chloroethyl)ether	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	95-48-7	2-Methylphenol	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	108-60-1	bis(2-chloroisopropyl)ether	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	98-86-2	Acetophenone	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	106-44-5	4-Methylphenol	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	07/01/2004	621-64-7	n-Nitroso-di-n-propylamine	23	U	ug/Kg	23	85.8	4	PAH SIM		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	67-72-1	Hexachloroethane	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	98-95-3	Nitrobenzene	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	78-59-1	Isophorone	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	88-75-5	2-Nitrophenol	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	105-67-9	2,4-Dimethylphenol	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	111-91-1	bis(2-Chloroethoxy)methane	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	120-83-2	2,4-Dichlorophenol	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	91-20-3	Naphthalene	120	EB	ug/Kg	57	85.8	1	8270	H	Blank Action
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	106-47-8	4-Chloroaniline	57	UJ	ug/Kg	57	85.8	1	8270	L	Low LCS recovery
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	87-68-3	Hexachlorobutadiene	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	105-60-2	Caprolactam	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	59-50-7	4-Chloro-3-methylphenol	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	91-57-6	2-Methylnaphthalene	94		ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	77-47-4	Hexachlorocyclopentadiene	57	UJ	ug/Kg	57	85.8	1	8270	I	ICAL out
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	88-06-2	2,4,6-Trichlorophenol	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	95-95-4	2,4,5-Trichlorophenol	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	92-52-4	Biphenyl	31	J	ug/Kg	57	85.8	1	8270	I	Uncertain due to quantitation below calibration range
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	91-58-7	2-Chloronaphthalene	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	88-74-4	2-Nitroaniline	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	131-11-3	Dimethylphthalate	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	606-20-2	2,6-Dinitrotoluene	57	U	ug/Kg	57	85.8	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

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Soil Cover Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	208-96-8	Acenaphthylene	54	J	ug/Kg	57	85.8	1	8270	I	Uncertain due to quantitation below calibration range
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	99-09-2	3-Nitroaniline	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	83-32-9	Acenaphthene	420		ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	51-28-5	2,4-Dinitrophenol	57	UJ	ug/Kg	57	85.8	1	8270	I	ICAL out & Low Calibration verification
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	100-02-7	4-Nitrophenol	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	132-64-9	Dibenzofuran	330		ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	121-14-2	2,4-Dinitrotoluene	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	84-66-2	Diethylphthalate	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	86-73-7	Fluorene	400		ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	7005-72-3	4-Chlorophenyl-phenylether	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	100-01-6	4-Nitroaniline	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	534-52-1	4,6-Dinitro-2-methylphenol	57	UJ	ug/Kg	57	85.8	1	8270	I	ICAL out
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	86-30-6	n-Nitrosodiphenylamine	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	101-55-3	4-Bromophenyl-phenylether	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	118-74-1	Hexachlorobenzene	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	1912-24-9	Atrazine	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	87-86-5	Pentachlorophenol	110	UJ	ug/Kg	110	85.8	1	8270	L	Low LCS recovery & Low Calibration verification
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/30/2004	85-01-8	Phenanthrene	5200		ug/Kg	110	85.8	2	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	120-12-7	Anthracene	1100		ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	86-74-8	Carbazole	560		ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	84-74-2	Di-n-butylphthalate	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/30/2004	206-44-0	Fluoranthene	3800		ug/Kg	110	85.8	2	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/30/2004	129-00-0	Pyrene	3000		ug/Kg	110	85.8	2	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	85-68-7	Butylbenzylphthalate	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	91-94-1	3,3'-Dichlorobenzidine	57	UJ	ug/Kg	57	85.8	1	8270	L	Low LCS recovery
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	56-55-3	Benz[a]anthracene	1600		ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	218-01-9	Chrysene	1400		ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	117-81-7	bis(2-Ethylhexyl)phthalate	57	U	ug/Kg	57	85.8	1	8270		Blank Action
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	117-84-0	Di-n-octylphthalate	57	U	ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	205-99-2	Benzo[b]fluoranthene	1100		ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	207-08-9	Benzo[k]fluoranthene	640		ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	07/01/2004	50-32-8	Benzo[a]pyrene	1100		ug/Kg	23	85.8	4	PAH SIM		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	193-39-5	Indeno[1,2,3-cd]pyrene	410		ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	53-70-3	Dibenz[a,h]anthracene	160		ug/Kg	57	85.8	1	8270		
SC-030	0406097-14	SO	06/17/2004	06/19/2004	06/29/2004	191-24-2	Benzo[g,h,i]perylene	400		ug/Kg	57	85.8	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	100-52-7	Benzaldehyde	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	108-95-2	Phenol	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	95-57-8	2-Chlorophenol	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	111-44-4	bis(2-Chloroethyl)ether	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	95-48-7	2-Methylphenol	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	108-60-1	bis(2-chloroisopropyl)ether	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	98-86-2	Acetophenone	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	106-44-5	4-Methylphenol	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	07/01/2004	621-64-7	n-Nitroso-di-n-propylamine	23	U	ug/Kg	23	84.6	4	PAH SIM		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	67-72-1	Hexachloroethane	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	98-95-3	Nitrobenzene	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	78-59-1	Isophorone	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	88-75-5	2-Nitrophenol	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	105-67-9	2,4-Dimethylphenol	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	111-91-1	bis(2-Chloroethoxy)methane	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	120-83-2	2,4-Dichlorophenol	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	91-20-3	Naphthalene	18	JEB	ug/Kg	58	84.6	1	8270	I	Blank Action & Uncertain due to quantitation below calibration range

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	106-47-8	4-Chloroaniline	58	UJ	ug/Kg	58	84.6	1	8270	L	Low LCS recovery
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	87-68-3	Hexachlorobutadiene	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	105-60-2	Caprolactam	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	59-50-7	4-Chloro-3-methylphenol	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	91-57-6	2-Methylnaphthalene	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	77-47-4	Hexachlorocyclopentadiene	58	UJ	ug/Kg	58	84.6	1	8270	I	ICAL out
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	88-06-2	2,4,6-Trichlorophenol	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	95-95-4	2,4,5-Trichlorophenol	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	92-52-4	Biphenyl	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	91-58-7	2-Chloronaphthalene	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	88-74-4	2-Nitroaniline	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	131-11-3	Dimethylphthalate	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	606-20-2	2,6-Dinitrotoluene	58	U	ug/Kg	58	84.6	1	8270		-
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	208-96-8	Acenaphthylene	17	J	ug/Kg	58	84.6	1	8270	I	Uncertain due to quantitation below calibration range
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	99-09-2	3-Nitroaniline	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	83-32-9	Acenaphthene	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	51-28-5	2,4-Dinitrophenol	58	UJ	ug/Kg	58	84.6	1	8270	I	ICAL out + Low Calibration verification
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	100-02-7	4-Nitrophenol	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	132-64-9	Dibenzofuran	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	121-14-2	2,4-Dinitrotoluene	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	84-66-2	Diethylphthalate	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	86-73-7	Fluorene	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	7005-72-3	4-Chlorophenyl-phenylether	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	100-01-6	4-Nitroaniline	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	534-52-1	4,6-Dinitro-2-methylphenol	58	UJ	ug/Kg	58	84.6	1	8270	I	ICAL out
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	86-30-6	n-Nitrosodiphenylamine	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	101-55-3	4-Bromophenyl-phenylether	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	118-74-1	Hexachlorobenzene	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	1912-24-9	Atrazine	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	87-86-5	Pentachlorophenol	120	UJ	ug/Kg	120	84.6	1	8270	L	Low LCS recovery & Low Calibration verification
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	85-01-8	Phenanthrene	70		ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	120-12-7	Anthracene	22	J	ug/Kg	58	84.6	1	8270	I	Uncertain due to quantitation below calibration range
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	86-74-8	Carbazole	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	84-74-2	Di-n-butylphthalate	58	U	ug/Kg	58	84.6	1	8270		Blank Action
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	206-44-0	Fluoranthene	120		ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	129-00-0	Pyrene	140		ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	85-68-7	Butylbenzylphthalate	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	91-94-1	3,3'-Dichlorobenzidine	58	UJ	ug/Kg	58	84.6	1	8270	L	Low LCS recovery
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	56-55-3	Benz[a]anthracene	74		ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	218-01-9	Chrysene	75		ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	117-81-7	bis(2-Ethylhexyl)phthalate	58	U	ug/Kg	58	84.6	1	8270		Blank Action
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	117-84-0	Di-n-octylphthalate	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	205-99-2	Benzo[b]fluoranthene	59		ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	207-08-9	Benzo[k]fluoranthene	54	J	ug/Kg	58	84.6	1	8270	I	Uncertain due to quantitation below calibration range
SC-031	0406097-15	SO	06/17/2004	06/19/2004	07/01/2004	50-32-8	Benzo[a]pyrene	70		ug/Kg	23	84.6	4	PAH SIM		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	193-39-5	Indeno[1,2,3-cd]pyrene	35	J	ug/Kg	58	84.6	1	8270	I	Uncertain due to quantitation below calibration range
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	53-70-3	Dibenz[a,h]anthracene	58	U	ug/Kg	58	84.6	1	8270		
SC-031	0406097-15	SO	06/17/2004	06/19/2004	06/29/2004	191-24-2	Benzo[g,h,i]perylene	45	J	ug/Kg	58	84.6	1	8270	I	Uncertain due to quantitation below calibration range

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	51207-31-9	2,3,7,8-TCDF	0.91	J	ng/Kg	0.22	0.90	1	SW-8290	I	Result uncertain below the calibration range
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	1746-01-6	2,3,7,8-TCDD	2.1		ng/Kg	0.22	0.90	1	SW-8290		
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	57117-41-6	1,2,3,7,8-PeCDF	1.1	UJ	ng/Kg	1.1	0.90	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	57117-31-4	2,3,4,7,8-PeCDF	1.3	J	ng/Kg	1.1	0.90	1	SW-8290	I	Result uncertain below the calibration range
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	40321-76-4	1,2,3,7,8-PeCDD	7.8		ng/Kg	1.1	0.90	1	SW-8290		
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	6.7		ng/Kg	1.1	0.90	1	SW-8290		
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	7.8	J	ng/Kg	1.1	0.90	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	5.9		ng/Kg	1.1	0.90	1	SW-8290		
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1.1	UJ	ng/Kg	1.1	0.90	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	5	J	ng/Kg	1.1	0.90	1	SW-8290	I	Result uncertain below the calibration range
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	55		ng/Kg	1.1	0.90	1	SW-8290		
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	19		ng/Kg	1.1	0.90	1	SW-8290		
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	150		ng/Kg	1.1	0.90	1	SW-8290		
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	8.7		ng/Kg	1.1	0.90	1	SW-8290		
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	1700		ng/Kg	1.5	0.90	1	SW-8290		RL = EDL
SC-022	105757132	SO	6/16/2004	6/21/2004	6/23/2004	39001-02-0	OCDF	570		ng/Kg	2.2	0.90	1	SW-8290		
SC-022	105757132	SO	6/16/2004	6/21/2004	6/24/2004	3268-87-9	OCDD	33000		ng/Kg	43	0.90	20	SW-8290		
SC-022	105757132	SO	6/16/2004	6/21/2004			TEQ using 89-ITE-Factors	68		ng/Kg		0.90		SW-8290		
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	51207-31-9	2,3,7,8-TCDF	0.81	J	ng/Kg	0.23	0.90	1	SW-8290	I	Result uncertain below the calibration range
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	1746-01-6	2,3,7,8-TCDD	1.8		ng/Kg	0.25	0.90	1	SW-8290		RL = EDL
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	57117-41-6	1,2,3,7,8-PeCDF	1.1	UJ	ng/Kg	1.1	0.90	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	57117-31-4	2,3,4,7,8-PeCDF	1.1	UJ	ng/Kg	1.1	0.90	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	40321-76-4	1,2,3,7,8-PeCDD	6.7		ng/Kg	1.1	0.90	1	SW-8290		
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	70648-26-9	1,2,3,4,7,8-HxCDF	3	J	ng/Kg	1.1	0.90	1	SW-8290	I	Result uncertain below the calibration range
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	57117-44-9	1,2,3,6,7,8-HxCDF	6.5	J	ng/Kg	1.1	0.90	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	60851-34-5	2,3,4,6,7,8-HxCDF	4.2	J	ng/Kg	1.1	0.90	1	SW-8290	I	Result uncertain below the calibration range
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1.1	UJ	ng/Kg	1.1	0.90	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	39227-28-6	1,2,3,4,7,8-HxCDD	6.6		ng/Kg	1.1	0.90	1	SW-8290		
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	57653-85-7	1,2,3,6,7,8-HxCDD	48		ng/Kg	1.1	0.90	1	SW-8290		
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	19408-74-3	1,2,3,7,8,9-HxCDD	21		ng/Kg	1.1	0.90	1	SW-8290		
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	74		ng/Kg	1.1	0.90	1	SW-8290		
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	5.5	J	ng/Kg	1.1	0.90	1	SW-8290	I	Result uncertain below the calibration range
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	890		ng/Kg	1.1	0.90	1	SW-8290		
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	39001-02-0	OCDF	160		ng/Kg	2.3	0.90	1	SW-8290		
SC-023	105757140	SO	6/16/2004	6/21/2004	6/23/2004	3268-87-9	OCDD	15000		ng/Kg	2.3	0.90	1	SW-8290		
SC-023	105757140	SO	6/16/2004	6/21/2004			TEQ using 89-ITE-Factors	39		ng/Kg		0.90		SW-8290		
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	51207-31-9	2,3,7,8-TCDF	0.88	J	ng/Kg	0.21	0.90	1	SW-8290	I	Result uncertain below the calibration range
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	1746-01-6	2,3,7,8-TCDD	2		ng/Kg	0.21	0.90	1	SW-8290		
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	57117-41-6	1,2,3,7,8-PeCDF	1	UJ	ng/Kg	1	0.90	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	57117-31-4	2,3,4,7,8-PeCDF	1.1	J	ng/Kg	1	0.90	1	SW-8290	I	Result uncertain below the calibration range
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	40321-76-4	1,2,3,7,8-PeCDD	6.5		ng/Kg	1	0.90	1	SW-8290		
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	70648-26-9	1,2,3,4,7,8-HxCDF	1.8	J	ng/Kg	1	0.90	1	SW-8290	I	Result uncertain below the calibration range
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	57117-44-9	1,2,3,6,7,8-HxCDF	7.6	J	ng/Kg	1	0.90	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	60851-34-5	2,3,4,6,7,8-HxCDF	3.7	J	ng/Kg	1	0.90	1	SW-8290	I	Result uncertain below the calibration range
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	72918-21-9	1,2,3,7,8,9-HxCDF	2	J	ng/Kg	1	0.90	1	SW-8290	I	Result uncertain below the calibration range
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	39227-28-6	1,2,3,4,7,8-HxCDD	6.7		ng/Kg	1	0.90	1	SW-8290		
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	57653-85-7	1,2,3,6,7,8-HxCDD	55		ng/Kg	1	0.90	1	SW-8290		
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	19408-74-3	1,2,3,7,8,9-HxCDD	26		ng/Kg	1	0.90	1	SW-8290		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	65		ng/Kg	1	0.90	1	SW-8290		
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	3.4	J	ng/Kg	1	0.90	1	SW-8290	I	Result uncertain below the calibration range
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	710		ng/Kg	1.1	0.90	1	SW-8290		RL = EDL
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	39001-02-0	OCDF	130		ng/Kg	2.1	0.90	1	SW-8290		
SC-024	105757157	SO	6/16/2004	6/21/2004	6/24/2004	3268-87-9	OCDD	11000		ng/Kg	2.1	0.90	1	SW-8290		
SC-024	105757157	SO	6/16/2004	6/21/2004			TEQ using 89-ITE-Factors	34		ng/Kg		0.90		SW-8290		
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	51207-31-9	2,3,7,8-TCDF	0.92	J	ng/Kg	0.2	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	1746-01-6	2,3,7,8-TCDD	1.8		ng/Kg	0.2	0.89	1	SW-8290		
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	57117-41-6	1,2,3,7,8-PeCDF	1.2	J	ng/Kg	0.98	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	57117-31-4	2,3,4,7,8-PeCDF	1.3	J	ng/Kg	0.98	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	40321-76-4	1,2,3,7,8-PeCDD	7.7		ng/Kg	0.98	0.89	1	SW-8290		
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	70648-26-9	1,2,3,4,7,8-HxCDF	2.5	J	ng/Kg	0.98	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	57117-44-9	1,2,3,6,7,8-HxCDF	6.9	J	ng/Kg	0.98	0.89	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	60851-34-5	2,3,4,6,7,8-HxCDF	4.1	J	ng/Kg	0.98	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.98	UJ	ng/Kg	0.98	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	39227-28-6	1,2,3,4,7,8-HxCDD	6.4		ng/Kg	0.98	0.89	1	SW-8290		
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	57653-85-7	1,2,3,6,7,8-HxCDD	55		ng/Kg	0.98	0.89	1	SW-8290		
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	19408-74-3	1,2,3,7,8,9-HxCDD	23		ng/Kg	0.98	0.89	1	SW-8290		
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	80		ng/Kg	0.98	0.89	1	SW-8290		
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	4.1	J	ng/Kg	0.98	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	940		ng/Kg	1.9	0.89	1	SW-8290		RL = EDL
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	39001-02-0	OCDF	210		ng/Kg	2	0.89	1	SW-8290		
SC-025	105757165	SO	6/16/2004	6/21/2004	6/24/2004	3268-87-9	OCDD	16000		ng/Kg	9.8	0.89	5	SW-8290		
SC-025	105757165	SO	6/16/2004	6/21/2004			TEQ using 89-ITE-Factors	42		ng/Kg		0.89		SW-8290		
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	51207-31-9	2,3,7,8-TCDF	0.98	J	ng/Kg	0.21	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	1746-01-6	2,3,7,8-TCDD	1.6		ng/Kg	0.21	0.89	1	SW-8290		
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	57117-41-6	1,2,3,7,8-PeCDF	1	UJ	ng/Kg	1	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	57117-31-4	2,3,4,7,8-PeCDF	1	UJ	ng/Kg	1	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	40321-76-4	1,2,3,7,8-PeCDD	6.9		ng/Kg	1	0.89	1	SW-8290		
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	70648-26-9	1,2,3,4,7,8-HxCDF	2.7	J	ng/Kg	1	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	57117-44-9	1,2,3,6,7,8-HxCDF	5.3	J	ng/Kg	1	0.89	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	60851-34-5	2,3,4,6,7,8-HxCDF	2.9	J	ng/Kg	1	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1	UJ	ng/Kg	1	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	39227-28-6	1,2,3,4,7,8-HxCDD	6.8		ng/Kg	1	0.89	1	SW-8290		
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	57653-85-7	1,2,3,6,7,8-HxCDD	44		ng/Kg	1	0.89	1	SW-8290		
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	19408-74-3	1,2,3,7,8,9-HxCDD	23		ng/Kg	1	0.89	1	SW-8290		
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	57		ng/Kg	1	0.89	1	SW-8290		
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	2.5	J	ng/Kg	1	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	540		ng/Kg	1	0.89	1	SW-8290		
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	39001-02-0	OCDF	98		ng/Kg	2.1	0.89	1	SW-8290		
SC-026	105757173	SO	6/16/2004	6/21/2004	6/24/2004	3268-87-9	OCDD	7400		ng/Kg	2.1	0.89	1	SW-8290		
SC-026	105757173	SO	6/16/2004	6/21/2004			TEQ using 89-ITE-Factors	27		ng/Kg		0.89		SW-8290		
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	51207-31-9	2,3,7,8-TCDF	0.82	J	ng/Kg	0.18	0.88	1	SW-8290	I	Result uncertain below the calibration range
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	1746-01-6	2,3,7,8-TCDD	1.4		ng/Kg	0.19	0.88	1	SW-8290		RL = EDL
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	57117-41-6	1,2,3,7,8-PeCDF	0.92	UJ	ng/Kg	0.92	0.88	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	57117-31-4	2,3,4,7,8-PeCDF	1.1	J	ng/Kg	0.92	0.88	1	SW-8290	I	Result uncertain below the calibration range
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	40321-76-4	1,2,3,7,8-PeCDD	6		ng/Kg	0.92	0.88	1	SW-8290		
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	70648-26-9	1,2,3,4,7,8-HxCDF	2.7	J	ng/Kg	0.92	0.88	1	SW-8290	I	Result uncertain below the calibration range

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	57117-44-9	1,2,3,6,7,8-HxCDF	7.3	J	ng/Kg	0.92	0.88	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	60851-34-5	2,3,4,6,7,8-HxCDF	4.1	J	ng/Kg	0.92	0.88	1	SW-8290	I	Result uncertain below the calibration range
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1	J	ng/Kg	0.92	0.88	1	SW-8290	I	Result uncertain below the calibration range
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	39227-28-6	1,2,3,4,7,8-HxCDD	7.4		ng/Kg	0.92	0.88	1	SW-8290		
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	57653-85-7	1,2,3,6,7,8-HxCDD	49		ng/Kg	0.92	0.88	1	SW-8290		
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	19408-74-3	1,2,3,7,8,9-HxCDD	19		ng/Kg	0.92	0.88	1	SW-8290		
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	93		ng/Kg	0.92	0.88	1	SW-8290		
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	5.3		ng/Kg	0.92	0.88	1	SW-8290		
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	1000		ng/Kg	0.92	0.88	1	SW-8290		
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	39001-02-0	OCDF	280		ng/Kg	1.8	0.88	1	SW-8290		
SCE-025	105757181	SO	6/16/2004	6/21/2004	6/24/2004	3268-87-9	OCDD	18000		ng/Kg	18	0.88	10	SW-8290		
SCE-025	105757181	SO	6/16/2004	6/21/2004			TEQ using 89-ITE-Factors	42		ng/Kg		0.88		SW-8290		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	51207-31-9	2,3,7,8-TCDF	1.1		ng/Kg	0.17	0.87	1	SW-8290		
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	1746-01-6	2,3,7,8-TCDD	5.7		ng/Kg	0.2	0.87	1	SW-8290		RL = EDL
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	57117-41-6	1,2,3,7,8-PeCDF	1.9	J	ng/Kg	0.86	0.87	1	SW-8290	I	Result uncertain below the calibration range
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	57117-31-4	2,3,4,7,8-PeCDF	1.6	J	ng/Kg	0.86	0.87	1	SW-8290	I	Result uncertain below the calibration range
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	40321-76-4	1,2,3,7,8-PeCDD	28		ng/Kg	0.86	0.87	1	SW-8290		
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	70648-26-9	1,2,3,4,7,8-HxCDF	4.3		ng/Kg	0.86	0.87	1	SW-8290		
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	57117-44-9	1,2,3,6,7,8-HxCDF	16	J	ng/Kg	0.86	0.87	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	60851-34-5	2,3,4,6,7,8-HxCDF	5.1		ng/Kg	0.86	0.87	1	SW-8290		
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.86	UJ	ng/Kg	0.86	0.87	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	39227-28-6	1,2,3,4,7,8-HxCDD	28		ng/Kg	0.86	0.87	1	SW-8290		
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	57653-85-7	1,2,3,6,7,8-HxCDD	170		ng/Kg	0.86	0.87	1	SW-8290		
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	19408-74-3	1,2,3,7,8,9-HxCDD	74		ng/Kg	0.86	0.87	1	SW-8290		
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	100		ng/Kg	0.86	0.87	1	SW-8290		
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	4	J	ng/Kg	0.86	0.87	1	SW-8290	I	Result uncertain below the calibration range
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	1400		ng/Kg	0.86	0.87	1	SW-8290		
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	39001-02-0	OCDF	220		ng/Kg	1.7	0.87	1	SW-8290		
SC-028	105760201	SO	6/17/2004	6/21/2004	6/24/2004	3268-87-9	OCDD	17000		ng/Kg	17	0.87	10	SW-8290		
SC-028	105760201	SO	6/17/2004	6/21/2004			TEQ using 89-ITE-Factors	81		ng/Kg		0.87		SW-8290		
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	51207-31-9	2,3,7,8-TCDF	0.54	J	ng/Kg	0.17	0.82	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	1746-01-6	2,3,7,8-TCDD	2.3		ng/Kg	0.14	0.82	1	SW-8290		RL = EDL
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	57117-41-6	1,2,3,7,8-PeCDF	1.7	J	ng/Kg	0.67	0.82	1	SW-8290	I	Result uncertain below the calibration range
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	57117-31-4	2,3,4,7,8-PeCDF	0.68	J	ng/Kg	0.67	0.82	1	SW-8290	I	Result uncertain below the calibration range
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	40321-76-4	1,2,3,7,8-PeCDD	10		ng/Kg	0.67	0.82	1	SW-8290		
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	70648-26-9	1,2,3,4,7,8-HxCDF	9.4		ng/Kg	0.67	0.82	1	SW-8290		
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	57117-44-9	1,2,3,6,7,8-HxCDF	9.6	J	ng/Kg	0.67	0.82	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	60851-34-5	2,3,4,6,7,8-HxCDF	3.7		ng/Kg	0.67	0.82	1	SW-8290		
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.88	J	ng/Kg	0.67	0.82	1	SW-8290	I	Result uncertain below the calibration range
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	39227-28-6	1,2,3,4,7,8-HxCDD	10		ng/Kg	0.67	0.82	1	SW-8290		
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	57653-85-7	1,2,3,6,7,8-HxCDD	64		ng/Kg	0.67	0.82	1	SW-8290		
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	19408-74-3	1,2,3,7,8,9-HxCDD	31		ng/Kg	0.67	0.82	1	SW-8290		
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	79		ng/Kg	0.67	0.82	1	SW-8290		
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	4.7		ng/Kg	0.67	0.82	1	SW-8290		
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	930		ng/Kg	0.8	0.82	1	SW-8290		RL = EDL
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	39001-02-0	OCDF	300		ng/Kg	1.3	0.82	1	SW-8290		
SC-027	105760219	SO	6/17/2004	6/21/2004	6/24/2004	3268-87-9	OCDD	13000		ng/Kg	1.3	0.82	1	SW-8290		
SC-027	105760219	SO	6/17/2004	6/21/2004			TEQ using 89-ITE-Factors	42		ng/Kg		0.82		SW-8290		
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	51207-31-9	2,3,7,8-TCDF	0.88		ng/Kg	0.14	0.83	1	SW-8290		
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	1746-01-6	2,3,7,8-TCDD	2.6		ng/Kg	0.14	0.83	1	SW-8290		
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	57117-41-6	1,2,3,7,8-PeCDF	0.71	UJ	ng/Kg	0.71	0.83	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	57117-31-4	2,3,4,7,8-PeCDF	1.1	J	ng/Kg	0.71	0.83	1	SW-8290	I	Result uncertain below the calibration range
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	40321-76-4	1,2,3,7,8-PeCDD	14		ng/Kg	0.71	0.83	1	SW-8290		
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	70648-26-9	1,2,3,4,7,8-HxCDF	4.7		ng/Kg	0.71	0.83	1	SW-8290		
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	57117-44-9	1,2,3,6,7,8-HxCDF	13	J	ng/Kg	0.71	0.83	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE interference
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	60851-34-5	2,3,4,6,7,8-HxCDF	4.8		ng/Kg	0.71	0.83	1	SW-8290		
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.8	J	ng/Kg	0.71	0.83	1	SW-8290	I	Result uncertain below the calibration range
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	39227-28-6	1,2,3,4,7,8-HxCDD	11		ng/Kg	0.71	0.83	1	SW-8290		
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	57653-85-7	1,2,3,6,7,8-HxCDD	80		ng/Kg	0.71	0.83	1	SW-8290		
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	19408-74-3	1,2,3,7,8,9-HxCDD	39		ng/Kg	0.71	0.83	1	SW-8290		
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	92		ng/Kg	0.71	0.83	1	SW-8290		
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	5.3		ng/Kg	0.71	0.83	1	SW-8290		
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	1100		ng/Kg	0.71	0.83	1	SW-8290		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	39001-02-0	OCDF	520	J	ng/Kg	1.4	0.83	1	SW-8290	L	Low Calibration Verification
SC-029	105760227	SO	6/17/2004	6/21/2004	6/24/2004	3268-87-9	OCDD	15000		ng/Kg	1.4	0.83	1	SW-8290		
SC-029	105760227	SO	6/17/2004	6/21/2004			TEQ using 89-ITE-Factors	52		ng/Kg		0.83		SW-8290		
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	51207-31-9	2,3,7,8-TCDF	0.43	J	ng/Kg	0.17	0.86	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	1746-01-6	2,3,7,8-TCDD	1.6		ng/Kg	0.18	0.86	1	SW-8290		RL = EDL
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	57117-41-6	1,2,3,7,8-PeCDF	0.84	UJ	ng/Kg	0.84	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	57117-31-4	2,3,4,7,8-PeCDF	0.84	UJ	ng/Kg	0.84	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	40321-76-4	1,2,3,7,8-PeCDD	7.5		ng/Kg	0.84	0.86	1	SW-8290		
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	70648-26-9	1,2,3,4,7,8-HxCDF	2.5	J	ng/Kg	0.84	0.86	1	SW-8290	I	Result uncertain below the calibration range
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	57117-44-9	1,2,3,6,7,8-HxCDF	6.2	J	ng/Kg	0.84	0.86	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	60851-34-5	2,3,4,6,7,8-HxCDF	2.9	J	ng/Kg	0.84	0.86	1	SW-8290	I	Result uncertain below the calibration range
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.84	UJ	ng/Kg	0.84	0.86	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	39227-28-6	1,2,3,4,7,8-HxCDD	6.4		ng/Kg	0.84	0.86	1	SW-8290		
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	57653-85-7	1,2,3,6,7,8-HxCDD	42		ng/Kg	0.84	0.86	1	SW-8290		
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	19408-74-3	1,2,3,7,8,9-HxCDD	21		ng/Kg	0.84	0.86	1	SW-8290		
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	73		ng/Kg	0.84	0.86	1	SW-8290		
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	3.2	J	ng/Kg	0.84	0.86	1	SW-8290	I	Result uncertain below the calibration range
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	710		ng/Kg	0.84	0.86	1	SW-8290		
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	39001-02-0	OCDF	290	J	ng/Kg	1.7	0.86	1	SW-8290	L	Low Calibration Verification
SC-030	105760235	SO	6/17/2004	6/21/2004	6/24/2004	3268-87-9	OCDD	9500		ng/Kg	1.7	0.86	1	SW-8290		
SC-030	105760235	SO	6/17/2004	6/21/2004			TEQ using 89-ITE-Factors	30		ng/Kg		0.86		SW-8290		
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	51207-31-9	2,3,7,8-TCDF	0.93		ng/Kg	0.14	0.82	1	SW-8290		RL = EDL
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	1746-01-6	2,3,7,8-TCDD	3.6		ng/Kg	0.14	0.82	1	SW-8290		RL = EDL
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	57117-41-6	1,2,3,7,8-PeCDF	1.9	J	ng/Kg	0.68	0.82	1	SW-8290	I	Result uncertain below the calibration range
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	57117-31-4	2,3,4,7,8-PeCDF	1.2	J	ng/Kg	0.68	0.82	1	SW-8290	I	Result uncertain below the calibration range
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	40321-76-4	1,2,3,7,8-PeCDD	17		ng/Kg	0.68	0.82	1	SW-8290		
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	70648-26-9	1,2,3,4,7,8-HxCDF	7.3		ng/Kg	0.68	0.82	1	SW-8290		
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	57117-44-9	1,2,3,6,7,8-HxCDF	15	J	ng/Kg	0.68	0.82	1	SW-8290	H	Result = Estimated Maximum Possible Concentration (EMPC); PCDE Interference
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	60851-34-5	2,3,4,6,7,8-HxCDF	6.9		ng/Kg	0.68	0.82	1	SW-8290		
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1.4	J	ng/Kg	0.68	0.82	1	SW-8290	I	Result uncertain below the calibration range
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	39227-28-6	1,2,3,4,7,8-HxCDD	13		ng/Kg	0.68	0.82	1	SW-8290		
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	57653-85-7	1,2,3,6,7,8-HxCDD	97		ng/Kg	0.68	0.82	1	SW-8290		
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	19408-74-3	1,2,3,7,8,9-HxCDD	47		ng/Kg	0.68	0.82	1	SW-8290		
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	110		ng/Kg	0.68	0.82	1	SW-8290		
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	6.7		ng/Kg	0.68	0.82	1	SW-8290		
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	1300		ng/Kg	0.68	0.82	1	SW-8290		
SC-031	105760243	SO	6/17/2004	6/21/2004	6/24/2004	39001-02-0	OCDF	530	J	ng/Kg	1.4	0.82	1	SW-8290	L	Low Calibration Verification
SC-031	105760243	SO	6/17/2004	6/21/2004	6/25/2004	3268-87-9	OCDD	22000		ng/Kg	27	0.82	20	SW-8290		
SC-031	105760243	SO	6/17/2004	6/21/2004			TEQ using 89-ITE-Factors	67		ng/Kg		0.82		SW-8290		
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	51207-31-9	2,3,7,8-TCDF	0.002	UJ	ng/L	0.002		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	1746-01-6	2,3,7,8-TCDD	0.002	UJ	ng/L	0.002		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	57117-41-6	1,2,3,7,8-PeCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	57117-31-4	2,3,4,7,8-PeCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	40321-76-4	1,2,3,7,8-PeCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	70648-26-9	1,2,3,4,7,8-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	57117-44-9	1,2,3,6,7,8-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	39227-28-6	1,2,3,4,7,8-HxCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	57653-85-7	1,2,3,6,7,8-HxCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	19408-74-3	1,2,3,7,8,9-HxCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnit	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	39001-02-0	OCDF	0.02	UJ	ng/L	0.02		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-003	105760193	AQ	6/17/2004	6/22/2004	6/26/2004	3268-87-9	OCDD	0.078	UJ	ng/L	0.02		1	SW-8290	I	Blank Action & Result uncertain below the calibration range
RB-003	105760193	AQ	6/17/2004	6/22/2004			TEQ using 89-ITE-Factors	8E-05	UJ	ng/L				SW-8290	I	Blank Action & Result uncertain below the calibration range

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	50	U	ug/L	N/A	50		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	7500		mg/Kg	Dry	1.7	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	6100		mg/Kg	Dry	1.4	89.5	5	6020A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	6200		mg/Kg	Dry	1.5	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	6800		mg/Kg	Dry	1.8	88.4	5	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	7200		mg/Kg	Dry	1.7	88.0	5	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	7400		mg/Kg	Dry	1.6	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	6200		mg/Kg	Dry	1.8	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	7600		mg/Kg	Dry	1.8	83.0	5	6020A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	8100		mg/Kg	Dry	1.9	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/23/2004	7429-90-5	Aluminum	8400		mg/Kg	Dry	34	84.6	100	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	7000		mg/Kg	Dry	1.7	87.6	5	6020A		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-36-0	Antimony	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/23/2004	7440-36-0	Antimony	0.50	J	mg/Kg	Dry	0.082	88.3	5	6020A	L	MS low
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/23/2004	7440-36-0	Antimony	0.64	J	mg/Kg	Dry	0.082	89.5	5	6020A	L	MS low
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/23/2004	7440-36-0	Antimony	0.70	J	mg/Kg	Dry	0.086	87.5	5	6020A	L	MS low
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/23/2004	7440-36-0	Antimony	0.48	J	mg/Kg	Dry	0.081	88.4	5	6020A	L	MS low
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/23/2004	7440-36-0	Antimony	0.50	J	mg/Kg	Dry	0.092	88.0	5	6020A	L	MS low
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/23/2004	7440-36-0	Antimony	0.40	J	mg/Kg	Dry	0.086	83.9	5	6020A	L	MS low
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/23/2004	7440-36-0	Antimony	0.34	J	mg/Kg	Dry	0.091	86.1	5	6020A	L	MS low
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/23/2004	7440-36-0	Antimony	0.45	J	mg/Kg	Dry	0.084	83.0	5	6020A	L	MS low
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/23/2004	7440-36-0	Antimony	0.46	J	mg/Kg	Dry	0.090	85.8	5	6020A	L	MS low
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/23/2004	7440-36-0	Antimony	0.52	J	mg/Kg	Dry	0.080	84.6	5	6020A	L	MS low
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/23/2004	7440-36-0	Antimony	0.42	J	mg/Kg	Dry	0.090	87.6	5	6020A	L	MS low
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	4.0	J	mg/Kg	Dry	0.017	88.3	5	6020A	I	MD imprecision
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	3.0	J	mg/Kg	Dry	0.014	89.5	5	6020A	I	MD imprecision
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	3.1	J	mg/Kg	Dry	0.015	87.5	5	6020A	I	MD imprecision
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	3.5	J	mg/Kg	Dry	0.018	88.4	5	6020A	I	MD imprecision
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	3.7	J	mg/Kg	Dry	0.017	88.0	5	6020A	I	MD imprecision
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	4.7	J	mg/Kg	Dry	0.016	83.9	5	6020A	I	MD imprecision
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	2.9	J	mg/Kg	Dry	0.018	86.1	5	6020A	I	MD imprecision
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	3.6	J	mg/Kg	Dry	0.018	83.0	5	6020A	I	MD imprecision
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	4.2	J	mg/Kg	Dry	0.019	85.8	5	6020A	I	MD imprecision
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	3.3	J	mg/Kg	Dry	0.017	84.6	5	6020A	I	MD imprecision
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	3.9	J	mg/Kg	Dry	0.017	87.6	5	6020A	I	MD imprecision
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7440-39-3	Barium	42		mg/Kg	Dry	0.086	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7440-39-3	Barium	29		mg/Kg	Dry	0.070	89.5	5	6020A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect at estimated RL; J = Result is estimated; B = Analyte detected in non-matrix matched blank.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7440-39-3	Barium	28		mg/Kg	Dry	0.075	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7440-39-3	Barium	34		mg/Kg	Dry	0.088	88.4	5	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7440-39-3	Barium	30		mg/Kg	Dry	0.084	88.0	5	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	38		mg/Kg	Dry	0.082	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	35		mg/Kg	Dry	0.088	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	38		mg/Kg	Dry	0.091	83.0	5	6020A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	38		mg/Kg	Dry	0.095	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	37		mg/Kg	Dry	0.085	84.6	5	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7440-39-3	Barium	36		mg/Kg	Dry	0.083	87.6	5	6020A		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.28		mg/Kg	Dry	0.017	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.20		mg/Kg	Dry	0.014	89.5	5	6020A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.20		mg/Kg	Dry	0.015	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.24		mg/Kg	Dry	0.018	88.4	5	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.22		mg/Kg	Dry	0.017	88.0	5	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.28		mg/Kg	Dry	0.016	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.22		mg/Kg	Dry	0.018	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.27		mg/Kg	Dry	0.018	83.0	5	6020A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.25		mg/Kg	Dry	0.019	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.25		mg/Kg	Dry	0.017	84.6	5	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.24		mg/Kg	Dry	0.017	87.6	5	6020A		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	1.5		mg/Kg	Dry	0.017	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	1.4		mg/Kg	Dry	0.014	89.5	5	6020A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.59		mg/Kg	Dry	0.015	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.52	J	mg/Kg	Dry	0.018	88.4	5	6020A	I	FD imprecision
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.50		mg/Kg	Dry	0.017	88.0	5	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	1.0		mg/Kg	Dry	0.016	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.55		mg/Kg	Dry	0.018	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	1.6		mg/Kg	Dry	0.018	83.0	5	6020A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.56		mg/Kg	Dry	0.019	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	1.5		mg/Kg	Dry	0.017	84.6	5	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	1.2	J	mg/Kg	Dry	0.017	87.6	5	6020A	I	FD imprecision
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-70-2	Calcium	500	U	ug/L	N/A	500		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7440-70-2	Calcium	8000		mg/Kg	Dry	17	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7440-70-2	Calcium	4500		mg/Kg	Dry	14	89.5	5	6020A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7440-70-2	Calcium	4000		mg/Kg	Dry	15	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7440-70-2	Calcium	5500		mg/Kg	Dry	18	88.4	5	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7440-70-2	Calcium	4200		mg/Kg	Dry	17	88.0	5	6020A		

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Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

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Validated: 0_/_/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7440-70-2	Calcium	5900		mg/Kg	Dry	16	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7440-70-2	Calcium	6600		mg/Kg	Dry	18	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7440-70-2	Calcium	7100		mg/Kg	Dry	18	83.0	5	6020A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7440-70-2	Calcium	4400		mg/Kg	Dry	19	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/23/2004	7440-70-2	Calcium	10000		mg/Kg	Dry	340	84.6	100	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7440-70-2	Calcium	5800		mg/Kg	Dry	17	87.6	5	6020A		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	640	J	mg/Kg	Dry	0.086	88.3	5	6020A	H	MS high
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	330	J	mg/Kg	Dry	0.070	89.5	5	6020A	H	MS high
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	280	J	mg/Kg	Dry	0.075	87.5	5	6020A	H	MS high
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	190	J	mg/Kg	Dry	0.088	88.4	5	6020A	I	FD imprecision + MS high
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	200	J	mg/Kg	Dry	0.084	88.0	5	6020A	H	MS high
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	560	J	mg/Kg	Dry	0.082	83.9	5	6020A	H	MS high
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	420	J	mg/Kg	Dry	0.088	86.1	5	6020A	H	MS high
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	830	J	mg/Kg	Dry	0.091	83.0	5	6020A	H	MS high
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	350	J	mg/Kg	Dry	0.095	85.8	5	6020A	H	MS high
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	960	J	mg/Kg	Dry	0.17	84.6	10	6020A	H	MS high
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	400	J	mg/Kg	Dry	0.083	87.6	5	6020A	I	FD imprecision + MS high
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-48-4	Cobalt	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7440-48-4	Cobalt	9.1		mg/Kg	Dry	0.017	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7440-48-4	Cobalt	7.0		mg/Kg	Dry	0.014	89.5	5	6020A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7440-48-4	Cobalt	6.8		mg/Kg	Dry	0.015	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7440-48-4	Cobalt	9.0		mg/Kg	Dry	0.018	88.4	5	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7440-48-4	Cobalt	8.4		mg/Kg	Dry	0.017	88.0	5	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7440-48-4	Cobalt	8.3		mg/Kg	Dry	0.016	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7440-48-4	Cobalt	7.0		mg/Kg	Dry	0.018	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7440-48-4	Cobalt	9.0		mg/Kg	Dry	0.018	83.0	5	6020A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7440-48-4	Cobalt	8.7		mg/Kg	Dry	0.019	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7440-48-4	Cobalt	8.7		mg/Kg	Dry	0.017	84.6	5	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7440-48-4	Cobalt	8.2		mg/Kg	Dry	0.017	87.6	5	6020A		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7440-50-8	Copper	22		mg/Kg	Dry	0.086	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7440-50-8	Copper	17		mg/Kg	Dry	0.070	89.5	5	6020A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7440-50-8	Copper	19		mg/Kg	Dry	0.075	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7440-50-8	Copper	22		mg/Kg	Dry	0.088	88.4	5	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7440-50-8	Copper	18		mg/Kg	Dry	0.084	88.0	5	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	18		mg/Kg	Dry	0.082	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	20		mg/Kg	Dry	0.088	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	19		mg/Kg	Dry	0.091	83.0	5	6020A		

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SamplD	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	19		mg/Kg	Dry	0.095	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	21		mg/Kg	Dry	0.085	84.6	5	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7440-50-8	Copper	21		mg/Kg	Dry	0.083	87.6	5	6020A		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7439-89-6	Iron	250	U	ug/L	N/A	250		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/23/2004	7439-89-6	Iron	19000		mg/Kg	Dry	34	88.3	100	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/23/2004	7439-89-6	Iron	16000		mg/Kg	Dry	28	89.5	100	6020A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/23/2004	7439-89-6	Iron	16000		mg/Kg	Dry	30	87.5	100	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/23/2004	7439-89-6	Iron	17000		mg/Kg	Dry	35	88.4	100	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/23/2004	7439-89-6	Iron	17000		mg/Kg	Dry	34	88.0	100	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/23/2004	7439-89-6	Iron	17000		mg/Kg	Dry	33	83.9	100	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/23/2004	7439-89-6	Iron	15000		mg/Kg	Dry	35	86.1	100	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/23/2004	7439-89-6	Iron	20000		mg/Kg	Dry	36	83.0	100	6020A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/23/2004	7439-89-6	Iron	19000		mg/Kg	Dry	38	85.8	100	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/23/2004	7439-89-6	Iron	19000		mg/Kg	Dry	34	84.6	100	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/23/2004	7439-89-6	Iron	18000		mg/Kg	Dry	33	87.6	100	6020A		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7439-92-1	Lead	43		mg/Kg	Dry	0.017	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7439-92-1	Lead	25		mg/Kg	Dry	0.014	89.5	5	6020A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7439-92-1	Lead	35		mg/Kg	Dry	0.015	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7439-92-1	Lead	25		mg/Kg	Dry	0.018	88.4	5	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7439-92-1	Lead	24		mg/Kg	Dry	0.017	88.0	5	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	34		mg/Kg	Dry	0.016	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	30		mg/Kg	Dry	0.018	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	42		mg/Kg	Dry	0.018	83.0	5	6020A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	28		mg/Kg	Dry	0.019	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	46		mg/Kg	Dry	0.017	84.6	5	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7439-92-1	Lead	34		mg/Kg	Dry	0.017	87.6	5	6020A		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7439-95-4	Magnesium	91		ug/L	N/A	50		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7439-95-4	Magnesium	5100		mg/Kg	Dry	1.7	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7439-95-4	Magnesium	3500		mg/Kg	Dry	1.4	89.5	5	6020A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7439-95-4	Magnesium	3400		mg/Kg	Dry	1.5	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7439-95-4	Magnesium	4600		mg/Kg	Dry	1.60	88.4	5	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7439-95-4	Magnesium	4200		mg/Kg	Dry	1.7	88.0	5	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7439-95-4	Magnesium	3400		mg/Kg	Dry	1.6	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7439-95-4	Magnesium	3200		mg/Kg	Dry	1.8	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7439-95-4	Magnesium	3700		mg/Kg	Dry	1.8	83.0	5	6020A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7439-95-4	Magnesium	4000		mg/Kg	Dry	1.9	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7439-95-4	Magnesium	4200		mg/Kg	Dry	1.7	84.6	5	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7439-95-4	Magnesium	4100		mg/Kg	Dry	1.7	87.6	5	6020A		

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	25	U	ug/L	N/A	25		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	610	J	mg/Kg	Dry	2.6	88.3	5	6020A	H	MS high
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	380	J	mg/Kg	Dry	2.1	89.5	5	6020A	H	MS high
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	400	J	mg/Kg	Dry	2.3	87.5	5	6020A	H	MS high
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	450	J	mg/Kg	Dry	2.60	88.4	5	6020A	H	MS high
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	460	J	mg/Kg	Dry	2.5	88.0	5	6020A	H	MS high
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	490	J	mg/Kg	Dry	2.5	83.9	5	6020A	H	MS high
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	400	J	mg/Kg	Dry	2.6	86.1	5	6020A	H	MS high
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	540	J	mg/Kg	Dry	2.7	83.0	5	6020A	H	MS high
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	490	J	mg/Kg	Dry	2.9	85.8	5	6020A	H	MS high
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	540	J	mg/Kg	Dry	2.6	84.6	5	6020A	H	MS high
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	500	J	mg/Kg	Dry	2.5	87.6	5	6020A	H	MS high
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.20	U	ug/L	N/A	0.20		1	7470A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.44		mg/Kg	Dry	0.0065	88.3	1	7471A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.25		mg/Kg	Dry	0.0063	89.5	1	7471A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.27		mg/Kg	Dry	0.0064	87.5	1	7471A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.19	J	mg/Kg	Dry	0.0070	88.4	1	7471A	I	FD imprecision
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.25		mg/Kg	Dry	0.0064	88.0	1	7471A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.29		mg/Kg	Dry	0.0073	83.9	1	7471A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.22		mg/Kg	Dry	0.0070	86.1	1	7471A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.79		mg/Kg	Dry	0.014	83.0	2	7471A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.31		mg/Kg	Dry	0.0068	85.8	1	7471A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.42		mg/Kg	Dry	0.0063	84.6	1	7471A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.59	J	mg/Kg	Dry	0.0070	87.6	1	7471A	I	FD imprecision
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	5.0	U	ug/L	N/A	5.0		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	17		mg/Kg	Dry	0.086	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	13		mg/Kg	Dry	0.07	89.5	5	6020A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	13		mg/Kg	Dry	0.075	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	14		mg/Kg	Dry	0.088	88.4	5	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	15		mg/Kg	Dry	0.084	88.0	5	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	14		mg/Kg	Dry	0.082	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	14		mg/Kg	Dry	0.088	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	17		mg/Kg	Dry	0.091	83.0	5	6020A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	16		mg/Kg	Dry	0.095	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	16		mg/Kg	Dry	0.085	84.6	5	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	16		mg/Kg	Dry	0.083	87.6	5	6020A		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-09-7	Potassium	250	U	ug/L	N/A	250		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7440-09-7	Potassium	380		mg/Kg	Dry	1.7	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7440-09-7	Potassium	320		mg/Kg	Dry	1.4	89.5	5	6020A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect at estimated RL; J = Result is estimated; B = Analyte detected in non-matrix matched blank.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7440-09-7	Potassium	340		mg/Kg	Dry	1.5	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7440-09-7	Potassium	390		mg/Kg	Dry	1.8	88.4	5	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7440-09-7	Potassium	380		mg/Kg	Dry	1.7	88.0	5	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7440-09-7	Potassium	430		mg/Kg	Dry	1.6	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7440-09-7	Potassium	370		mg/Kg	Dry	1.8	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7440-09-7	Potassium	440		mg/Kg	Dry	1.8	83.0	5	6020A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7440-09-7	Potassium	460		mg/Kg	Dry	1.9	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7440-09-7	Potassium	450		mg/Kg	Dry	1.7	84.6	5	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7440-09-7	Potassium	370		mg/Kg	Dry	1.7	87.6	5	6020A		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	0.35	U	mg/Kg	Dry	0.35	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	0.28	U	mg/Kg	Dry	0.28	89.5	5	6020A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	0.30	U	mg/Kg	Dry	0.30	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	0.35	U	mg/Kg	Dry	0.35	88.4	5	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	0.34	U	mg/Kg	Dry	0.34	88.0	5	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	0.34		mg/Kg	Dry	0.33	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	0.35	U	mg/Kg	Dry	0.35	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	0.37	U	mg/Kg	Dry	0.37	83.0	5	6020A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	0.38	U	mg/Kg	Dry	0.380	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	0.34	U	mg/Kg	Dry	0.34	84.6	5	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	0.33	U	mg/Kg	Dry	0.33	87.6	5	6020A		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-22-4	Silver	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/23/2004	7440-22-4	Silver	0.20		mg/Kg	Dry	0.016	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/23/2004	7440-22-4	Silver	0.17		mg/Kg	Dry	0.016	89.5	5	6020A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/23/2004	7440-22-4	Silver	0.17		mg/Kg	Dry	0.017	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/23/2004	7440-22-4	Silver	0.34		mg/Kg	Dry	0.016	88.4	5	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/23/2004	7440-22-4	Silver	0.17		mg/Kg	Dry	0.018	88.0	5	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/23/2004	7440-22-4	Silver	0.14		mg/Kg	Dry	0.017	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/23/2004	7440-22-4	Silver	0.19		mg/Kg	Dry	0.018	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/23/2004	7440-22-4	Silver	0.14		mg/Kg	Dry	0.019	83.0	5	6020A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/23/2004	7440-22-4	Silver	0.12		mg/Kg	Dry	0.018	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/23/2004	7440-22-4	Silver	0.15		mg/Kg	Dry	0.016	84.6	5	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/23/2004	7440-22-4	Silver	0.24		mg/Kg	Dry	0.018	87.6	5	6020A		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	530		ug/L	N/A	50		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	28	B	mg/Kg	Dry	3.4	88.3	5	6020A	H	Blank action
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	21	B	mg/Kg	Dry	2.8	89.5	5	6020A	H	Blank action
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	23	B	mg/Kg	Dry	3.0	87.5	5	6020A	H	Blank action
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	19	B	mg/Kg	Dry	3.5	88.4	5	6020A	H	Blank action
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	21	B	mg/Kg	Dry	3.4	88.0	5	6020A	H	Blank action

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect at estimated RL; J = Result is estimated; B = Analyte detected in non-matrix matched blank.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	38	B	mg/Kg	Dry	3.3	83.9	5	6020A	H	Blank action
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	29	B	mg/Kg	Dry	3.5	86.1	5	6020A	H	Blank action
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	33	B	mg/Kg	Dry	3.6	83.0	5	6020A	H	Blank action
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	32	B	mg/Kg	Dry	3.8	85.8	5	6020A	H	Blank action
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	42	B	mg/Kg	Dry	3.4	84.6	5	6020A	H	Blank action
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	24	B	mg/Kg	Dry	3.3	87.6	5	6020A	H	Blank action
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.18		mg/Kg	Dry	0.017	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.070		mg/Kg	Dry	0.014	89.5	5	6020A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.062		mg/Kg	Dry	0.015	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.083		mg/Kg	Dry	0.018	88.4	5	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.065		mg/Kg	Dry	0.017	88.0	5	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.15		mg/Kg	Dry	0.016	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.069		mg/Kg	Dry	0.018	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.087		mg/Kg	Dry	0.018	83.0	5	6020A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.088		mg/Kg	Dry	0.019	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.077		mg/Kg	Dry	0.017	84.6	5	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.069		mg/Kg	Dry	0.017	87.6	5	6020A		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-62-2	Vanadium	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7440-62-2	Vanadium	8.6		mg/Kg	Dry	0.17	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7440-62-2	Vanadium	7.2		mg/Kg	Dry	0.14	89.5	5	6020A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7440-62-2	Vanadium	7.0		mg/Kg	Dry	0.15	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7440-62-2	Vanadium	7.4		mg/Kg	Dry	0.18	88.4	5	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7440-62-2	Vanadium	7.6		mg/Kg	Dry	0.17	88.0	5	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7440-62-2	Vanadium	8.0		mg/Kg	Dry	0.16	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7440-62-2	Vanadium	7.2		mg/Kg	Dry	0.18	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7440-62-2	Vanadium	9.7		mg/Kg	Dry	0.18	83.0	5	6020A		
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7440-62-2	Vanadium	8.4		mg/Kg	Dry	0.19	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7440-62-2	Vanadium	9.4		mg/Kg	Dry	0.17	84.6	5	6020A		
SCE-025	0406097-06	SO	06/16/2004	06/21/2004	06/22/2004	7440-62-2	Vanadium	8.4		mg/Kg	Dry	0.17	87.6	5	6020A		
RB-003	0406097-08	AQ	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	50	U	ug/L	N/A	50		5	6020A		
SC-022	0406097-01	SO	06/16/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	82		mg/Kg	Dry	0.35	88.3	5	6020A		
SC-023	0406097-02	SO	06/16/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	72		mg/Kg	Dry	0.28	89.5	5	6020A		
SC-024	0406097-03	SO	06/16/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	68		mg/Kg	Dry	0.30	87.5	5	6020A		
SC-025	0406097-04	SO	06/16/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	74		mg/Kg	Dry	0.35	88.4	5	6020A		
SC-026	0406097-05	SO	06/16/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	80		mg/Kg	Dry	0.34	88.0	5	6020A		
SC-027	0406097-12	SO	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	71		mg/Kg	Dry	0.33	83.9	5	6020A		
SC-028	0406097-11	SO	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	68		mg/Kg	Dry	0.35	86.1	5	6020A		
SC-029	0406097-13	SO	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	81		mg/Kg	Dry	0.37	83.0	5	6020A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect at estimated RL; J = Result is estimated; B = Analyte detected in non-matrix matched blank.
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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Soil Cover Sampling -- 2004

Validated: 07/14/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-030	0406097-14	SO	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	75		mg/Kg	Dry	0.38	85.8	5	6020A		
SC-031	0406097-15	SO	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	86		mg/Kg	Dry	0.34	84.6	5	6020A		
SCE-025	0406097-06	SO	06/18/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	77		mg/Kg	Dry	0.33	87.6	5	6020A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect at estimated RL; J = Result is estimated; B = Analyte detected in non-matrix matched blank.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

Pownal Tannery Su[illegible] Site, Pownal, VT
Soil Cover [illegible]pling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-032	0406125-01	SO	06/21/2004		06/28/2004	75-71-8	Dichlorodifluoromethane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	74-87-3	Chloromethane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	75-01-4	Vinyl chloride	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	74-83-9	Bromomethane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	75-00-3	Chloroethane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	75-69-4	Trichlorofluoromethane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	75-35-4	1,1-Dichloroethene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	79-20-9	Methyl acetate	3.4	U	ug/Kg	3.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	67-64-1	Acetone	3.4	U	ug/Kg	3.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	75-15-0	Carbon disulfide	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	75-09-2	Methylene chloride	3.4	U	ug/Kg	3.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	156-60-5	trans-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	75-34-3	1,1-Dichloroethane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	156-59-2	cis-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	78-93-3	2-Butanone (MEK)	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	110-82-7	Cyclohexane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	67-66-3	Chloroform	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	71-55-6	1,1,1-Trichloroethane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	56-23-5	Carbon tetrachloride	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	71-43-2	Benzene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	107-06-2	1,2-Dichloroethane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	79-01-6	Trichloroethene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	78-87-5	1,2-Dichloropropane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	75-27-4	Bromodichloromethane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	10061-01-5	cis-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	108-88-3	Toluene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	108-87-2	Methylcyclohexane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	10061-02-6	trans-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	79-00-5	1,1,2-Trichloroethane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	127-18-4	Tetrachloroethene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	591-78-6	2-Hexanone	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	124-48-1	Dibromochloromethane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	106-93-4	1,2-Dibromoethane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	108-90-7	Chlorobenzene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	100-41-4	Ethylbenzene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	1330-20-7	Xylenes, Total	4.1	U	ug/Kg	4.1	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	100-42-5	Styrene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	75-25-2	Bromoform	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	98-82-8	Isopropylbenzene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	541-73-1	1,3-Dichlorobenzene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	106-46-7	1,4-Dichlorobenzene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	95-50-1	1,2-Dichlorobenzene	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.4	U	ug/Kg	1.4	87.7	1	8260		
SC-032	0406125-01	SO	06/21/2004		06/28/2004	120-82-1	1,2,4-Trichlorobenzene	1.4	UJ	ug/Kg	1.4	87.7	1	8260	L	Low Calibration Verification
SC-033	0406125-02	SO	06/21/2004		06/28/2004	75-71-8	Dichlorodifluoromethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	74-87-3	Chloromethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	75-01-4	Vinyl chloride	1.4	U	ug/Kg	1.4	87.5	1	8260		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Soil Cover Sampling - 2004

SamplD	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-033	0406125-02	SO	06/21/2004		06/28/2004	74-83-9	Bromomethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	75-00-3	Chloroethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	75-69-4	Trichlorofluoromethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	75-35-4	1,1-Dichloroethene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	79-20-9	Methyl acetate	3.6	U	ug/Kg	3.6	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	67-64-1	Acetone	3.6	U	ug/Kg	3.6	87.5	1	8260		Blank Action
SC-033	0406125-02	SO	06/21/2004		06/28/2004	75-15-0	Carbon disulfide	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	75-09-2	Methylene chloride	3.6	U	ug/Kg	3.6	87.5	1	8260		Blank Action
SC-033	0406125-02	SO	06/21/2004		06/28/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	156-60-5	trans-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	75-34-3	1,1-Dichloroethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	156-59-2	cis-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	78-93-3	2-Butanone (MEK)	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	110-82-7	Cyclohexane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	67-66-3	Chloroform	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	71-55-6	1,1,1-Trichloroethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	56-23-5	Carbon tetrachloride	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	71-43-2	Benzene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	107-06-2	1,2-Dichloroethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	79-01-6	Trichloroethene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	78-87-5	1,2-Dichloropropane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	75-27-4	Bromodichloromethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	10061-01-5	cis-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	108-88-3	Toluene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	108-87-2	Methylcyclohexane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	10061-02-6	trans-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	79-00-5	1,1,2-Trichloroethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	127-18-4	Tetrachloroethene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	591-78-6	2-Hexanone	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	124-48-1	Dibromochloromethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	106-93-4	1,2-Dibromoethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	108-90-7	Chlorobenzene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	100-41-4	Ethylbenzene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	1330-20-7	Xylenes, Total	4.3	U	ug/Kg	4.3	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	100-42-5	Styrene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	75-25-2	Bromoform	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	98-82-8	Isopropylbenzene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	541-73-1	1,3-Dichlorobenzene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	106-46-7	1,4-Dichlorobenzene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	95-50-1	1,2-Dichlorobenzene	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.4	U	ug/Kg	1.4	87.5	1	8260		
SC-033	0406125-02	SO	06/21/2004		06/28/2004	120-82-1	1,2,4-Trichlorobenzene	1.4	UJ	ug/Kg	1.4	87.5	1	8260	L	Low Calibration Verification
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	75-71-8	Dichlorodifluoromethane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	74-87-3	Chloromethane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	75-01-4	Vinyl chloride	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	75-00-3	Chloroethane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	75-69-4	Trichlorofluoromethane	2.0	U	ug/L	2.0		1	8260		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

Pownal Tannery Superfund Site, Pownal, VT
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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	79-20-9	Methyl acetate	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	67-64-1	Acetone	5.0	UJ	ug/L	5.0		1	8260	L	Low Calibration Verification
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	75-15-0	Carbon disulfide	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0		1	8260		Blank Action
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	156-59-2	cis-1,2-Dichloroethene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	110-82-7	Cyclohexane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	71-43-2	Benzene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	78-87-5	1,2-Dichloropropane	4.0		ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	10061-01-5	cis-1,3-Dichloropropene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	108-88-3	Toluene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	108-87-2	Methylcyclohexane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	10061-02-6	trans-1,3-Dichloropropene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	79-00-5	1,1,2-Trichloroethane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	591-78-6	2-Hexanone	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	124-48-1	Dibromochloromethane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	106-93-4	1,2-Dibromoethane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	100-42-5	Styrene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	98-82-8	Isopropylbenzene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	96-12-8	1,2-Dibromo-3-chloropropane	2.0	U	ug/L	2.0		1	8260		
RB-004	0406125-03	AQ	06/21/2004		06/28/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0		1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	75-71-8	Dichlorodifluoromethane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	74-87-3	Chloromethane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	75-01-4	Vinyl chloride	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	74-83-9	Bromomethane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	75-00-3	Chloroethane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	75-69-4	Trichlorofluoromethane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	75-35-4	1,1-Dichloroethene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	79-20-9	Methyl acetate	3.8	U	ug/Kg	3.8	87.5	1	8260		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-034	0406125-04	SO	06/21/2004		06/28/2004	67-64-1	Acetone	3.8	U	ug/Kg	3.8	87.5	1	8260		Blank Action
SC-034	0406125-04	SO	06/21/2004		06/28/2004	75-15-0	Carbon disulfide	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	75-09-2	Methylene chloride	3.8	U	ug/Kg	3.8	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	156-60-5	trans-1,2-Dichloroethene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	75-34-3	1,1-Dichloroethane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	156-59-2	cis-1,2-Dichloroethene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	78-93-3	2-Butanone (MEK)	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	110-82-7	Cyclohexane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	67-66-3	Chloroform	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	71-55-6	1,1,1-Trichloroethane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	56-23-5	Carbon tetrachloride	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	71-43-2	Benzene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	107-06-2	1,2-Dichloroethane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	79-01-6	Trichloroethene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	78-87-5	1,2-Dichloropropane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	75-27-4	Bromodichloromethane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	10061-01-5	cis-1,3-Dichloropropene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	108-88-3	Toluene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	108-87-2	Methylcyclohexane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	10061-02-6	trans-1,3-Dichloropropene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	79-00-5	1,1,2-Trichloroethane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	127-18-4	Tetrachloroethene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	591-78-6	2-Hexanone	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	124-48-1	Dibromochloromethane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	106-93-4	1,2-Dibromoethane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	108-90-7	Chlorobenzene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	100-41-4	Ethylbenzene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	1330-20-7	Xylenes, Total	4.6	U	ug/Kg	4.6	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	100-42-5	Styrene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	75-25-2	Bromoform	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	98-82-8	Isopropylbenzene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	541-73-1	1,3-Dichlorobenzene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	106-46-7	1,4-Dichlorobenzene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	95-50-1	1,2-Dichlorobenzene	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.5	U	ug/Kg	1.5	87.5	1	8260		
SC-034	0406125-04	SO	06/21/2004		06/28/2004	120-82-1	1,2,4-Trichlorobenzene	1.5	UJ	ug/Kg	1.5	87.5	1	8260	L	Low Calibration Verification
SC-035	0406125-05	SO	06/21/2004		06/28/2004	75-71-8	Dichlorodifluoromethane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	74-87-3	Chloromethane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	75-01-4	Vinyl chloride	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	74-83-9	Bromomethane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	75-00-3	Chloroethane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	75-69-4	Trichlorofluoromethane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	75-35-4	1,1-Dichloroethene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	79-20-9	Methyl acetate	3.3	U	ug/Kg	3.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	67-64-1	Acetone	3.3	U	ug/Kg	3.3	86.2	1	8260		Blank Action
SC-035	0406125-05	SO	06/21/2004		06/28/2004	75-15-0	Carbon disulfide	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	75-09-2	Methylene chloride	3.3	U	ug/Kg	3.3	86.2	1	8260		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Soil Cover Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-035	0406125-05	SO	06/21/2004		06/28/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	156-60-5	trans-1,2-Dichloroethene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	75-34-3	1,1-Dichloroethane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	156-59-2	cis-1,2-Dichloroethene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	78-93-3	2-Butanone (MEK)	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	110-82-7	Cyclohexane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	67-66-3	Chloroform	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	71-55-6	1,1,1-Trichloroethane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	56-23-5	Carbon tetrachloride	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	71-43-2	Benzene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	107-06-2	1,2-Dichloroethane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	79-01-6	Trichloroethene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	78-87-5	1,2-Dichloropropane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	75-27-4	Bromodichloromethane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	10061-01-5	cis-1,3-Dichloropropene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	108-88-3	Toluene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	108-87-2	Methylcyclohexane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	10061-02-6	trans-1,3-Dichloropropene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	79-00-5	1,1,2-Trichloroethane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	127-18-4	Tetrachloroethene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	591-78-6	2-Hexanone	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	124-48-1	Dibromochloromethane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	106-93-4	1,2-Dibromoethane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	108-90-7	Chlorobenzene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	100-41-4	Ethylbenzene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	1330-20-7	Xylenes, Total	4.0	U	ug/Kg	4.0	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	100-42-5	Styrene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	75-25-2	Bromoform	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	98-82-8	Isopropylbenzene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	541-73-1	1,3-Dichlorobenzene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	106-46-7	1,4-Dichlorobenzene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	95-50-1	1,2-Dichlorobenzene	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.3	U	ug/Kg	1.3	86.2	1	8260		
SC-035	0406125-05	SO	06/21/2004		06/28/2004	120-82-1	1,2,4-Trichlorobenzene	1.3	UJ	ug/Kg	1.3	86.2	1	8260	L	Low Calibration Verification
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	75-71-8	Dichlorodifluoromethane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	74-87-3	Chloromethane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	75-01-4	Vinyl chloride	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	74-83-9	Bromomethane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	75-00-3	Chloroethane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	75-69-4	Trichlorofluoromethane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	75-35-4	1,1-Dichloroethene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	79-20-9	Methyl acetate	3.1	U	ug/Kg	3.1	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	67-64-1	Acetone	3.1	U	ug/Kg	3.1	86.8	1	8260		Blank Action
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	75-15-0	Carbon disulfide	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	75-09-2	Methylene chloride	3.1	U	ug/Kg	3.1	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	156-60-5	trans-1,2-Dichloroethene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	75-34-3	1,1-Dichloroethane	1.2	U	ug/Kg	1.2	86.8	1	8260		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	156-59-2	cis-1,2-Dichloroethene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	78-93-3	2-Butanone (MEK)	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	110-82-7	Cyclohexane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	67-66-3	Chloroform	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	71-55-6	1,1,1-Trichloroethane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	56-23-5	Carbon tetrachloride	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	71-43-2	Benzene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	107-06-2	1,2-Dichloroethane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	79-01-6	Trichloroethene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	78-87-5	1,2-Dichloropropane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	75-27-4	Bromodichloromethane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	10061-01-5	cis-1,3-Dichloropropene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	108-88-3	Toluene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	108-87-2	Methylcyclohexane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	10061-02-6	trans-1,3-Dichloropropene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	79-00-5	1,1,2-Trichloroethane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	127-18-4	Tetrachloroethene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	591-78-6	2-Hexanone	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	124-48-1	Dibromochloromethane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	106-93-4	1,2-Dibromoethane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	108-90-7	Chlorobenzene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	100-41-4	Ethylbenzene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	1330-20-7	Xylenes, Total	3.7	U	ug/Kg	3.7	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	100-42-5	Styrene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	75-25-2	Bromoform	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	98-82-8	Isopropylbenzene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	541-73-1	1,3-Dichlorobenzene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	106-46-7	1,4-Dichlorobenzene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	95-50-1	1,2-Dichlorobenzene	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.2	U	ug/Kg	1.2	86.8	1	8260		
SCE-035	0406125-06	SO	06/21/2004		06/29/2004	120-82-1	1,2,4-Trichlorobenzene	1.2	UJ	ug/Kg	1.2	86.8	1	8260	L	Low Calibration Verification
SC-036	0406125-07	SO	06/21/2004		06/29/2004	75-71-8	Dichlorodifluoromethane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	74-87-3	Chloromethane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	75-01-4	Vinyl chloride	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	74-83-9	Bromomethane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	75-00-3	Chloroethane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	75-69-4	Trichlorofluoromethane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	75-35-4	1,1-Dichloroethene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	79-20-9	Methyl acetate	3.5	U	ug/Kg	3.5	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	67-64-1	Acetone	3.5	U	ug/Kg	3.5	85.8	1	8260		Blank Action
SC-036	0406125-07	SO	06/21/2004		06/29/2004	75-15-0	Carbon disulfide	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	75-09-2	Methylene chloride	3.5	U	ug/Kg	3.5	85.8	1	8260		Blank Action
SC-036	0406125-07	SO	06/21/2004		06/29/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	156-60-5	trans-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	75-34-3	1,1-Dichloroethane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	156-59-2	cis-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	78-93-3	2-Butanone (MEK)	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	110-82-7	Cyclohexane	1.4	U	ug/Kg	1.4	85.8	1	8260		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

Pownal Tannery Superfund Site, Pownal, VT
Soil Cover Sampling - 2004

SamplID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-036	0406125-07	SO	06/21/2004		06/29/2004	67-66-3	Chloroform	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	71-55-6	1,1,1-Trichloroethane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	56-23-5	Carbon tetrachloride	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	71-43-2	Benzene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	107-06-2	1,2-Dichloroethane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	79-01-6	Trichloroethene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	78-87-5	1,2-Dichloropropane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	75-27-4	Bromodichloromethane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	10061-01-5	cis-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	108-88-3	Toluene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	108-87-2	Methylcyclohexane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	10061-02-6	trans-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	79-00-5	1,1,2-Trichloroethane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	127-18-4	Tetrachloroethene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	591-78-6	2-Hexanone	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	124-48-1	Dibromochloromethane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	106-93-4	1,2-Dibromoethane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	108-90-7	Chlorobenzene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	100-41-4	Ethylbenzene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	1330-20-7	Xylenes, Total	4.2	U	ug/Kg	4.2	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	100-42-5	Styrene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	75-25-2	Bromoform	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	98-82-8	Isopropylbenzene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	541-73-1	1,3-Dichlorobenzene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	106-46-7	1,4-Dichlorobenzene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	95-50-1	1,2-Dichlorobenzene	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.4	U	ug/Kg	1.4	85.8	1	8260		
SC-036	0406125-07	SO	06/21/2004		06/29/2004	120-82-1	1,2,4-Trichlorobenzene	1.4	UJ	ug/Kg	1.4	85.8	1	8260	L	Low Calibration Verification
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	75-71-8	Dichlorodifluoromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	74-87-3	Chloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	75-01-4	Vinyl chloride	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	74-83-9	Bromomethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	75-00-3	Chloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	75-69-4	Trichlorofluoromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	79-20-9	Methyl acetate	5.0	U	ug/Kg	5.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	67-64-1	Acetone	5.0	U	ug/Kg	5.0	100	1	8260		Blank Action
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	75-15-0	Carbon disulfide	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	75-09-2	Methylene chloride	5.0	U	ug/Kg	5.0	100	1	8260		Blank Action
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	156-59-2	cis-1,2-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	110-82-7	Cyclohexane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	67-66-3	Chloroform	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/Kg	2.0	100	1	8260		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	71-43-2	Benzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	79-01-6	Trichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	78-87-5	1,2-Dichloropropane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	75-27-4	Bromodichloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	10061-01-5	cis-1,3-Dichloropropene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	108-88-3	Toluene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	108-87-2	Methylcyclohexane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	10061-02-6	trans-1,3-Dichloropropene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	79-00-5	1,1,2-Trichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	127-18-4	Tetrachloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	591-78-6	2-Hexanone	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01.	0406125-08	SO	06/21/2004		06/28/2004	124-48-1	Dibromochloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	106-93-4	1,2-Dibromoethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	108-90-7	Chlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	100-41-4	Ethylbenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	1330-20-7	Xylenes, Total	6.0	U	ug/Kg	6.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	100-42-5	Styrene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	75-25-2	Bromoform	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	98-82-8	Isopropylbenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	96-12-8	1,2-Dibromo-3-chloropropane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062104-01	0406125-08	SO	06/21/2004		06/28/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	UJ	ug/Kg	2.0	100	1	8260	L	Low Calibration Verification
SC-037	0406125-11	SO	06/22/2004		06/29/2004	75-71-8	Dichlorodifluoromethane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	74-87-3	Chloromethane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	75-01-4	Vinyl chloride	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	74-83-9	Bromomethane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	75-00-3	Chloroethane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	75-69-4	Trichlorofluoromethane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	75-35-4	1,1-Dichloroethene	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	79-20-9	Methyl acetate	4.1	U	ug/Kg	4.1	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	67-64-1	Acetone	4.1	U	ug/Kg	4.1	90.6	1	8260		Blank Action
SC-037	0406125-11	SO	06/22/2004		06/29/2004	75-15-0	Carbon disulfide	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	75-09-2	Methylene chloride	4.1	U	ug/Kg	4.1	90.6	1	8260		Blank Action
SC-037	0406125-11	SO	06/22/2004		06/29/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	156-60-5	trans-1,2-Dichloroethene	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	75-34-3	1,1-Dichloroethane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	156-59-2	cis-1,2-Dichloroethene	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	78-93-3	2-Butanone (MEK)	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	110-82-7	Cyclohexane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	67-66-3	Chloroform	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	71-55-6	1,1,1-Trichloroethane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	56-23-5	Carbon tetrachloride	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	71-43-2	Benzene	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	107-06-2	1,2-Dichloroethane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	79-01-6	Trichloroethene	1.6	U	ug/Kg	1.6	90.6	1	8260		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-037	0406125-11	SO	06/22/2004		06/29/2004	78-87-5	1,2-Dichloropropane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	75-27-4	Bromodichloromethane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	10061-01-5	cis-1,3-Dichloropropene	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	108-88-3	Toluene	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	108-87-2	Methylcyclohexane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	10061-02-6	trans-1,3-Dichloropropene	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	79-00-5	1,1,2-Trichloroethane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	127-18-4	Tetrachloroethene	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	591-78-6	2-Hexanone	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	124-48-1	Dibromochloromethane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	106-93-4	1,2-Dibromoethane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	108-90-7	Chlorobenzene	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	100-41-4	Ethylbenzene	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	1330-20-7	Xylenes, Total	4.9	U	ug/Kg	4.9	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	100-42-5	Styrene	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	75-25-2	Bromoform	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	98-82-8	Isopropylbenzene	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	541-73-1	1,3-Dichlorobenzene	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	106-46-7	1,4-Dichlorobenzene	1.8		ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	95-50-1	1,2-Dichlorobenzene	6.2		ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	96-12-8	1,2-Dibromo-3-chloropropane	1.6	U	ug/Kg	1.6	90.6	1	8260		
SC-037	0406125-11	SO	06/22/2004		06/29/2004	120-82-1	1,2,4-Trichlorobenzene	1.6	UJ	ug/Kg	1.6	90.6	1	8260	L	Low Calibration Verification
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	75-71-8	Dichlorodifluoromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	74-87-3	Chloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	75-01-4	Vinyl chloride	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	74-83-9	Bromomethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	75-00-3	Chloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	75-69-4	Trichlorofluoromethane	2.0	U	ug/Kg	2.0	100	1	8260		Blank Action
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	79-20-9	Methyl acetate	5.0	U	ug/Kg	5.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	67-64-1	Acetone	5.0	U	ug/Kg	5.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	75-15-0	Carbon disulfide	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	75-09-2	Methylene chloride	5.0	U	ug/Kg	5.0	100	1	8260		Blank Action
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	156-59-2	cis-1,2-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	110-82-7	Cyclohexane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	67-66-3	Chloroform	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	71-43-2	Benzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	79-01-6	Trichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	78-87-5	1,2-Dichloropropane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	75-27-4	Bromodichloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	10061-01-5	cis-1,3-Dichloropropene	2.0	U	ug/Kg	2.0	100	1	8260		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian · nologies
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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	108-88-3	Toluene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	108-87-2	Methylcyclohexane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	10061-02-6	trans-1,3-Dichloropropene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	79-00-5	1,1,2-Trichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	127-18-4	Tetrachloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	591-78-6	2-Hexanone	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	124-48-1	Dibromochloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	106-93-4	1,2-Dibromoethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	108-90-7	Chlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	100-41-4	Ethylbenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	1330-20-7	Xylenes, Total	6.0	U	ug/Kg	6.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	100-42-5	Styrene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	75-25-2	Bromoform	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	98-82-8	Isopropylbenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	96-12-8	1,2-Dibromo-3-chloropropane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-062204-01	0406125-12	SO	06/22/2004		06/28/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	UJ	ug/Kg	2.0	100	1	8260	L	Low Calibration Verification
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	100-52-7	Benzaldehyde	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	108-95-2	Phenol	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	95-57-8	2-Chlorophenol	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	111-44-4	bis(2-Chloroethyl)ether	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	95-48-7	2-Methylphenol	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	108-60-1	bis(2-chloroisopropyl)ether	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	98-86-2	Acetophenone	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	106-44-5	4-Methylphenol	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	67-72-1	Hexachloroethane	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	98-95-3	Nitrobenzene	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	78-59-1	Isophorone	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	88-75-5	2-Nitrophenol	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	105-67-9	2,4-Dimethylphenol	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	111-91-1	bis(2-Chloroethoxy)methane	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	120-83-2	2,4-Dichlorophenol	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	91-20-3	Naphthalene	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	106-47-8	4-Chloroaniline	220	R	ug/Kg	220	87.7	4	8270		Unusable: 3% LCS recovery
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	87-68-3	Hexachlorobutadiene	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	105-60-2	Caprolactam	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	59-50-7	4-Chloro-3-methylphenol	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	91-57-6	2-Methylnaphthalene	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	77-47-4	Hexachlorocyclopentadiene	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	88-06-2	2,4,6-Trichlorophenol	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	95-95-4	2,4,5-Trichlorophenol	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	92-52-4	Biphenyl	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	91-58-7	2-Chloronaphthalene	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	88-74-4	2-Nitroaniline	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	131-11-3	Dimethylphthalate	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	606-20-2	2,6-Dinitrotoluene	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	208-96-8	Acenaphthylene	220	U	ug/Kg	220	87.7	4	8270		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	99-09-2	3-Nitroaniline	220	UJ	ug/Kg	220	87.7	4	8270	L	Low Calibration Verification
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	83-32-9	Acenaphthene	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	51-28-5	2,4-Dinitrophenol	220	UJ	ug/Kg	220	87.7	4	8270	I	ICAL out
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	100-02-7	4-Nitrophenol	220	UJ	ug/Kg	220	87.7	4	8270	I	ICAL out
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	132-64-9	Dibenzofuran	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	121-14-2	2,4-Dinitrotoluene	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	84-66-2	Diethylphthalate	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	86-73-7	Fluorene	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	7005-72-3	4-Chlorophenyl-phenylether	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	100-01-6	4-Nitroaniline	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	534-52-1	4,6-Dinitro-2-methylphenol	220	UJ	ug/Kg	220	87.7	4	8270	I	ICAL out
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	86-30-6	n-Nitrosodiphenylamine	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	101-55-3	4-Bromophenyl-phenylether	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	118-74-1	Hexachlorobenzene	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	1912-24-9	Atrazine	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	87-86-5	Pentachlorophenol	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	85-01-8	Phenanthrene	60	J	ug/Kg	220	87.7	4	8270	I	Uncertain due to quantitation below calibration range
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	120-12-7	Anthracene	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	86-74-8	Carbazole	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	84-74-2	Di-n-butylphthalate	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	206-44-0	Fluoranthene	190	J	ug/Kg	220	87.7	4	8270	I	Uncertain due to quantitation below calibration range
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	129-00-0	Pyrene	230		ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	85-68-7	Butylbenzylphthalate	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	91-94-1	3,3'-Dichlorobenzidine	220	R	ug/Kg	220	87.7	4	8270		Unusable: 0% LCS recovery
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	56-55-3	Benz[a]anthracene	130	J	ug/Kg	220	87.7	4	8270	I	Uncertain due to quantitation below calibration range
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	218-01-9	Chrysene	140	J	ug/Kg	220	87.7	4	8270	I	Uncertain due to quantitation below calibration range
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	117-81-7	bis(2-Ethylhexyl)phthalate	220	U	ug/Kg	220	87.7	4	8270		Blank Action
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	117-84-0	Di-n-octylphthalate	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	205-99-2	Benzo[b]fluoranthene	100	J	ug/Kg	220	87.7	4	8270	I	Uncertain due to quantitation below calibration range
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	207-08-9	Benzo[k]fluoranthene	110	J	ug/Kg	220	87.7	4	8270	I	Uncertain due to quantitation below calibration range
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	193-39-5	Indeno[1,2,3-cd]pyrene	71	J	ug/Kg	220	87.7	4	8270	I	Uncertain due to quantitation below calibration range
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	53-70-3	Dibenz[a,h]anthracene	220	U	ug/Kg	220	87.7	4	8270		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/14/2004	191-24-2	Benzo[g,h,i]perylene	84	J	ug/Kg	220	87.7	4	8270	I	Uncertain due to quantitation below calibration range
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	100-52-7	Benzaldehyde	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	108-95-2	Phenol	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	95-57-8	2-Chlorophenol	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	111-44-4	bis(2-Chloroethyl)ether	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	95-48-7	2-Methylphenol	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	108-60-1	bis(2-chloroisopropyl)ether	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	98-86-2	Acetophenone	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	106-44-5	4-Methylphenol	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	67-72-1	Hexachloroethane	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	98-95-3	Nitrobenzene	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	78-59-1	Isophorone	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	88-75-5	2-Nitrophenol	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	105-67-9	2,4-Dimethylphenol	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	111-91-1	bis(2-Chloroethoxy)methane	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	120-83-2	2,4-Dichlorophenol	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	91-20-3	Naphthalene	70	JEB	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range & Blank Action
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	106-47-8	4-Chloroaniline	220	R	ug/Kg	220	87.5	4	8270		Unusable: 3% LCS recovery

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	87-68-3	Hexachlorobutadiene	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	105-60-2	Caprolactam	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	59-50-7	4-Chloro-3-methylphenol	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	91-57-6	2-Methylnaphthalene	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	77-47-4	Hexachlorocyclopentadiene	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	88-06-2	2,4,6-Trichlorophenol	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	95-95-4	2,4,5-Trichlorophenol	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	92-52-4	Biphenyl	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	91-58-7	2-Chloronaphthalene	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	88-74-4	2-Nitroaniline	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	131-11-3	Dimethylphthalate	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	606-20-2	2,6-Dinitrotoluene	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	208-96-8	Acenaphthylene	48	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	99-09-2	3-Nitroaniline	220	UJ	ug/Kg	220	87.5	4	8270	L	Low Calibration Verification
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	83-32-9	Acenaphthene	53	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	51-28-5	2,4-Dinitrophenol	220	UJ	ug/Kg	220	87.5	4	8270	I	ICAL out
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	100-02-7	4-Nitrophenol	220	UJ	ug/Kg	220	87.5	4	8270	I	ICAL out
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	132-64-9	Dibenzofuran	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	121-14-2	2,4-Dinitrotoluene	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	84-66-2	Diethylphthalate	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	86-73-7	Fluorene	57	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	7005-72-3	4-Chlorophenyl-phenylether	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	100-01-6	4-Nitroaniline	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	534-52-1	4,6-Dinitro-2-methylphenol	220	UJ	ug/Kg	220	87.5	4	8270	I	ICAL out
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	86-30-6	n-Nitrosodiphenylamine	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	101-55-3	4-Bromophenyl-phenylether	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	118-74-1	Hexachlorobenzene	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	1912-24-9	Atrazine	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	87-86-5	Pentachlorophenol	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	85-01-8	Phenanthrene	570		ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	120-12-7	Anthracene	140	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	86-74-8	Carbazole	83	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	84-74-2	Di-n-butylphthalate	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	206-44-0	Fluoranthene	690		ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	129-00-0	Pyrene	600		ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	85-68-7	Butylbenzylphthalate	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	91-94-1	3,3'-Dichlorobenzidine	220	R	ug/Kg	220	87.5	4	8270		Unusable: 0% LCS recovery
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	56-55-3	Benz[a]anthracene	310		ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	218-01-9	Chrysene	320		ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	117-81-7	bis(2-Ethylhexyl)phthalate	220	U	ug/Kg	220	87.5	4	8270		Blank Action
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	117-84-0	Di-n-octylphthalate	220	U	ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	205-99-2	Benzo[b]fluoranthene	240		ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	207-08-9	Benzo[k]fluoranthene	270		ug/Kg	220	87.5	4	8270		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	193-39-5	Indeno[1,2,3-cd]pyrene	170	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	53-70-3	Dibenz[a,h]anthracene	57	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/14/2004	191-24-2	Benzo[g,h,i]perylene	190	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	100-52-7	Benzaldehyde	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	108-95-2	Phenol	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	95-57-8	2-Chlorophenol	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	111-44-4	bis(2-Chloroethyl)ether	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	95-48-7	2-Methylphenol	0.50	U	ug/L	0.50		1	8270		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	108-60-1	bis(2-chloroisopropyl)ether	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	98-86-2	Acetophenone	0.12	J	ug/L	0.50		1	8270	I	Uncertain due to quantitation below calibration range
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	106-44-5	4-Methylphenol	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	67-72-1	Hexachloroethane	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	98-95-3	Nitrobenzene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	78-59-1	Isophorone	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	88-75-5	2-Nitrophenol	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	105-67-9	2,4-Dimethylphenol	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	111-91-1	bis(2-Chloroethoxy)methane	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	120-83-2	2,4-Dichlorophenol	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	91-20-3	Naphthalene	0.18	J	ug/L	0.50		1	8270	I	Uncertain due to quantitation below calibration range
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	106-47-8	4-Chloroaniline	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	87-68-3	Hexachlorobutadiene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	105-60-2	Caprolactam	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	59-50-7	4-Chloro-3-methylphenol	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	91-57-6	2-Methylnaphthalene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	77-47-4	Hexachlorocyclopentadiene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	88-06-2	2,4,6-Trichlorophenol	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	95-95-4	2,4,5-Trichlorophenol	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	92-52-4	Biphenyl	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	91-58-7	2-Chloronaphthalene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	88-74-4	2-Nitroaniline	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	131-11-3	Dimethylphthalate	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	606-20-2	2,6-Dinitrotoluene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	208-96-8	Acenaphthylene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	99-09-2	3-Nitroaniline	0.50	UJ	ug/L	0.50		1	8270	L	Low Calibration Verification
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	83-32-9	Acenaphthene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	51-28-5	2,4-Dinitrophenol	0.50	UJ	ug/L	0.50		1	8270	I	ICAL out
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	100-02-7	4-Nitrophenol	0.50	UJ	ug/L	0.50		1	8270	I	ICAL out
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	132-64-9	Dibenzofuran	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	121-14-2	2,4-Dinitrotoluene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	84-66-2	Diethylphthalate	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	86-73-7	Fluorene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	7005-72-3	4-Chlorophenyl-phenylether	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	100-01-6	4-Nitroaniline	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	534-52-1	4,6-Dinitro-2-methylphenol	0.50	UJ	ug/L	0.50		1	8270	I	ICAL out
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	86-30-6	n-Nitrosodiphenylamine	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	101-55-3	4-Bromophenyl-phenylether	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	118-74-1	Hexachlorobenzene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	1912-24-9	Atrazine	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	87-86-5	Pentachlorophenol	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	85-01-8	Phenanthrene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	120-12-7	Anthracene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	86-74-8	Carbazole	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	84-74-2	Di-n-butylphthalate	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	206-44-0	Fluoranthene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	129-00-0	Pyrene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	85-68-7	Butylbenzylphthalate	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	91-94-1	3,3'-Dichlorobenzidine	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	56-55-3	Benz[a]anthracene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	218-01-9	Chrysene	0.50	U	ug/L	0.50		1	8270		

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Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.50	U	ug/L	0.50		1	8270		Blank Action
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	117-84-0	Di-n-octylphthalate	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	205-99-2	Benzo[b]fluoranthene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	207-08-9	Benzo[k]fluoranthene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	53-70-3	Dibenz[a,h]anthracene	0.50	U	ug/L	0.50		1	8270		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/14/2004	191-24-2	Benzo[g,h,i]perylene	0.50	U	ug/L	0.50		1	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	100-52-7	Benzaldehyde	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	108-95-2	Phenol	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	95-57-8	2-Chlorophenol	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	111-44-4	bis(2-Chloroethyl)ether	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	95-48-7	2-Methylphenol	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	108-60-1	bis(2-chloroisopropyl)ether	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	98-86-2	Acetophenone	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	106-44-5	4-Methylphenol	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	67-72-1	Hexachloroethane	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	98-95-3	Nitrobenzene	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	78-59-1	Isophorone	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	88-75-5	2-Nitrophenol	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	105-67-9	2,4-Dimethylphenol	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	111-91-1	bis(2-Chloroethoxy)methane	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	120-83-2	2,4-Dichlorophenol	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	91-20-3	Naphthalene	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	106-47-8	4-Chloroaniline	220	R	ug/Kg	220	87.5	4	8270		Unusable: 3% LCS recovery
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	87-68-3	Hexachlorobutadiene	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	105-60-2	Caprolactam	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	59-50-7	4-Chloro-3-methylphenol	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	91-57-6	2-Methylnaphthalene	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	77-47-4	Hexachlorocyclopentadiene	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	88-06-2	2,4,6-Trichlorophenol	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	95-95-4	2,4,5-Trichlorophenol	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	92-52-4	Biphenyl	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	91-58-7	2-Chloronaphthalene	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	88-74-4	2-Nitroaniline	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	131-11-3	Dimethylphthalate	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	606-20-2	2,6-Dinitrotoluene	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	208-96-8	Acenaphthylene	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	99-09-2	3-Nitroaniline	220	UJ	ug/Kg	220	87.5	4	8270	L	Low Calibration Verification
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	83-32-9	Acenaphthene	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	51-28-5	2,4-Dinitrophenol	220	UJ	ug/Kg	220	87.5	4	8270	I	ICAL out
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	100-02-7	4-Nitrophenol	220	UJ	ug/Kg	220	87.5	4	8270	I	ICAL out
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	132-64-9	Dibenzofuran	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	121-14-2	2,4-Dinitrotoluene	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	84-66-2	Diethylphthalate	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	86-73-7	Fluorene	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	7005-72-3	4-Chlorophenyl-phenylether	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	100-01-6	4-Nitroaniline	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	534-52-1	4,6-Dinitro-2-methylphenol	220	UJ	ug/Kg	220	87.5	4	8270	I	ICAL out
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	86-30-6	n-Nitrosodiphenylamine	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	101-55-3	4-Bromophenyl-phenylether	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	118-74-1	Hexachlorobenzene	220	U	ug/Kg	220	87.5	4	8270		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	1912-24-9	Atrazine	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	87-86-5	Pentachlorophenol	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	85-01-8	Phenanthrene	78	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	120-12-7	Anthracene	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	86-74-8	Carbazole	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	84-74-2	Di-n-butylphthalate	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	206-44-0	Fluoranthene	180	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	129-00-0	Pyrene	190	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	85-68-7	Butylbenzylphthalate	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	91-94-1	3,3'-Dichlorobenzidine	220	R	ug/Kg	220	87.5	4	8270		Unusable: 0% LCS recovery
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	56-55-3	Benz[a]anthracene	110	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	218-01-9	Chrysene	120	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	117-81-7	bis(2-Ethylhexyl)phthalate	220	U	ug/Kg	220	87.5	4	8270		Blank Action
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	117-84-0	Di-n-octylphthalate	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	205-99-2	Benzo[b]fluoranthene	87	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	207-08-9	Benzo[k]fluoranthene	100	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	193-39-5	Indeno[1,2,3-cd]pyrene	61	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	53-70-3	Dibenz[a,h]anthracene	220	U	ug/Kg	220	87.5	4	8270		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/14/2004	191-24-2	Benzo[g,h,i]perylene	70	J	ug/Kg	220	87.5	4	8270	I	Uncertain due to quantitation below calibration range
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	100-52-7	Benzaldehyde	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	108-95-2	Phenol	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	95-57-8	2-Chlorophenol	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	111-44-4	bis(2-Chloroethyl)ether	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	95-48-7	2-Methylphenol	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	108-60-1	bis(2-chloroisopropyl)ether	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	98-86-2	Acetophenone	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	106-44-5	4-Methylphenol	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	67-72-1	Hexachloroethane	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	98-95-3	Nitrobenzene	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	78-59-1	Isophorone	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	88-75-5	2-Nitrophenol	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	105-67-9	2,4-Dimethylphenol	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	111-91-1	bis(2-Chloroethoxy)methane	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	120-83-2	2,4-Dichlorophenol	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	91-20-3	Naphthalene	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	106-47-8	4-Chloroaniline	210	R	ug/Kg	210	86.2	4	8270		Unusable: 3% LCS recovery
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	87-68-3	Hexachlorobutadiene	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	105-60-2	Caprolactam	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	59-50-7	4-Chloro-3-methylphenol	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	91-57-6	2-Methylnaphthalene	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	77-47-4	Hexachlorocyclopentadiene	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	88-06-2	2,4,6-Trichlorophenol	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	95-95-4	2,4,5-Trichlorophenol	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	92-52-4	Biphenyl	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	91-58-7	2-Chloronaphthalene	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	88-74-4	2-Nitroaniline	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	131-11-3	Dimethylphthalate	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	606-20-2	2,6-Dinitrotoluene	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	208-96-8	Acenaphthylene	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	99-09-2	3-Nitroaniline	210	UJ	ug/Kg	210	86.2	4	8270	L	Low Calibration Verification
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	83-32-9	Acenaphthene	210	U	ug/Kg	210	86.2	4	8270		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SamplID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	51-28-5	2,4-Dinitrophenol	210	UJ	ug/Kg	210	86.2	4	8270	I	ICAL out
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	100-02-7	4-Nitrophenol	210	UJ	ug/Kg	210	86.2	4	8270	I	ICAL out
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	132-64-9	Dibenzofuran	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	121-14-2	2,4-Dinitrotoluene	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	84-66-2	Diethylphthalate	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	86-73-7	Fluorene	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	7005-72-3	4-Chlorophenyl-phenylether	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	100-01-6	4-Nitroaniline	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	534-52-1	4,6-Dinitro-2-methylphenol	210	UJ	ug/Kg	210	86.2	4	8270	I	ICAL out
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	86-30-6	n-Nitrosodiphenylamine	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	101-55-3	4-Bromophenyl-phenylether	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	118-74-1	Hexachlorobenzene	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	1912-24-9	Atrazine	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	87-86-5	Pentachlorophenol	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	85-01-8	Phenanthrene	95	J	ug/Kg	210	86.2	4	8270	I	Uncertain due to quantitation below calibration range
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	120-12-7	Anthracene	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	86-74-8	Carbazole	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	84-74-2	Di-n-butylphthalate	210	U	ug/Kg	210	86.2	4	8270		Blank Action
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	206-44-0	Fluoranthene	190	J	ug/Kg	210	86.2	4	8270	I	Uncertain due to quantitation below calibration range
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	129-00-0	Pyrene	180	J	ug/Kg	210	86.2	4	8270	I	Uncertain due to quantitation below calibration range
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	85-68-7	Butylbenzylphthalate	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	91-94-1	3,3'-Dichlorobenzidine	210	R	ug/Kg	210	86.2	4	8270		Unusable: 0% LCS recovery
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	56-55-3	Benz[a]anthracene	120	J	ug/Kg	210	86.2	4	8270	I	Uncertain due to quantitation below calibration range
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	218-01-9	Chrysene	120	J	ug/Kg	210	86.2	4	8270	I	Uncertain due to quantitation below calibration range
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	117-81-7	bis(2-Ethylhexyl)phthalate	210	U	ug/Kg	210	86.2	4	8270		Blank Action
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	117-84-0	Di-n-octylphthalate	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	205-99-2	Benzo[b]fluoranthene	90	J	ug/Kg	210	86.2	4	8270	I	Uncertain due to quantitation below calibration range
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	207-08-9	Benzo[k]fluoranthene	99	J	ug/Kg	210	86.2	4	8270	I	Uncertain due to quantitation below calibration range
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	193-39-5	Indeno[1,2,3-cd]pyrene	58	J	ug/Kg	210	86.2	4	8270	I	Uncertain due to quantitation below calibration range
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	53-70-3	Dibenz[a,h]anthracene	210	U	ug/Kg	210	86.2	4	8270		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/15/2004	191-24-2	Benzo[g,h,i]perylene	65	J	ug/Kg	210	86.2	4	8270	I	Uncertain due to quantitation below calibration range
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	100-52-7	Benzaldehyde	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	108-95-2	Phenol	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	95-57-8	2-Chlorophenol	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	111-44-4	bis(2-Chloroethyl)ether	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	95-48-7	2-Methylphenol	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	108-60-1	bis(2-chloroisopropyl)ether	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	98-86-2	Acetophenone	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	106-44-5	4-Methylphenol	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	67-72-1	Hexachloroethane	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	98-95-3	Nitrobenzene	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	78-59-1	Isophorone	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	88-75-5	2-Nitrophenol	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	105-67-9	2,4-Dimethylphenol	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	111-91-1	bis(2-Chloroethoxy)methane	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	120-83-2	2,4-Dichlorophenol	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	91-20-3	Naphthalene	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	106-47-8	4-Chloroaniline	220	R	ug/Kg	220	86.8	4	8270		Unusable: 3% LCS recovery
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	87-68-3	Hexachlorobutadiene	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	105-60-2	Caprolactam	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	59-50-7	4-Chloro-3-methylphenol	220	U	ug/Kg	220	86.8	4	8270		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	91-57-6	2-Methylnaphthalene	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	77-47-4	Hexachlorocyclopentadiene	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	88-06-2	2,4,6-Trichlorophenol	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	95-95-4	2,4,5-Trichlorophenol	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	92-52-4	Biphenyl	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	91-58-7	2-Chloronaphthalene	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	88-74-4	2-Nitroaniline	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	131-11-3	Dimethylphthalate	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	606-20-2	2,6-Dinitrotoluene	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	208-96-8	Acenaphthylene	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	99-09-2	3-Nitroaniline	220	UJ	ug/Kg	220	86.8	4	8270	L	Low Calibration Verification
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	83-32-9	Acenaphthene	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	51-28-5	2,4-Dinitrophenol	220	UJ	ug/Kg	220	86.8	4	8270	I	ICAL out
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	100-02-7	4-Nitrophenol	220	UJ	ug/Kg	220	86.8	4	8270	I	ICAL out
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	132-64-9	Dibenzofuran	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	121-14-2	2,4-Dinitrotoluene	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	84-66-2	Diethylphthalate	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	86-73-7	Fluorene	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	7005-72-3	4-Chlorophenyl-phenylether	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	100-01-6	4-Nitroaniline	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	534-52-1	4,6-Dinitro-2-methylphenol	220	UJ	ug/Kg	220	86.8	4	8270	I	ICAL out
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	86-30-6	n-Nitrosodiphenylamine	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	101-55-3	4-Bromophenyl-phenylether	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	118-74-1	Hexachlorobenzene	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	1912-24-9	Atrazine	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	87-86-5	Pentachlorophenol	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	85-01-8	Phenanthrene	71	J	ug/Kg	220	86.8	4	8270	I	Uncertain due to quantitation below calibration range
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	120-12-7	Anthracene	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	86-74-8	Carbazole	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	84-74-2	Di-n-butylphthalate	220	U	ug/Kg	220	86.8	4	8270		Blank Action
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	206-44-0	Fluoranthene	170	J	ug/Kg	220	86.8	4	8270	I	Uncertain due to quantitation below calibration range
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	129-00-0	Pyrene	190	J	ug/Kg	220	86.8	4	8270	I	Uncertain due to quantitation below calibration range
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	85-68-7	Butylbenzylphthalate	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	91-94-1	3,3'-Dichlorobenzidine	220	R	ug/Kg	220	86.8	4	8270		Unusable: 0% LCS recovery
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	56-55-3	Benz[a]anthracene	120	J	ug/Kg	220	86.8	4	8270	I	Uncertain due to quantitation below calibration range
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	218-01-9	Chrysene	130	J	ug/Kg	220	86.8	4	8270	I	Uncertain due to quantitation below calibration range
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	117-81-7	bis(2-Ethylhexyl)phthalate	220	U	ug/Kg	220	86.8	4	8270		Blank Action
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	117-84-0	Di-n-octylphthalate	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	205-99-2	Benzo[b]fluoranthene	84	J	ug/Kg	220	86.8	4	8270	I	Uncertain due to quantitation below calibration range
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	207-08-9	Benzo[k]fluoranthene	100	J	ug/Kg	220	86.8	4	8270	I	Uncertain due to quantitation below calibration range
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	193-39-5	Indeno[1,2,3-cd]pyrene	58	J	ug/Kg	220	86.8	4	8270	I	Uncertain due to quantitation below calibration range
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	53-70-3	Dibenz[a,h]anthracene	220	U	ug/Kg	220	86.8	4	8270		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/15/2004	191-24-2	Benzo[g,h,i]perylene	66	J	ug/Kg	220	86.8	4	8270	I	Uncertain due to quantitation below calibration range
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	100-52-7	Benzaldehyde	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	108-95-2	Phenol	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	95-57-8	2-Chlorophenol	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	111-44-4	bis(2-Chloroethyl)ether	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	95-48-7	2-Methylphenol	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	108-60-1	bis(2-chloroisopropyl)ether	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	98-86-2	Acetophenone	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	106-44-5	4-Methylphenol	220	U	ug/Kg	220	85.8	4	8270		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies Inc.

Pownal Tannery Superfund Site, Pownal, VT
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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	67-72-1	Hexachloroethane	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	98-95-3	Nitrobenzene	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	78-59-1	Isophorone	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	88-75-5	2-Nitrophenol	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	105-67-9	2,4-Dimethylphenol	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	111-91-1	bis(2-Chloroethoxy)methane	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	120-83-2	2,4-Dichlorophenol	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	91-20-3	Naphthalene	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	106-47-8	4-Chloroaniline	220	R	ug/Kg	220	85.8	4	8270		Unusable: 3% LCS recovery
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	87-68-3	Hexachlorobutadiene	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	105-60-2	Caprolactam	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	59-50-7	4-Chloro-3-methylphenol	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	91-57-6	2-Methylnaphthalene	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	77-47-4	Hexachlorocyclopentadiene	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	88-06-2	2,4,6-Trichlorophenol	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	95-95-4	2,4,5-Trichlorophenol	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	92-52-4	Biphenyl	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	91-58-7	2-Chloronaphthalene	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	88-74-4	2-Nitroaniline	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	131-11-3	Dimethylphthalate	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	606-20-2	2,6-Dinitrotoluene	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	208-96-8	Acenaphthylene	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	99-09-2	3-Nitroaniline	220	UJ	ug/Kg	220	85.8	4	8270	L	Low Calibration Verification
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	83-32-9	Acenaphthene	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	51-28-5	2,4-Dinitrophenol	220	UJ	ug/Kg	220	85.8	4	8270	I	ICAL out
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	100-02-7	4-Nitrophenol	220	UJ	ug/Kg	220	85.8	4	8270	I	ICAL out
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	132-64-9	Dibenzofuran	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	121-14-2	2,4-Dinitrotoluene	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	84-66-2	Diethylphthalate	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	86-73-7	Fluorene	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	7005-72-3	4-Chlorophenyl-phenylether	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	100-01-6	4-Nitroaniline	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	534-52-1	4,6-Dinitro-2-methylphenol	220	UJ	ug/Kg	220	85.8	4	8270	I	ICAL out
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	86-30-6	n-Nitrosodiphenylamine	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	101-55-3	4-Bromophenyl-phenylether	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	118-74-1	Hexachlorobenzene	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	1912-24-9	Atrazine	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	87-86-5	Pentachlorophenol	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	85-01-8	Phenanthrene	100	J	ug/Kg	220	85.8	4	8270	I	Uncertain due to quantitation below calibration range
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	120-12-7	Anthracene	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	86-74-8	Carbazole	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	84-74-2	Di-n-butylphthalate	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	206-44-0	Fluoranthene	180	J	ug/Kg	220	85.8	4	8270	I	Uncertain due to quantitation below calibration range
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	129-00-0	Pyrene	180	J	ug/Kg	220	85.8	4	8270	I	Uncertain due to quantitation below calibration range & High MS/MSD recovery
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	85-68-7	Butylbenzylphthalate	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	91-94-1	3,3'-Dichlorobenzidine	220	R	ug/Kg	220	85.8	4	8270		Unusable: 0% LCS recovery
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	56-55-3	Benz[a]anthracene	110	J	ug/Kg	220	85.8	4	8270	I	Uncertain due to quantitation below calibration range
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	218-01-9	Chrysene	110	J	ug/Kg	220	85.8	4	8270	I	Uncertain due to quantitation below calibration range
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	117-81-7	bis(2-Ethylhexyl)phthalate	220	U	ug/Kg	220	85.8	4	8270		Blank Action
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	117-84-0	Di-n-octylphthalate	220	U	ug/Kg	220	85.8	4	8270		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	205-99-2	Benzo[b]fluoranthene	76	J	ug/Kg	220	85.8	4	8270	I	Uncertain due to quantitation below calibration range
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	207-08-9	Benzo[k]fluoranthene	90	J	ug/Kg	220	85.8	4	8270	I	Uncertain due to quantitation below calibration range
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	193-39-5	Indeno[1,2,3-cd]pyrene	49	J	ug/Kg	220	85.8	4	8270	I	Uncertain due to quantitation below calibration range
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	53-70-3	Dibenz[a,h]anthracene	220	U	ug/Kg	220	85.8	4	8270		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/15/2004	191-24-2	Benzo[g,h,i]perylene	49	J	ug/Kg	220	85.8	4	8270	I	Uncertain due to quantitation below calibration range
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	100-52-7	Benzaldehyde	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	108-95-2	Phenol	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	95-57-8	2-Chlorophenol	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	111-44-4	bis(2-Chloroethyl)ether	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	95-48-7	2-Methylphenol	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	108-60-1	bis(2-chloroisopropyl)ether	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	98-86-2	Acetophenone	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	106-44-5	4-Methylphenol	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	67-72-1	Hexachloroethane	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	98-95-3	Nitrobenzene	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	78-59-1	Isophorone	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	88-75-5	2-Nitrophenol	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	105-67-9	2,4-Dimethylphenol	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	111-91-1	bis(2-Chloroethoxy)methane	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	120-83-2	2,4-Dichlorophenol	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	91-20-3	Naphthalene	80	JEB	ug/Kg	210	90.6	4	8270	I	Uncertain due to quantitation below calibration range & Blank Action
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	106-47-8	4-Chloroaniline	210	R	ug/Kg	210	90.6	4	8270		Unusable: 3% LCS recovery
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	87-68-3	Hexachlorobutadiene	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	105-60-2	Caprolactam	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	59-50-7	4-Chloro-3-methylphenol	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	91-57-6	2-Methylnaphthalene	46	J	ug/Kg	210	90.6	4	8270	I	Uncertain due to quantitation below calibration range
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	77-47-4	Hexachlorocyclopentadiene	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	88-06-2	2,4,6-Trichlorophenol	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	95-95-4	2,4,5-Trichlorophenol	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	92-52-4	Biphenyl	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	91-58-7	2-Chloronaphthalene	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	88-74-4	2-Nitroaniline	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	131-11-3	Dimethylphthalate	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	606-20-2	2,6-Dinitrotoluene	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	208-96-8	Acenaphthylene	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	99-09-2	3-Nitroaniline	210	UJ	ug/Kg	210	90.6	4	8270	L	Low Calibration Verification
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	83-32-9	Acenaphthene	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	51-28-5	2,4-Dinitrophenol	210	UJ	ug/Kg	210	90.6	4	8270	I	ICAL out
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	100-02-7	4-Nitrophenol	210	UJ	ug/Kg	210	90.6	4	8270	I	ICAL out
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	132-64-9	Dibenzofuran	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	121-14-2	2,4-Dinitrotoluene	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	84-66-2	Diethylphthalate	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	86-73-7	Fluorene	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	7005-72-3	4-Chlorophenyl-phenylether	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	100-01-6	4-Nitroaniline	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	534-52-1	4,6-Dinitro-2-methylphenol	210	UJ	ug/Kg	210	90.6	4	8270	I	ICAL out
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	86-30-6	n-Nitrosodiphenylamine	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	101-55-3	4-Bromophenyl-phenylether	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	118-74-1	Hexachlorobenzene	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	1912-24-9	Atrazine	210	U	ug/Kg	210	90.6	4	8270		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	87-86-5	Pentachlorophenol	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	85-01-8	Phenanthrene	310		ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	120-12-7	Anthracene	92	J	ug/Kg	210	90.6	4	8270	I	Uncertain due to quantitation below calibration range
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	86-74-8	Carbazole	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	84-74-2	Di-n-butylphthalate	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	206-44-0	Fluoranthene	480		ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	129-00-0	Pyrene	410		ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	85-68-7	Butylbenzylphthalate	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	91-94-1	3,3'-Dichlorobenzidine	210	R	ug/Kg	210	90.6	4	8270		Unusable: 0% LCS recovery
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	56-55-3	Benz[a]anthracene	240		ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	218-01-9	Chrysene	260		ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	117-81-7	bis(2-Ethylhexyl)phthalate	210	U	ug/Kg	210	90.6	4	8270		Blank Action
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	117-84-0	Di-n-octylphthalate	210	U	ug/Kg	210	90.6	4	8270		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	205-99-2	Benzo[b]fluoranthene	190	J	ug/Kg	210	90.6	4	8270	I	Uncertain due to quantitation below calibration range
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	207-08-9	Benzo[k]fluoranthene	210	J	ug/Kg	210	90.6	4	8270	I	Uncertain due to quantitation below calibration range
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	193-39-5	Indeno[1,2,3-cd]pyrene	130	J	ug/Kg	210	90.6	4	8270	I	Uncertain due to quantitation below calibration range
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	53-70-3	Dibenz[a,h]anthracene	46	J	ug/Kg	210	90.6	4	8270	I	Uncertain due to quantitation below calibration range
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/15/2004	191-24-2	Benzo[g,h,i]perylene	150	J	ug/Kg	210	90.6	4	8270	I	Uncertain due to quantitation below calibration range
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/02/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	87.7	4	PAH SIM		
SC-032	0406125-01	SO	06/21/2004	06/24/2004	07/02/2004	50-32-8	Benzo[a]pyrene	130		ug/Kg	22	87.7	4	PAH SIM		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/02/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	87.5	4	PAH SIM		
SC-033	0406125-02	SO	06/21/2004	06/24/2004	07/02/2004	50-32-8	Benzo[a]pyrene	320		ug/Kg	22	87.5	4	PAH SIM		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/01/2004	621-64-7	n-Nitroso-di-n-propylamine	50	U	ng/L	50		1	PAH SIM		
RB-004	0406125-03	AQ	06/21/2004	06/24/2004	07/01/2004	50-32-8	Benzo[a]pyrene	50	U	ng/L	50		1	PAH SIM		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/02/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	87.5	4	PAH SIM		
SC-034	0406125-04	SO	06/21/2004	06/24/2004	07/02/2004	50-32-8	Benzo[a]pyrene	110		ug/Kg	22	87.5	4	PAH SIM		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/02/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	86.2	4	PAH SIM		
SC-035	0406125-05	SO	06/21/2004	06/24/2004	07/02/2004	50-32-8	Benzo[a]pyrene	110		ug/Kg	22	86.2	4	PAH SIM		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/03/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	86.8	4	PAH SIM		
SCE-035	0406125-06	SO	06/21/2004	06/24/2004	07/03/2004	50-32-8	Benzo[a]pyrene	110		ug/Kg	22	86.8	4	PAH SIM		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/03/2004	621-64-7	n-Nitroso-di-n-propylamine	22	U	ug/Kg	22	85.8	4	PAH SIM		
SC-036	0406125-07	SO	06/21/2004	06/24/2004	07/03/2004	50-32-8	Benzo[a]pyrene	98		ug/Kg	22	85.8	4	PAH SIM		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/03/2004	621-64-7	n-Nitroso-di-n-propylamine	21	U	ug/Kg	21	90.6	4	PAH SIM		
SC-037	0406125-11	SO	06/22/2004	06/24/2004	07/03/2004	50-32-8	Benzo[a]pyrene	240		ug/Kg	21	90.6	4	PAH SIM		

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	51207-31-9	2,3,7,8-TCDF	0.002	UJ	ng/L	0.002		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	1746-01-6	2,3,7,8-TCDD	0.002	UJ	ng/L	0.002		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	57117-41-6	1,2,3,7,8-PeCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	57117-31-4	2,3,4,7,8-PeCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	40321-76-4	1,2,3,7,8-PeCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	70648-26-9	1,2,3,4,7,8-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	57117-44-9	1,2,3,6,7,8-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	39227-28-6	1,2,3,4,7,8-HxCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	57653-85-7	1,2,3,6,7,8-HxCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	19408-74-3	1,2,3,7,8,9-HxCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	0.01	UJ	ng/L	0.01		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	39001-02-0	OCDF	0.02	UJ	ng/L	0.02		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-004	105776306	AQ	6/21/2004	6/29/2004	7/1/2004	3268-87-9	OCDD	0.023	UJ	ng/L	0.02		1	SW-8290	I	Blank Action & Result uncertain below the calibration range
RB-004	105776306	AQ	6/21/2004	6/29/2004			TEQ using 89-ITE-Factors	0.000023	UJ	ng/L				SW-8290	I	Blank Action & Result uncertain below the calibration range
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	51207-31-9	2,3,7,8-TCDF	0.7	J	ng/Kg	0.2	0.89	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	1746-01-6	2,3,7,8-TCDD	0.98	J	ng/Kg	0.61	0.89	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	57117-41-6	1,2,3,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	57117-31-4	2,3,4,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	40321-76-4	1,2,3,7,8-PeCDD	3.9	J	ng/Kg	0.99	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	70648-26-9	1,2,3,4,7,8-HxCDF	2.1	J	ng/Kg	0.99	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1.5	J	ng/Kg	0.99	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	60851-34-5	2,3,4,6,7,8-HxCDF	2.2	J	ng/Kg	0.99	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.99	UJ	ng/Kg	0.99	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	39227-28-6	1,2,3,4,7,8-HxCDD	3.2	J	ng/Kg	0.99	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	57653-85-7	1,2,3,6,7,8-HxCDD	29		ng/Kg	0.99	0.89	1	SW-8290		
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	19408-74-3	1,2,3,7,8,9-HxCDD	11		ng/Kg	0.99	0.89	1	SW-8290		
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	52		ng/Kg	0.99	0.89	1	SW-8290		
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	3.6	J	ng/Kg	0.99	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	510		ng/Kg	1.3	0.89	1	SW-8290		RL = Estimated Detection Limit (EDL)
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	39001-02-0	OCDF	190		ng/Kg	2	0.89	1	SW-8290		
SC-033	105776298	SO	6/21/2004	6/26/2004	6/29/2004	3268-87-9	OCDD	8400		ng/Kg	2	0.89	1	SW-8290		
SC-033	105776298	SO	6/21/2004	6/26/2004			TEQ using 89-ITE-Factors	22		ng/Kg		0.89		SW-8290		
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	51207-31-9	2,3,7,8-TCDF	0.76	J	ng/Kg	0.21	0.89	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	1746-01-6	2,3,7,8-TCDD	0.6	J	ng/Kg	0.57	0.89	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	57117-41-6	1,2,3,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	57117-31-4	2,3,4,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	40321-76-4	1,2,3,7,8-PeCDD	2.1	J	ng/Kg	0.99	0.89	1	SW-8290	I	Result uncertain below the calibration range; FD imprecision
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	70648-26-9	1,2,3,4,7,8-HxCDF	2.8	J	ng/Kg	0.99	0.89	1	SW-8290	I	Result uncertain below the calibration range
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1.2	J	ng/Kg	0.99	0.89	1	SW-8290	I	Result uncertain below the calibration range
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	60851-34-5	2,3,4,6,7,8-HxCDF	1.1	J	ng/Kg	0.99	0.89	1	SW-8290	I	Result uncertain below the calibration range
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.99	UJ	ng/Kg	0.99	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	39227-28-6	1,2,3,4,7,8-HxCDD	2.4	J	ng/Kg	0.99	0.89	1	SW-8290	I	Result uncertain below the calibration range
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	57663-85-7	1,2,3,6,7,8-HxCDD	17	J	ng/Kg	0.99	0.89	1	SW-8290	I	FD imprecision
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	19408-74-3	1,2,3,7,8,9-HxCDD	7.3	J	ng/Kg	0.99	0.89	1	SW-8290	I	FD imprecision
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	38		ng/Kg	0.99	0.89	1	SW-8290		
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	2.3	J	ng/Kg	0.99	0.89	1	SW-8290	I	Result uncertain below the calibration range
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	290		ng/Kg	0.99	0.89	1	SW-8290		
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	39001-02-0	OCDF	140		ng/Kg	2	0.89	1	SW-8290		
SCE-035	105776314	SO	6/21/2004	6/26/2004	6/29/2004	3268-87-9	OCDD	4000		ng/Kg	2	0.89	1	SW-8290		
SCE-035	105776314	SO	6/21/2004	6/26/2004			TEQ using 89-ITE-Factors	12		ng/Kg		0.89		SW-8290		
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	51207-31-9	2,3,7,8-TCDF	0.72	J	ng/Kg	0.22	0.85	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	1746-01-6	2,3,7,8-TCDD	1.1		ng/Kg	0.53	0.85	1	SW-8290		RL = Estimated Detection Limit (EDL)
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	57117-41-6	1,2,3,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	57117-31-4	2,3,4,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	40321-76-4	1,2,3,7,8-PeCDD	4.7	J	ng/Kg	0.99	0.85	1	SW-8290	I	Result uncertain below the calibration range
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	70648-26-9	1,2,3,4,7,8-HxCDF	2.5	J	ng/Kg	0.99	0.85	1	SW-8290	I	Result uncertain below the calibration range
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1.5	J	ng/Kg	0.99	0.85	1	SW-8290	I	Result uncertain below the calibration range
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	60851-34-5	2,3,4,6,7,8-HxCDF	1.3	J	ng/Kg	0.99	0.85	1	SW-8290	I	Result uncertain below the calibration range
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.99	UJ	ng/Kg	0.99	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	39227-28-6	1,2,3,4,7,8-HxCDD	4.5	J	ng/Kg	0.99	0.85	1	SW-8290	I	Result uncertain below the calibration range
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	57663-85-7	1,2,3,6,7,8-HxCDD	31		ng/Kg	0.99	0.85	1	SW-8290		
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	19408-74-3	1,2,3,7,8,9-HxCDD	15		ng/Kg	0.99	0.85	1	SW-8290		
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	39		ng/Kg	0.99	0.85	1	SW-8290		
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	2.1	J	ng/Kg	0.99	0.85	1	SW-8290	I	Result uncertain below the calibration range
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	390		ng/Kg	0.99	0.85	1	SW-8290		
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	39001-02-0	OCDF	100		ng/Kg	2	0.85	1	SW-8290		
SC-036	105776355	SO	6/21/2004	6/26/2004	6/29/2004	3268-87-9	OCDD	4900		ng/Kg	2	0.85	1	SW-8290		
SC-036	105776355	SO	6/21/2004	6/26/2004			TEQ using 89-ITE-Factors	18		ng/Kg		0.85		SW-8290		
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	51207-31-9	2,3,7,8-TCDF	1		ng/Kg	0.2	0.92	1	SW-8290		
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	1746-01-6	2,3,7,8-TCDD	0.49	J	ng/Kg	0.45	0.92	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	57117-41-6	1,2,3,7,8-PeCDF	1	UJ	ng/Kg	1	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	57117-31-4	2,3,4,7,8-PeCDF	1	UJ	ng/Kg	1	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	40321-76-4	1,2,3,7,8-PeCDD	1.2	J	ng/Kg	1	0.92	1	SW-8290	I	Result uncertain below the calibration range
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	70648-26-9	1,2,3,4,7,8-HxCDF	2.6	J	ng/Kg	1	0.92	1	SW-8290	I	Result uncertain below the calibration range
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1	UJ	ng/Kg	1	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	60851-34-5	2,3,4,6,7,8-HxCDF	1.5	J	ng/Kg	1	0.92	1	SW-8290	I	Result uncertain below the calibration range
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1	UJ	ng/Kg	1	0.92	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	39227-28-6	1,2,3,4,7,8-HxCDD	1.3	J	ng/Kg	1	0.92	1	SW-8290	I	Result uncertain below the calibration range
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	57663-85-7	1,2,3,6,7,8-HxCDD	7.9		ng/Kg	1	0.92	1	SW-8290		
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	19408-74-3	1,2,3,7,8,9-HxCDD	2.9	J	ng/Kg	1	0.92	1	SW-8290	I	Result uncertain below the calibration range
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	38		ng/Kg	1	0.92	1	SW-8290		
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	1.7	J	ng/Kg	1	0.92	1	SW-8290	I	Result uncertain below the calibration range
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	300		ng/Kg	1	0.92	1	SW-8290		
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	39001-02-0	OCDF	94		ng/Kg	2	0.92	1	SW-8290		
SC-037	105776363	SO	6/22/2004	6/26/2004	6/29/2004	3268-87-9	OCDD	5200		ng/Kg	2	0.92	1	SW-8290		
SC-037	105776363	SO	6/22/2004	6/26/2004			TEQ using 89-ITE-Factors	12		ng/Kg		0.92		SW-8290		
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	51207-31-9	2,3,7,8-TCDF	0.69	J	ng/Kg	0.21	0.88	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	1746-01-6	2,3,7,8-TCDD	1.6		ng/Kg	0.59	0.88	1	SW-8290		RL = Estimated Detection Limit (EDL)
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	57117-41-6	1,2,3,7,8-PeCDF	0.97	UJ	ng/Kg	0.97	0.88	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillia ologies
Pownal Tannery Sup Site, Pownal, VT
Soil Cover Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	57117-31-4	2,3,4,7,8-PeCDF	1	J	ng/Kg	0.97	0.88	1	SW-8290	I	Result uncertain below the calibration range
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	40321-76-4	1,2,3,7,8-PeCDD	7.3		ng/Kg	0.97	0.88	1	SW-8290		
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	70648-26-9	1,2,3,4,7,8-HxCDF	6.9		ng/Kg	0.97	0.88	1	SW-8290		
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1.8	J	ng/Kg	0.97	0.88	1	SW-8290	I	Result uncertain below the calibration range
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	60851-34-5	2,3,4,6,7,8-HxCDF	2.4	J	ng/Kg	0.97	0.88	1	SW-8290	I	Result uncertain below the calibration range
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.97	UJ	ng/Kg	0.97	0.88	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	39227-28-6	1,2,3,4,7,8-HxCDD	5.1		ng/Kg	0.97	0.88	1	SW-8290		
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	57663-85-7	1,2,3,6,7,8-HxCDD	38		ng/Kg	0.97	0.88	1	SW-8290		
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	19408-74-3	1,2,3,7,8,9-HxCDD	17		ng/Kg	0.97	0.88	1	SW-8290		
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	50		ng/Kg	0.97	0.88	1	SW-8290		
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	3.2	J	ng/Kg	0.97	0.88	1	SW-8290	I	Result uncertain below the calibration range
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	500		ng/Kg	0.97	0.88	1	SW-8290		
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	39001-02-0	OCDF	160		ng/Kg	1.9	0.88	1	SW-8290		
SC-034	105776397	SO	6/21/2004	6/26/2004	6/29/2004	3268-87-9	OCDD	7700		ng/Kg	1.9	0.88	1	SW-8290		
SC-034	105776397	SO	6/21/2004	6/26/2004			TEQ using 89-ITE-Factors	26		ng/Kg		0.88		SW-8290		
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	51207-31-9	2,3,7,8-TCDF	0.59	J	ng/Kg	0.28	0.89	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	1746-01-6	2,3,7,8-TCDD	1	J	ng/Kg	0.49	0.89	1	SW-8290	I	MD imprecision; RL = Estimated Detection Limit (EDL)
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	57117-41-6	1,2,3,7,8-PeCDF	1	UJ	ng/Kg	1	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	57117-31-4	2,3,4,7,8-PeCDF	1	UJ	ng/Kg	1	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	40321-76-4	1,2,3,7,8-PeCDD	4.7	J	ng/Kg	1	0.89	1	SW-8290	I	Result uncertain below the calibration range; MD & FD imprecision
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	70648-26-9	1,2,3,4,7,8-HxCDF	4.3	J	ng/Kg	1	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	57117-44-9	1,2,3,6,7,8-HxCDF	2	J	ng/Kg	1	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	60851-34-5	2,3,4,6,7,8-HxCDF	1.5	J	ng/Kg	1	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1	UJ	ng/Kg	1	0.89	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	39227-28-6	1,2,3,4,7,8-HxCDD	3.8	J	ng/Kg	1	0.89	1	SW-8290	I	Result uncertain below the calibration range; MD imprecision
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	57663-85-7	1,2,3,6,7,8-HxCDD	30	J	ng/Kg	1	0.89	1	SW-8290	I	MD & FD imprecision
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	19408-74-3	1,2,3,7,8,9-HxCDD	13	J	ng/Kg	1	0.89	1	SW-8290	I	MD & FD imprecision
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	42		ng/Kg	1	0.89	1	SW-8290		
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	2.2	J	ng/Kg	1	0.89	1	SW-8290	I	Result uncertain below the calibration range
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	420	J	ng/Kg	1	0.89	1	SW-8290	I	MD imprecision
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	39001-02-0	OCDF	150		ng/Kg	2	0.89	1	SW-8290		
SC-035	105776439	SO	6/21/2004	6/26/2004	6/29/2004	3268-87-9	OCDD	5600		ng/Kg	2	0.89	1	SW-8290		
SC-035	105776439	SO	6/21/2004	6/26/2004			TEQ using 89-ITE-Factors	19	J	ng/Kg		0.89		SW-8290	I	MD imprecision
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	51207-31-9	2,3,7,8-TCDF	0.67	J	ng/Kg	0.2	0.88	1	SW-8290	I	Result uncertain below the calibration range
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	1746-01-6	2,3,7,8-TCDD	1.3		ng/Kg	0.38	0.88	1	SW-8290		RL = Estimated Detection Limit (EDL)
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	57117-41-6	1,2,3,7,8-PeCDF	0.99	UJ	ng/Kg	0.99	0.88	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	57117-31-4	2,3,4,7,8-PeCDF	1.1	J	ng/Kg	0.99	0.88	1	SW-8290	I	Result uncertain below the calibration range
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	40321-76-4	1,2,3,7,8-PeCDD	6.1		ng/Kg	0.99	0.88	1	SW-8290		
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	70648-26-9	1,2,3,4,7,8-HxCDF	3	J	ng/Kg	0.99	0.88	1	SW-8290	I	Result uncertain below the calibration range
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	57117-44-9	1,2,3,6,7,8-HxCDF	1.9	J	ng/Kg	0.99	0.88	1	SW-8290	I	Result uncertain below the calibration range
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	60851-34-5	2,3,4,6,7,8-HxCDF	1.7	J	ng/Kg	0.99	0.88	1	SW-8290	I	Result uncertain below the calibration range
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.99	UJ	ng/Kg	0.99	0.88	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	39227-28-6	1,2,3,4,7,8-HxCDD	4.9	J	ng/Kg	0.99	0.88	1	SW-8290	I	Result uncertain below the calibration range
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	57663-85-7	1,2,3,6,7,8-HxCDD	43		ng/Kg	0.99	0.88	1	SW-8290		
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	19408-74-3	1,2,3,7,8,9-HxCDD	18		ng/Kg	0.99	0.88	1	SW-8290		
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	57		ng/Kg	0.99	0.88	1	SW-8290		
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	3.3	J	ng/Kg	0.99	0.88	1	SW-8290	I	Result uncertain below the calibration range
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	630		ng/Kg	0.99	0.88	1	SW-8290		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	39001-02-0	OCDF	180		ng/Kg	2	0.88	1	SW-8290		
SC-032	105776280	SO	6/21/2004	6/26/2004	6/29/2004	3268-87-9	OCDD	9300		ng/Kg	2	0.88	1	SW-8290		
SC-032	105776280	SO	6/21/2004	6/26/2004			TEQ using 89-ITE-Factors	29		ng/Kg		0.88		SW-8290		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7429-90-5	Aluminum	50	U	ug/L	N/A	50		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7429-90-5	Aluminum	6700		mg/Kg	Dry	1.8	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7429-90-5	Aluminum	6700		mg/Kg	Dry	2.0	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7429-90-5	Aluminum	7400		mg/Kg	Dry	2.3	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7429-90-5	Aluminum	7200		mg/Kg	Dry	2.0	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7429-90-5	Aluminum	6700		mg/Kg	Dry	1.6	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7429-90-5	Aluminum	6100		mg/Kg	Dry	1.7	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7429-90-5	Aluminum	7100		mg/Kg	Dry	1.7	86.8	5	6020A		
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-36-0	Antimony	10	U	ug/L	N/A	10		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-36-0	Antimony	0.52	J	mg/Kg	Dry	0.16	87.7	5	6020A	L	MS low
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-36-0	Antimony	0.44	J	mg/Kg	Dry	0.21	87.5	5	6020A	L	MS low
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-36-0	Antimony	0.31	J	mg/Kg	Dry	0.14	87.5	5	6020A	L	MS low
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-36-0	Antimony	1.1	J	mg/Kg	Dry	0.17	86.2	5	6020A	L	MS low
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-36-0	Antimony	0.47	J	mg/Kg	Dry	0.19	85.8	5	6020A	L	MS low
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-36-0	Antimony	0.45	J	mg/Kg	Dry	0.16	90.6	5	6020A	L	MS low
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-36-0	Antimony	0.37	J	mg/Kg	Dry	0.15	86.8	5	6020A	L	MS low
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-38-2	Arsenic	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-38-2	Arsenic	4.4		mg/Kg	Dry	0.091	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-38-2	Arsenic	3.1		mg/Kg	Dry	0.10	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-38-2	Arsenic	3.1		mg/Kg	Dry	0.12	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-38-2	Arsenic	3.9		mg/Kg	Dry	0.099	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-38-2	Arsenic	3.7		mg/Kg	Dry	0.079	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-38-2	Arsenic	3.6		mg/Kg	Dry	0.085	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-38-2	Arsenic	3.6		mg/Kg	Dry	0.083	86.8	5	6020A		
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-39-3	Barium	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-39-3	Barium	34		mg/Kg	Dry	0.018	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-39-3	Barium	32		mg/Kg	Dry	0.020	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-39-3	Barium	45		mg/Kg	Dry	0.023	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-39-3	Barium	36		mg/Kg	Dry	0.020	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-39-3	Barium	32		mg/Kg	Dry	0.016	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-39-3	Barium	29		mg/Kg	Dry	0.017	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-39-3	Barium	32		mg/Kg	Dry	0.017	86.8	5	6020A		
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-41-7	Beryllium	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-41-7	Beryllium	0.23		mg/Kg	Dry	0.018	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-41-7	Beryllium	0.21		mg/Kg	Dry	0.020	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-41-7	Beryllium	0.23		mg/Kg	Dry	0.023	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-41-7	Beryllium	0.23		mg/Kg	Dry	0.020	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-41-7	Beryllium	0.21		mg/Kg	Dry	0.016	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-41-7	Beryllium	0.18		mg/Kg	Dry	0.017	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-41-7	Beryllium	0.22		mg/Kg	Dry	0.017	86.8	5	6020A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect at estimated RL; J = Result is estimated; B = Analyte detected in non-matrix matched blank.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

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Validated: 07/21/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-43-9	Cadmium	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-43-9	Cadmium	0.62		mg/Kg	Dry	0.018	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-43-9	Cadmium	0.50		mg/Kg	Dry	0.020	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-43-9	Cadmium	0.57		mg/Kg	Dry	0.023	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-43-9	Cadmium	0.42		mg/Kg	Dry	0.020	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-43-9	Cadmium	0.46		mg/Kg	Dry	0.016	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-43-9	Cadmium	0.35		mg/Kg	Dry	0.017	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-43-9	Cadmium	0.39		mg/Kg	Dry	0.017	86.8	5	6020A		
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-70-2	Calcium	250	U	ug/L	N/A	250		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-70-2	Calcium	4100	J	mg/Kg	Dry	91	87.7	5	6020A	L	MS low
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-70-2	Calcium	4000	J	mg/Kg	Dry	100	87.5	5	6020A	L	MS low
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-70-2	Calcium	4500	J	mg/Kg	Dry	120	87.5	5	6020A	L	MS low
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-70-2	Calcium	3000	J	mg/Kg	Dry	99	86.2	5	6020A	L	MS low
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-70-2	Calcium	3200	J	mg/Kg	Dry	79	85.8	5	6020A	L	MS low
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-70-2	Calcium	3200	J	mg/Kg	Dry	85	90.6	5	6020A	L	MS low
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-70-2	Calcium	2900	J	mg/Kg	Dry	83	86.8	5	6020A	L	MS low
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-47-3	Chromium	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-47-3	Chromium	230		mg/Kg	Dry	0.091	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-47-3	Chromium	170		mg/Kg	Dry	0.10	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-47-3	Chromium	260		mg/Kg	Dry	0.12	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-47-3	Chromium	140		mg/Kg	Dry	0.099	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-47-3	Chromium	160		mg/Kg	Dry	0.079	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-47-3	Chromium	120		mg/Kg	Dry	0.085	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-47-3	Chromium	99		mg/Kg	Dry	0.083	86.8	5	6020A		
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-48-4	Cobalt	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-48-4	Cobalt	8.0		mg/Kg	Dry	0.046	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-48-4	Cobalt	7.5		mg/Kg	Dry	0.050	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-48-4	Cobalt	9.4		mg/Kg	Dry	0.059	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-48-4	Cobalt	7.9		mg/Kg	Dry	0.049	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-48-4	Cobalt	7.2		mg/Kg	Dry	0.039	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-48-4	Cobalt	6.7		mg/Kg	Dry	0.043	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-48-4	Cobalt	7.7		mg/Kg	Dry	0.042	86.8	5	6020A		
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-50-8	Copper	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-50-8	Copper	20		mg/Kg	Dry	0.18	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-50-8	Copper	18		mg/Kg	Dry	0.20	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-50-8	Copper	24		mg/Kg	Dry	0.23	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-50-8	Copper	20		mg/Kg	Dry	0.20	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-50-8	Copper	19		mg/Kg	Dry	0.16	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-50-8	Copper	20		mg/Kg	Dry	0.17	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-50-8	Copper	20		mg/Kg	Dry	0.17	86.8	5	6020A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect at estimated RL; J = Result is estimated; B = Analyte detected in non-matrix matched blank.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7439-89-6	Iron	250	U	ug/L	N/A	250		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7439-89-6	Iron	18000		mg/Kg	Dry	36	87.7	100	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7439-89-6	Iron	16000		mg/Kg	Dry	40	87.5	100	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7439-89-6	Iron	17000		mg/Kg	Dry	47	87.5	100	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7439-89-6	Iron	18000		mg/Kg	Dry	40	86.2	100	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7439-89-6	Iron	16000		mg/Kg	Dry	32	85.8	100	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7439-89-6	Iron	17000		mg/Kg	Dry	34	90.6	100	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7439-89-6	Iron	17000		mg/Kg	Dry	33	86.8	100	6020A		
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7439-92-1	Lead	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7439-92-1	Lead	23		mg/Kg	Dry	0.018	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7439-92-1	Lead	17		mg/Kg	Dry	0.020	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7439-92-1	Lead	21		mg/Kg	Dry	0.023	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7439-92-1	Lead	19		mg/Kg	Dry	0.020	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7439-92-1	Lead	26		mg/Kg	Dry	0.016	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7439-92-1	Lead	19		mg/Kg	Dry	0.017	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7439-92-1	Lead	17		mg/Kg	Dry	0.017	86.8	5	6020A		
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7439-95-4	Magnesium	50	U	ug/L	N/A	50		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7439-95-4	Magnesium	3800		mg/Kg	Dry	1.8	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7439-95-4	Magnesium	3900		mg/Kg	Dry	2.0	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7439-95-4	Magnesium	3900		mg/Kg	Dry	2.3	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7439-95-4	Magnesium	3600		mg/Kg	Dry	2.0	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7439-95-4	Magnesium	3500		mg/Kg	Dry	1.6	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7439-95-4	Magnesium	3600		mg/Kg	Dry	1.7	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7439-95-4	Magnesium	3700		mg/Kg	Dry	1.7	86.8	5	6020A		
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7439-96-5	Manganese	250	U	ug/L	N/A	250		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7439-96-5	Manganese	460		mg/Kg	Dry	27	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7439-96-5	Manganese	540		mg/Kg	Dry	30	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7439-96-5	Manganese	680		mg/Kg	Dry	35	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7439-96-5	Manganese	450		mg/Kg	Dry	30	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7439-96-5	Manganese	430		mg/Kg	Dry	24	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7439-96-5	Manganese	420		mg/Kg	Dry	26	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7439-96-5	Manganese	430		mg/Kg	Dry	25	86.8	5	6020A		
RB-004	0406125-03	AQ	06/21/2004	06/25/2004	06/25/2004	7439-97-6	Mercury	0.20	U	ug/L	N/A	0.20		1	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7439-97-6	Mercury	0.18	J	mg/Kg	Dry	0.0058	87.7	1	7471A	L	MS low
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7439-97-6	Mercury	0.39	J	mg/Kg	Dry	0.0066	87.5	1	7471A	L	MS low
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7439-97-6	Mercury	0.18	J	mg/Kg	Dry	0.0052	87.5	1	7471A	L	MS low
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7439-97-6	Mercury	0.15	J	mg/Kg	Dry	0.0046	86.2	1	7471A	L	MS low
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7439-97-6	Mercury	0.16	J	mg/Kg	Dry	0.0066	85.8	1	7471A	L	MS low
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7439-97-6	Mercury	0.14	J	mg/Kg	Dry	0.0052	90.6	1	7471A	L	MS low
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7439-97-6	Mercury	0.16	J	mg/Kg	Dry	0.0050	86.8	1	7471A	L	MS low

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect at estimated RL; J = Result is estimated; B = Analyte detected in non-matrix matched blank.
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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-02-0	Nickel	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-02-0	Nickel	14		mg/Kg	Dry	0.91	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-02-0	Nickel	13		mg/Kg	Dry	1.0	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-02-0	Nickel	14		mg/Kg	Dry	1.2	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-02-0	Nickel	14		mg/Kg	Dry	0.99	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-02-0	Nickel	13		mg/Kg	Dry	0.79	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-02-0	Nickel	12		mg/Kg	Dry	0.85	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-02-0	Nickel	14		mg/Kg	Dry	0.83	86.8	5	6020A		
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-09-7	Potassium	250	U	ug/L	N/A	250		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-09-7	Potassium	410		mg/Kg	Dry	9.1	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-09-7	Potassium	420		mg/Kg	Dry	10	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-09-7	Potassium	440		mg/Kg	Dry	12	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-09-7	Potassium	450	J	mg/Kg	Dry	9.9	86.2	5	6020A	H	CCV high
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-09-7	Potassium	400	J	mg/Kg	Dry	7.9	85.8	5	6020A	H	CCV high
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-09-7	Potassium	380	J	mg/Kg	Dry	8.5	90.6	5	6020A	H	CCV high
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-09-7	Potassium	440	J	mg/Kg	Dry	8.3	86.8	5	6020A	H	CCV high
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7782-49-2	Selenium	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7782-49-2	Selenium	0.21	UJ	mg/Kg	Dry	0.091	87.7	5	6020A	L	MS low
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7782-49-2	Selenium	0.14	J	mg/Kg	Dry	0.10	87.5	5	6020A	L	MS low
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7782-49-2	Selenium	0.12	UJ	mg/Kg	Dry	0.12	87.5	5	6020A	L	MS low
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7782-49-2	Selenium	0.099	UJ	mg/Kg	Dry	0.099	86.2	5	6020A	L	MS low
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7782-49-2	Selenium	0.10	J	mg/Kg	Dry	0.079	85.8	5	6020A	L	MS low
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7782-49-2	Selenium	0.098	J	mg/Kg	Dry	0.085	90.6	5	6020A	L	MS low
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7782-49-2	Selenium	0.10	J	mg/Kg	Dry	0.083	86.8	5	6020A	L	MS low
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-22-4	Silver	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-22-4	Silver	0.23		mg/Kg	Dry	0.016	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-22-4	Silver	0.15		mg/Kg	Dry	0.021	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-22-4	Silver	0.14		mg/Kg	Dry	0.014	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-22-4	Silver	0.14		mg/Kg	Dry	0.017	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-22-4	Silver	0.16		mg/Kg	Dry	0.019	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-22-4	Silver	0.16		mg/Kg	Dry	0.016	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-22-4	Silver	0.15		mg/Kg	Dry	0.015	86.8	5	6020A		
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-23-5	Sodium	750	U	ug/L	N/A	750		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-23-5	Sodium	34		mg/Kg	Dry	27	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-23-5	Sodium	34		mg/Kg	Dry	30	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-23-5	Sodium	41		mg/Kg	Dry	35	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-23-5	Sodium	39		mg/Kg	Dry	30	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-23-5	Sodium	49		mg/Kg	Dry	24	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-23-5	Sodium	43		mg/Kg	Dry	26	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-23-5	Sodium	44		mg/Kg	Dry	25	86.8	5	6020A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect at estimated RL; J = Result is estimated; B = Analyte detected in non-matrix matched blank.
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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
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Validated: 07/21/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-28-0	Thallium	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-28-0	Thallium	0.12		mg/Kg	Dry	0.091	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-28-0	Thallium	0.10	U	mg/Kg	Dry	0.10	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-28-0	Thallium	0.12	U	mg/Kg	Dry	0.12	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-28-0	Thallium	0.099	U	mg/Kg	Dry	0.099	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-28-0	Thallium	0.079	U	mg/Kg	Dry	0.079	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-28-0	Thallium	0.085	U	mg/Kg	Dry	0.085	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-28-0	Thallium	0.083	U	mg/Kg	Dry	0.083	86.8	5	6020A		
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-62-2	Vanadium	25	U	ug/L	N/A	25		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-62-2	Vanadium	7.6		mg/Kg	Dry	0.091	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-62-2	Vanadium	6.6		mg/Kg	Dry	0.10	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-62-2	Vanadium	7.3		mg/Kg	Dry	0.12	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-62-2	Vanadium	7.4		mg/Kg	Dry	0.099	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-62-2	Vanadium	7.0		mg/Kg	Dry	0.079	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-62-2	Vanadium	6.5		mg/Kg	Dry	0.085	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-62-2	Vanadium	7.5		mg/Kg	Dry	0.083	86.8	5	6020A		
RB-004	0406125-03	AQ	06/21/2004	06/23/2004	06/24/2004	7440-66-6	Zinc	50	U	ug/L	N/A	50		5	6020A		
SC-032	0406125-01	SO	06/21/2004	06/23/2004	06/24/2004	7440-66-6	Zinc	72		mg/Kg	Dry	0.37	87.7	5	6020A		
SC-033	0406125-02	SO	06/21/2004	06/23/2004	06/24/2004	7440-66-6	Zinc	62		mg/Kg	Dry	0.40	87.5	5	6020A		
SC-034	0406125-04	SO	06/21/2004	06/23/2004	06/24/2004	7440-66-6	Zinc	67		mg/Kg	Dry	0.47	87.5	5	6020A		
SC-035	0406125-05	SO	06/21/2004	06/23/2004	06/24/2004	7440-66-6	Zinc	75		mg/Kg	Dry	0.39	86.2	5	6020A		
SC-036	0406125-07	SO	06/21/2004	06/23/2004	06/24/2004	7440-66-6	Zinc	65		mg/Kg	Dry	0.31	85.8	5	6020A		
SC-037	0406125-11	SO	06/22/2004	06/23/2004	06/24/2004	7440-66-6	Zinc	69		mg/Kg	Dry	0.34	90.6	5	6020A		
SCE-035	0406125-06	SO	06/21/2004	06/23/2004	06/24/2004	7440-66-6	Zinc	68		mg/Kg	Dry	0.33	86.8	5	6020A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect at estimated RL; J = Result is estimated; B = Analyte detected in non-matrix matched blank.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-038	0407142-01	SO	07/28/2004		08/09/2004	75-71-8	Dichlorodifluoromethane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	74-87-3	Chloromethane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	75-01-4	Vinyl chloride	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	74-83-9	Bromomethane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	75-00-3	Chloroethane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	75-69-4	Trichlorofluoromethane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	75-35-4	1,1-Dichloroethene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	79-20-9	Methyl acetate	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	67-64-1	Acetone	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	75-15-0	Carbon disulfide	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	75-09-2	Methylene chloride	3.5	UJ	ug/Kg	3.5	80.9	1	8260	I	ICAL out
SC-038	0407142-01	SO	07/28/2004		08/09/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	156-60-5	trans-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	75-34-3	1,1-Dichloroethane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	156-59-2	cis-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	78-93-3	2-Butanone (MEK)	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	110-82-7	Cyclohexane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	67-66-3	Chloroform	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	71-55-6	1,1,1-Trichloroethane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	56-23-5	Carbon tetrachloride	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	71-43-2	Benzene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	107-06-2	1,2-Dichloroethane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	79-01-6	Trichloroethene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	78-87-5	1,2-Dichloropropane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	75-27-4	Bromodichloromethane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	10061-01-5	cis-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	108-88-3	Toluene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	108-87-2	Methylcyclohexane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	10061-02-6	trans-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	79-00-5	1,1,2-Trichloroethane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	127-18-4	Tetrachloroethene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	591-78-6	2-Hexanone	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	124-48-1	Dibromochloromethane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	106-93-4	1,2-Dibromoethane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	108-90-7	Chlorobenzene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	100-41-4	Ethylbenzene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	1330-20-7	Xylenes, Total	4.2	U	ug/Kg	4.2	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	100-42-5	Styrene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	75-25-2	Bromoform	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	98-82-8	Isopropylbenzene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	541-73-1	1,3-Dichlorobenzene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	106-46-7	1,4-Dichlorobenzene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	95-50-1	1,2-Dichlorobenzene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	96-12-8	1,2-Dibromo-3-chloropropane	3.5	U	ug/Kg	3.5	80.9	1	8260		
SC-038	0407142-01	SO	07/28/2004		08/09/2004	120-82-1	1,2,4-Trichlorobenzene	1.4	U	ug/Kg	1.4	80.9	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	75-71-8	Dichlorodifluoromethane	1.4	U	ug/Kg	1.4	83.5	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	74-87-3	Chloromethane	1.4	U	ug/Kg	1.4	83.5	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	75-01-4	Vinyl chloride	1.4	U	ug/Kg	1.4	83.5	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	74-83-9	Bromomethane	1.4	U	ug/Kg	1.4	83.5	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	75-00-3	Chloroethane	1.4	U	ug/Kg	1.4	83.5	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	75-69-4	Trichlorofluoromethane	1.4	U	ug/Kg	1.4	83.5	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	ug/Kg	1.4	83.5	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	75-35-4	1,1-Dichloroethene	1.4	U	ug/Kg	1.4	83.5	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	79-20-9	Methyl acetate	1.4	U	ug/Kg	1.4	83.5	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	67-64-1	Acetone	1.9		ug/Kg	1.4	83.5	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	75-15-0	Carbon disulfide	1.4	U	ug/Kg	1.4	83.5	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	75-09-2	Methylene chloride	3.4	UJ	ug/Kg	3.4	83.5	1	8260	I	Blank Action; ICAL out

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-039	0407142-02	SO	07/28/2004		08/09/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	156-60-5	trans-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	75-34-3	1,1-Dichloroethane	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	156-59-2	cis-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	78-93-3	2-Butanone (MEK)	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	110-82-7	Cyclohexane	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	67-66-3	Chloroform	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	71-55-6	1,1,1-Trichloroethane	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	56-23-5	Carbon tetrachloride	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	71-43-2	Benzene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	107-06-2	1,2-Dichloroethane	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	79-01-6	Trichloroethene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	78-87-5	1,2-Dichloropropane	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	75-27-4	Bromodichloromethane	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	10061-01-5	cis-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	108-88-3	Toluene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	108-87-2	Methylcyclohexane	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	10061-02-6	trans-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	79-00-5	1,1,2-Trichloroethane	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	127-18-4	Tetrachloroethene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	591-78-6	2-Hexanone	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	124-48-1	Dibromochloromethane	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	106-93-4	1,2-Dibromoethane	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	108-90-7	Chlorobenzene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	100-41-4	Ethylbenzene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	1330-20-7	Xylenes, Total	4.1	U	ug/Kg	4.1	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	100-42-5	Styrene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	75-25-2	Bromoform	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	98-82-8	Isopropylbenzene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	541-73-1	1,3-Dichlorobenzene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	106-46-7	1,4-Dichlorobenzene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	95-50-1	1,2-Dichlorobenzene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	96-12-8	1,2-Dibromo-3-chloropropane	3.4	U	ug/Kg	3.4	83.6	1	8260		
SC-039	0407142-02	SO	07/28/2004		08/09/2004	120-82-1	1,2,4-Trichlorobenzene	1.4	U	ug/Kg	1.4	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	75-71-8	Dichlorodifluoromethane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	74-87-3	Chloromethane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	75-01-4	Vinyl chloride	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	74-83-9	Bromomethane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	75-00-3	Chloroethane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	75-69-4	Trichlorofluoromethane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	75-35-4	1,1-Dichloroethene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	79-20-9	Methyl acetate	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	67-64-1	Acetone	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	75-15-0	Carbon disulfide	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	75-09-2	Methylene chloride	3.3	UJ	ug/Kg	3.3	83.6	1	8260	I	Blank Action; ICAL out
SC-040	0407142-03	SO	07/28/2004		08/09/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	156-60-5	trans-1,2-Dichloroethene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	75-34-3	1,1-Dichloroethane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	156-59-2	cis-1,2-Dichloroethene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	78-93-3	2-Butanone (MEK)	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	110-82-7	Cyclohexane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	67-66-3	Chloroform	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	71-55-6	1,1,1-Trichloroethane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	56-23-5	Carbon tetrachloride	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	71-43-2	Benzene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	107-06-2	1,2-Dichloroethane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	79-01-6	Trichloroethene	1.3	U	ug/Kg	1.3	83.6	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-040	0407142-03	SO	07/28/2004		08/09/2004	78-87-5	1,2-Dichloropropane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	75-27-4	Bromodichloromethane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	10061-01-5	cis-1,3-Dichloropropene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	108-88-3	Toluene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	108-87-2	Methylcyclohexane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	10061-02-6	trans-1,3-Dichloropropene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	79-00-5	1,1,2-Trichloroethane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	127-18-4	Tetrachloroethene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	591-78-6	2-Hexanone	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	124-48-1	Dibromochloromethane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	106-93-4	1,2-Dibromoethane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	108-90-7	Chlorobenzene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	100-41-4	Ethylbenzene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	1330-20-7	Xylenes, Total	4.0	U	ug/Kg	4.0	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	100-42-5	Styrene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	75-25-2	Bromoform	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	98-82-8	Isopropylbenzene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	541-73-1	1,3-Dichlorobenzene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	106-46-7	1,4-Dichlorobenzene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	95-50-1	1,2-Dichlorobenzene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	96-12-8	1,2-Dibromo-3-chloropropane	3.3	U	ug/Kg	3.3	83.6	1	8260		
SC-040	0407142-03	SO	07/28/2004		08/09/2004	120-82-1	1,2,4-Trichlorobenzene	1.3	U	ug/Kg	1.3	83.6	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	75-71-8	Dichlorodifluoromethane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	74-87-3	Chloromethane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	75-01-4	Vinyl chloride	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	74-83-9	Bromomethane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	75-00-3	Chloroethane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	75-69-4	Trichlorofluoromethane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	75-35-4	1,1-Dichloroethene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	79-20-9	Methyl acetate	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	67-64-1	Acetone	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	75-15-0	Carbon disulfide	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	75-09-2	Methylene chloride	3.5	UJ	ug/Kg	3.5	84.5	1	8260	L	ICAL out
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	156-60-5	trans-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	75-34-3	1,1-Dichloroethane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	156-59-2	cis-1,2-Dichloroethene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	78-93-3	2-Butanone (MEK)	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	110-82-7	Cyclohexane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	67-66-3	Chloroform	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	71-55-6	1,1,1-Trichloroethane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	56-23-5	Carbon tetrachloride	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	71-43-2	Benzene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	107-06-2	1,2-Dichloroethane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	79-01-6	Trichloroethene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	78-87-5	1,2-Dichloropropane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	75-27-4	Bromodichloromethane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	10061-01-5	cis-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	108-88-3	Toluene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	108-87-2	Methylcyclohexane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	10061-02-6	trans-1,3-Dichloropropene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	79-00-5	1,1,2-Trichloroethane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	127-18-4	Tetrachloroethene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	591-78-6	2-Hexanone	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	124-48-1	Dibromochloromethane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	106-93-4	1,2-Dibromoethane	1.4	U	ug/Kg	1.4	84.5	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Soil Cover Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	108-90-7	Chlorobenzene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	100-41-4	Ethylbenzene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	1330-20-7	Xylenes, Total	4.3	U	ug/Kg	4.3	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	100-42-5	Styrene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	75-25-2	Bromoform	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	98-82-8	Isopropylbenzene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	541-73-1	1,3-Dichlorobenzene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	106-46-7	1,4-Dichlorobenzene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	95-50-1	1,2-Dichlorobenzene	1.4	U	ug/Kg	1.4	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	96-12-8	1,2-Dibromo-3-chloropropane	3.6	U	ug/Kg	3.6	84.5	1	8260		
SCE-040	0407142-04	SO	07/28/2004		08/09/2004	120-82-1	1,2,4-Trichlorobenzene	1.4	U	ug/Kg	1.4	84.5	1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	75-71-8	Dichlorodifluoromethane	2.0	UJ	ug/L	2.0		1	8260	L	Low LCS/LCSD Recovery
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	74-87-3	Chloromethane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	75-01-4	Vinyl chloride	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	75-00-3	Chloroethane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	75-69-4	Trichlorofluoromethane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	79-20-9	Methyl acetate	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	67-64-1	Acetone	2.0	UJ	ug/L	2.0		1	8260	L	Low LCS/LCSD Recovery
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	75-15-0	Carbon disulfide	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	75-09-2	Methylene chloride	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	156-59-2	cis-1,2-Dichloroethene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	110-82-7	Cyclohexane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	71-43-2	Benzene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	78-87-5	1,2-Dichloropropane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	10061-01-5	cis-1,3-Dichloropropene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	108-88-3	Toluene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	108-87-2	Methylcyclohexane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	10061-02-6	trans-1,3-Dichloropropene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	79-00-5	1,1,2-Trichloroethane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	591-78-6	2-Hexanone	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	124-48-1	Dibromochloromethane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	106-93-4	1,2-Dibromoethane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	100-42-5	Styrene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	75-25-2	Bromoform	2.9		ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	98-82-8	Isopropylbenzene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	96-12-8	1,2-Dibromo-3-chloropropane	2.0	U	ug/L	2.0		1	8260		
RB-008	0407142-05	AQ	07/28/2004		08/11/2004	120-82-1	1,2,4-Trichlorobenzene	6.0	U	ug/L	6.0		1	8260		RL raised due to ICAL characteristics

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymi nnologies
Pownal Tannery S und Site, Pownal, VT
Soil Cover Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	75-71-8	Dichlorodifluoromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	74-87-3	Chloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	75-01-4	Vinyl chloride	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	74-83-9	Bromomethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	75-00-3	Chloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	75-69-4	Trichlorofluoromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	79-20-9	Methyl acetate	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	67-64-1	Acetone	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	75-15-0	Carbon disulfide	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	75-09-2	Methylene chloride	1.8	J	ug/Kg	5.0	100	1	8260	I	ICAL out; Result uncertain below the calibration range
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	156-59-2	cis-1,2-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	110-82-7	Cyclohexane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	67-66-3	Chloroform	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	71-43-2	Benzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	79-01-6	Trichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	78-87-5	1,2-Dichloropropane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	75-27-4	Bromodichloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	10061-01-5	cis-1,3-Dichloropropene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	108-88-3	Toluene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	108-87-2	Methylcyclohexane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	10061-02-6	trans-1,3-Dichloropropene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	79-00-5	1,1,2-Trichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	127-18-4	Tetrachloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	591-78-6	2-Hexanone	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	124-48-1	Dibromochloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	106-93-4	1,2-Dibromoethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	108-90-7	Chlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	100-41-4	Ethylbenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	1330-20-7	Xylenes, Total	6.0	U	ug/Kg	6.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	100-42-5	Styrene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	75-25-2	Bromoform	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	98-82-8	Isopropylbenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	ug/Kg	5.0	100	1	8260		
TB-072804-01	0407142-06	SO	07/28/2004		08/09/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	75-71-8	Dichlorodifluoromethane	1.5	U	ug/Kg	1.5	84.5	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	74-87-3	Chloromethane	1.5	U	ug/Kg	1.5	84.5	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	75-01-4	Vinyl chloride	1.5	U	ug/Kg	1.5	84.5	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	74-83-9	Bromomethane	1.5	U	ug/Kg	1.5	84.5	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	75-00-3	Chloroethane	1.5	U	ug/Kg	1.5	84.5	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	75-69-4	Trichlorofluoromethane	1.5	U	ug/Kg	1.5	84.5	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.5	U	ug/Kg	1.5	84.5	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	75-35-4	1,1-Dichloroethene	1.5	U	ug/Kg	1.5	84.5	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	79-20-9	Methyl acetate	1.5	U	ug/Kg	1.5	84.5	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	67-64-1	Acetone	17		ug/Kg	1.5	84.5	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	75-15-0	Carbon disulfide	1.5	U	ug/Kg	1.5	84.5	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	75-09-2	Methylene chloride	3.8	UJ	ug/Kg	3.8	84.5	1	8260	I	Blank Action; ICAL out

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-041	0407142-07	SO	07/30/2004		08/09/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	156-60-5	trans-1,2-Dichloroethene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	75-34-3	1,1-Dichloroethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	156-59-2	cis-1,2-Dichloroethene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	78-93-3	2-Butanone (MEK)	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	110-82-7	Cyclohexane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	67-66-3	Chloroform	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	71-55-6	1,1,1-Trichloroethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	56-23-5	Carbon tetrachloride	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	71-43-2	Benzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	107-06-2	1,2-Dichloroethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	79-01-6	Trichloroethene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	78-87-5	1,2-Dichloropropane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	75-27-4	Bromodichloromethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	10061-01-5	cis-1,3-Dichloropropene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	108-88-3	Toluene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	108-87-2	Methylcyclohexane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	10061-02-6	trans-1,3-Dichloropropene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	79-00-5	1,1,2-Trichloroethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	127-18-4	Tetrachloroethene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	591-78-6	2-Hexanone	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	124-48-1	Dibromochloromethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	106-93-4	1,2-Dibromoethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	108-90-7	Chlorobenzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	100-41-4	Ethylbenzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	1330-20-7	Xylenes, Total	4.6	U	ug/Kg	4.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	100-42-5	Styrene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	75-25-2	Bromoform	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	98-82-8	Isopropylbenzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	79-34-5	1,1,2,2-Tetrachloroethane	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	541-73-1	1,3-Dichlorobenzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	106-46-7	1,4-Dichlorobenzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	95-50-1	1,2-Dichlorobenzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	96-12-8	1,2-Dibromo-3-chloropropane	3.8	U	ug/Kg	3.8	84.6	1	8260		
SC-041	0407142-07	SO	07/30/2004		08/09/2004	120-82-1	1,2,4-Trichlorobenzene	1.6	U	ug/Kg	1.6	84.6	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	75-71-8	Dichlorodifluoromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	74-87-3	Chloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	75-01-4	Vinyl chloride	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	74-83-9	Bromomethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	75-00-3	Chloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	75-69-4	Trichlorofluoromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	79-20-9	Methyl acetate	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	67-64-1	Acetone	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	75-15-0	Carbon disulfide	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	75-09-2	Methylene chloride	2.3	J	ug/Kg	5.0	100	1	8260	I	ICAL out; Result uncertain below the calibration range
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	156-59-2	cis-1,2-Dichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	110-82-7	Cyclohexane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	67-66-3	Chloroform	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	71-43-2	Benzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	79-01-6	Trichloroethene	2.0	U	ug/Kg	2.0	100	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	78-87-5	1,2-Dichloropropane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	75-27-4	Bromodichloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	10061-01-5	cis-1,3-Dichloropropene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	108-88-3	Toluene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	108-87-2	Methylcyclohexane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	10061-02-6	trans-1,3-Dichloropropene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	79-00-5	1,1,2-Trichloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	127-18-4	Tetrachloroethene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	591-78-6	2-Hexanone	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	124-48-1	Dibromochloromethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	106-93-4	1,2-Dibromoethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	108-90-7	Chlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	100-41-4	Ethylbenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	1330-20-7	Xylenes, Total	6.0	U	ug/Kg	6.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	100-42-5	Styrene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	75-25-2	Bromoform	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	98-82-8	Isopropylbenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	ug/Kg	5.0	100	1	8260		
TB-073004-01	0407142-08	SO	07/30/2004		08/09/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/Kg	2.0	100	1	8260		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	100-52-7	Benzaldehyde	240	UJ	ug/Kg	240	80.9	4	8270	I	ICAL out
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	108-95-2	Phenol	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	95-57-8	2-Chlorophenol	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	111-44-4	bis(2-Chloroethyl)ether	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	95-48-7	2-Methylphenol	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	108-60-1	bis(2-chloroisopropyl)ether	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	98-86-2	Acetophenone	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	106-44-5	4-Methylphenol	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	67-72-1	Hexachloroethane	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	98-95-3	Nitrobenzene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	78-59-1	Isophorone	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	88-75-5	2-Nitrophenol	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	105-67-9	2,4-Dimethylphenol	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	111-91-1	bis(2-Chloroethoxy)methane	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	120-83-2	2,4-Dichlorophenol	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	91-20-3	Naphthalene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	106-47-8	4-Chloroaniline	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	87-68-3	Hexachlorobutadiene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	105-60-2	Caprolactam	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	59-50-7	4-Chloro-3-methylphenol	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	91-57-6	2-Methylnaphthalene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	77-47-4	Hexachlorocyclopentadiene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	88-06-2	2,4,6-Trichlorophenol	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	95-95-4	2,4,5-Trichlorophenol	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	92-52-4	Biphenyl	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	91-58-7	2-Chloronaphthalene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	88-74-4	2-Nitroaniline	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	131-11-3	Dimethylphthalate	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	606-20-2	2,6-Dinitrotoluene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	208-96-8	Acenaphthylene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	99-09-2	3-Nitroaniline	240	UJ	ug/Kg	240	80.9	4	8270	I	ICAL out; Low Calibration Verification
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	83-32-9	Acenaphthene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	51-28-5	2,4-Dinitrophenol	480	UJ	ug/Kg	480	80.9	4	8270	I	Low LCS Recovery; ICAL out
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	100-02-7	4-Nitrophenol	240	UJ	ug/Kg	240	80.9	4	8270	I	ICAL out
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	132-64-9	Dibenzofuran	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	121-14-2	2,4-Dinitrotoluene	240	U	ug/Kg	240	80.9	4	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	84-66-2	Diethylphthalate	240	U	ug/Kg	240	80.9	4	8270		Blank Action
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	86-73-7	Fluorene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	7005-72-3	4-Chlorophenyl-phenylether	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	100-01-6	4-Nitroaniline	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	534-52-1	4,6-Dinitro-2-methylphenol	240	UJ	ug/Kg	240	80.9	4	8270	I	ICAL out
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	86-30-6	n-Nitrosodiphenylamine	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	101-55-3	4-Bromophenyl-phenylether	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	118-74-1	Hexachlorobenzene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	1912-24-9	Atrazine	240	UJ	ug/Kg	240	80.9	4	8270	I	ICAL out
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	87-86-5	Pentachlorophenol	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	85-01-8	Phenanthrene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	120-12-7	Anthracene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	86-74-8	Carbazole	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	84-74-2	Di-n-butylphthalate	240	U	ug/Kg	240	80.9	4	8270		Blank Action
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	206-44-0	Fluoranthene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	129-00-0	Pyrene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	85-68-7	Butylbenzylphthalate	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	91-94-1	3,3'-Dichlorobenzidine	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	56-55-3	Benz(a)anthracene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	218-01-9	Chrysene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	117-81-7	bis(2-Ethylhexyl)phthalate	240	U	ug/Kg	240	80.9	4	8270		Blank Action
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	117-84-0	Di-n-octylphthalate	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	205-99-2	Benzo[b]fluoranthene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	207-08-9	Benzo[k]fluoranthene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	193-39-5	Indeno[1,2,3-cd]pyrene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	53-70-3	Dibenz(a,h)anthracene	240	U	ug/Kg	240	80.9	4	8270		
SC-038	0407142-01	SO	07/28/2004	08/02/2004	08/11/2004	191-24-2	Benzo(g,h,i)perylene	240	U	ug/Kg	240	80.9	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	100-52-7	Benzaldehyde	240	UJ	ug/Kg	240	83.5	4	8270	I	ICAL out
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	108-95-2	Phenol	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	95-57-8	2-Chlorophenol	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	111-44-4	bis(2-Chloroethyl)ether	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	95-48-7	2-Methylphenol	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	108-60-1	bis(2-chloroisopropyl)ether	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	98-86-2	Acetophenone	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	106-44-5	4-Methylphenol	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	67-72-1	Hexachloroethane	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	98-95-3	Nitrobenzene	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	78-59-1	Isophorone	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	88-75-5	2-Nitrophenol	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	105-67-9	2,4-Dimethylphenol	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	111-91-1	bis(2-Chloroethoxy)methane	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	120-83-2	2,4-Dichlorophenol	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	91-20-3	Naphthalene	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	106-47-8	4-Chloroaniline	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	87-68-3	Hexachlorobutadiene	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	105-60-2	Caprolactam	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	59-50-7	4-Chloro-3-methylphenol	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	91-57-6	2-Methylnaphthalene	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	77-47-4	Hexachlorocyclopentadiene	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	88-06-2	2,4,6-Trichlorophenol	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	95-95-4	2,4,5-Trichlorophenol	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	92-52-4	Biphenyl	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	91-58-7	2-Chloronaphthalene	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	88-74-4	2-Nitroaniline	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	131-11-3	Dimethylphthalate	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	606-20-2	2,6-Dinitrotoluene	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	208-96-8	Acenaphthylene	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	99-09-2	3-Nitroaniline	240	UJ	ug/Kg	240	83.5	4	8270	L	ICAL out; Low Calibration Verification
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	83-32-9	Acenaphthene	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	51-28-5	2,4-Dinitrophenol	470	UJ	ug/Kg	470	83.5	4	8270	L	Low LCS Recovery; ICAL out

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	100-02-7	4-Nitrophenol	240	UJ	ug/Kg	240	83.5	4	8270	I	ICAL out
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	132-64-9	Dibenzofuran	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	121-14-2	2,4-Dinitrotoluene	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	84-66-2	Diethylphthalate	240	U	ug/Kg	240	83.5	4	8270		Blank Action
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	86-73-7	Fluorene	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	7005-72-3	4-Chlorophenyl-phenylether	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	100-01-6	4-Nitroaniline	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	534-52-1	4,6-Dinitro-2-methylphenol	240	UJ	ug/Kg	240	83.5	4	8270	I	ICAL out
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	86-30-6	n-Nitrosodiphenylamine	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	101-55-3	4-Bromophenyl-phenylether	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	118-74-1	Hexachlorobenzene	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	1912-24-9	Atrazine	240	UJ	ug/Kg	240	83.5	4	8270	I	ICAL out
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	87-86-5	Pentachlorophenol	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	85-01-8	Phenanthrene	190	J	ug/Kg	240	83.5	4	8270	I	Result uncertain below the calibration range
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	120-12-7	Anthracene	57	J	ug/Kg	240	83.5	4	8270	I	Result uncertain below the calibration range
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	86-74-8	Carbazole	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	84-74-2	Di-n-butylphthalate	240	U	ug/Kg	240	83.5	4	8270		Blank Action
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	206-44-0	Fluoranthene	260		ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	129-00-0	Pyrene	240		ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	85-68-7	Butylbenzylphthalate	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	91-94-1	3,3'-Dichlorobenzidine	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	56-55-3	Benz[a]anthracene	140	J	ug/Kg	240	83.5	4	8270	I	Result uncertain below the calibration range
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	218-01-9	Chrysene	150	J	ug/Kg	240	83.5	4	8270	I	Result uncertain below the calibration range
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	117-81-7	bis(2-Ethylhexyl)phthalate	240	U	ug/Kg	240	83.5	4	8270		Blank Action
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	117-84-0	Di-n-octylphthalate	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	205-99-2	Benzo[b]fluoranthene	80	J	ug/Kg	240	83.5	4	8270	I	Result uncertain below the calibration range
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	207-08-9	Benzo[k]fluoranthene	89	J	ug/Kg	240	83.5	4	8270	I	Result uncertain below the calibration range
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	193-39-5	Indeno[1,2,3-cd]pyrene	61	J	ug/Kg	240	83.5	4	8270	I	Result uncertain below the calibration range
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	53-70-3	Dibenz[a,h]anthracene	240	U	ug/Kg	240	83.5	4	8270		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/11/2004	191-24-2	Benzo[g,h,i]perylene	71	J	ug/Kg	240	83.5	4	8270	I	Result uncertain below the calibration range
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	100-52-7	Benzaldehyde	230	UJ	ug/Kg	230	83.6	4	8270	I	ICAL out
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	108-95-2	Phenol	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	95-57-8	2-Chlorophenol	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	111-44-4	bis(2-Chloroethyl)ether	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	95-48-7	2-Methylphenol	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	108-60-1	bis(2-chloroisopropyl)ether	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	98-86-2	Acetophenone	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	106-44-5	4-Methylphenol	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	67-72-1	Hexachloroethane	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	98-95-3	Nitrobenzene	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	78-59-1	Isophorone	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	88-75-5	2-Nitrophenol	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	105-67-9	2,4-Dimethylphenol	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	111-91-1	bis(2-Chloroethoxy)methane	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	120-83-2	2,4-Dichlorophenol	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	91-20-3	Naphthalene	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	106-47-8	4-Chloroaniline	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	87-68-3	Hexachlorobutadiene	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	105-60-2	Caprolactam	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	59-50-7	4-Chloro-3-methylphenol	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	91-57-6	2-Methylnaphthalene	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	77-47-4	Hexachlorocyclopentadiene	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	88-06-2	2,4,6-Trichlorophenol	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	95-95-4	2,4,5-Trichlorophenol	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	92-52-4	Biphenyl	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	91-58-7	2-Chloronaphthalene	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	88-74-4	2-Nitroaniline	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	131-11-3	Dimethylphthalate	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	606-20-2	2,6-Dinitrotoluene	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	208-96-8	Acenaphthylene	230	U	ug/Kg	230	83.6	4	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnaMeth	Bias	DV_Comment
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	99-09-2	3-Nitroaniline	230	UJ	ug/Kg	230	83.6	4	8270	I	ICAL out; Low Calibration Verification
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	83-32-9	Acenaphthene	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	51-28-5	2,4-Dinitrophenol	460	UJ	ug/Kg	460	83.6	4	8270	I	Low LCS Recovery; ICAL out
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	100-02-7	4-Nitrophenol	230	UJ	ug/Kg	230	83.6	4	8270	I	ICAL out
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	132-64-9	Dibenzofuran	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	121-14-2	2,4-Dinitrotoluene	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	84-66-2	Diethylphthalate	230	U	ug/Kg	230	83.6	4	8270		Blank Action
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	86-73-7	Fluorene	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	7005-72-3	4-Chlorophenyl-phenylether	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	100-01-6	4-Nitroaniline	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	534-52-1	4,6-Dinitro-2-methylphenol	230	UJ	ug/Kg	230	83.6	4	8270	I	ICAL out
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	86-30-6	n-Nitrosodiphenylamine	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	101-55-3	4-Bromophenyl-phenylether	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	118-74-1	Hexachlorobenzene	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	1912-24-9	Atrazine	230	UJ	ug/Kg	230	83.6	4	8270	I	ICAL out
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	87-86-5	Pentachlorophenol	230	UJ	ug/Kg	230	83.6	4	8270	I	MS/MSD imprecision
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	85-01-8	Phenanthrene	88	J	ug/Kg	230	83.6	4	8270	I	Result uncertain below the calibration range
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	120-12-7	Anthracene	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	86-74-8	Carbazole	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	84-74-2	Di-n-butylphthalate	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	206-44-0	Fluoranthene	160	J	ug/Kg	230	83.6	4	8270	I	Result uncertain below the calibration range
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	129-00-0	Pyrene	160	J	ug/Kg	230	83.6	4	8270	I	Result uncertain below the calibration range
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	85-68-7	Butylbenzylphthalate	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	91-94-1	3,3'-Dichlorobenzidine	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	56-55-3	Benz[a]anthracene	88	J	ug/Kg	230	83.6	4	8270	I	Result uncertain below the calibration range
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	218-01-9	Chrysene	88	J	ug/Kg	230	83.6	4	8270	I	Result uncertain below the calibration range
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	117-81-7	bis(2-Ethylhexyl)phthalate	230	U	ug/Kg	230	83.6	4	8270		Blank Action
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	117-84-0	Di-n-octylphthalate	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	205-99-2	Benzo[b]fluoranthene	56	J	ug/Kg	230	83.6	4	8270	I	Result uncertain below the calibration range
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	207-08-9	Benzo[k]fluoranthene	68	J	ug/Kg	230	83.6	4	8270	I	Result uncertain below the calibration range
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	193-39-5	Indeno[1,2,3-cd]pyrene	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	53-70-3	Dibenz[a,h]anthracene	230	U	ug/Kg	230	83.6	4	8270		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/11/2004	191-24-2	Benzo[g,h,i]perylene	230	U	ug/Kg	230	83.6	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	100-52-7	Benzaldehyde	230	UJ	ug/Kg	230	84.5	4	8270	I	ICAL out
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	108-95-2	Phenol	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	95-57-8	2-Chlorophenol	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	111-44-4	bis(2-Chloroethyl)ether	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	95-48-7	2-Methylphenol	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	108-60-1	bis(2-chloroisopropyl)ether	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	98-86-2	Acetophenone	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	106-44-5	4-Methylphenol	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	67-72-1	Hexachloroethane	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	98-95-3	Nitrobenzene	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	78-59-1	Isophorone	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	88-75-5	2-Nitrophenol	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	105-67-9	2,4-Dimethylphenol	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	111-91-1	bis(2-Chloroethoxy)methane	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	120-83-2	2,4-Dichlorophenol	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	91-20-3	Naphthalene	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	106-47-8	4-Chloroaniline	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	87-68-3	Hexachlorobutadiene	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	105-60-2	Caprolactam	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	59-50-7	4-Chloro-3-methylphenol	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	91-57-6	2-Methylnaphthalene	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	77-47-4	Hexachlorocyclopentadiene	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	88-06-2	2,4,6-Trichlorophenol	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	95-95-4	2,4,5-Trichlorophenol	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	92-52-4	Biphenyl	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	91-58-7	2-Chloronaphthalene	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	88-74-4	2-Nitroaniline	230	U	ug/Kg	230	84.5	4	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnaMeth	Bias	DV_Comment
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	131-11-3	Dimethylphthalate	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	606-20-2	2,6-Dinitrotoluene	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	208-96-8	Acenaphthylene	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	99-09-2	3-Nitroaniline	230	UJ	ug/Kg	230	84.5	4	8270	I	ICAL out; Low Calibration Verification
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	83-32-9	Acenaphthene	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	51-28-5	2,4-Dinitrophenol	450	UJ	ug/Kg	450	84.5	4	8270	I	Low LCS Recovery; ICAL out
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	100-02-7	4-Nitrophenol	230	UJ	ug/Kg	230	84.5	4	8270	I	ICAL out
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	132-64-9	Dibenzofuran	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	121-14-2	2,4-Dinitrotoluene	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	84-66-2	Diethylphthalate	230	U	ug/Kg	230	84.5	4	8270		Blank Action
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	86-73-7	Fluorene	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	7005-72-3	4-Chlorophenyl-phenylether	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	100-01-6	4-Nitroaniline	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	534-52-1	4,6-Dinitro-2-methylphenol	230	UJ	ug/Kg	230	84.5	4	8270	I	ICAL out
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	86-30-6	n-Nitrosodiphenylamine	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	101-55-3	4-Bromophenyl-phenylether	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	118-74-1	Hexachlorobenzene	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	1912-24-9	Atrazine	230	UJ	ug/Kg	230	84.5	4	8270	I	ICAL out
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	87-86-5	Pentachlorophenol	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	85-01-8	Phenanthrene	59	J	ug/Kg	230	84.5	4	8270	I	Result uncertain below the calibration range
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	120-12-7	Anthracene	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	86-74-8	Carbazole	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	84-74-2	Di-n-butylphthalate	230	U	ug/Kg	230	84.5	4	8270		Blank Action
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	206-44-0	Fluoranthene	170	J	ug/Kg	230	84.5	4	8270	I	Result uncertain below the calibration range
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	129-00-0	Pyrene	160	J	ug/Kg	230	84.5	4	8270	I	Result uncertain below the calibration range
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	85-68-7	Butylbenzylphthalate	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	91-94-1	3,3'-Dichlorobenzidine	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	56-55-3	Benz(a)anthracene	95	J	ug/Kg	230	84.5	4	8270	I	Result uncertain below the calibration range
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	218-01-9	Chrysene	95	J	ug/Kg	230	84.5	4	8270	I	Result uncertain below the calibration range
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	117-81-7	bis(2-Ethylhexyl)phthalate	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	117-84-0	Di-n-octylphthalate	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	205-99-2	Benzo(b)fluoranthene	54	J	ug/Kg	230	84.5	4	8270	I	Result uncertain below the calibration range
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	207-08-9	Benzo(k)fluoranthene	65	J	ug/Kg	230	84.5	4	8270	I	Result uncertain below the calibration range
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	193-39-5	Indeno[1,2,3-cd]pyrene	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	53-70-3	Dibenz(a,h)anthracene	230	U	ug/Kg	230	84.5	4	8270		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/11/2004	191-24-2	Benzo(g,h,i)perylene	230	U	ug/Kg	230	84.5	4	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	100-52-7	Benzaldehyde	0.62	UJ	ug/L	0.62		1	8270	I	ICAL out
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	108-95-2	Phenol	0.11	J	ug/L	0.62		1	8270	I	Result uncertain below the calibration range
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	95-57-8	2-Chlorophenol	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	111-44-4	bis(2-Chloroethyl)ether	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	95-48-7	2-Methylphenol	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	108-60-1	bis(2-chloroisopropyl)ether	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	98-86-2	Acetophenone	0.62	U	ug/L	0.62		1	8270		Blank Action
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	106-44-5	4-Methylphenol	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	67-72-1	Hexachloroethane	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	98-95-3	Nitrobenzene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	78-59-1	Isophorone	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	88-75-5	2-Nitrophenol	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	105-67-9	2,4-Dimethylphenol	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	111-91-1	bis(2-Chloroethoxy)methane	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	120-83-2	2,4-Dichlorophenol	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	91-20-3	Naphthalene	0.42	J	ug/L	0.62		1	8270	I	Result uncertain below the calibration range
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	106-47-8	4-Chloroaniline	0.62	U	ug/L	0.52		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	87-68-3	Hexachlorobutadiene	0.52	U	ug/L	0.52		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	105-60-2	Caprolactam	0.33	J	ug/L	0.52		1	8270	I	Result uncertain below the calibration range; Low LCS Recovery and LCS/LCSD imprecision
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	59-50-7	4-Chloro-3-methylphenol	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	91-57-6	2-Methylnaphthalene	0.62	U	ug/L	0.52		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	77-47-4	Hexachlorocyclopentadiene	0.52	U	ug/L	0.52		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	88-06-2	2,4,6-Trichlorophenol	0.62	U	ug/L	0.52		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	95-95-4	2,4,5-Trichlorophenol	0.52	U	ug/L	0.52		1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	92-52-4	Biphenyl	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	91-58-7	2-Chloronaphthalene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	88-74-4	2-Nitroaniline	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	131-11-3	Dimethylphthalate	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	606-20-2	2,6-Dinitrotoluene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	208-96-8	Acenaphthylene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	99-09-2	3-Nitroaniline	0.62	UJ	ug/L	0.62		1	8270	I	ICAL out; Low Calibration Verification
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	83-32-9	Acenaphthene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	51-28-5	2,4-Dinitrophenol	1.0	U	ug/L	1.0		1	8270	I	ICAL out
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	100-02-7	4-Nitrophenol	0.62	UJ	ug/L	0.62		1	8270	I	ICAL out
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	132-64-9	Dibenzofuran	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	121-14-2	2,4-Dinitrotoluene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	84-66-2	Diethylphthalate	0.11	J	ug/L	0.62		1	8270	I	Result uncertain below the calibration range
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	86-73-7	Fluorene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	7005-72-3	4-Chlorophenyl-phenylether	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	100-01-6	4-Nitroaniline	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	534-52-1	4,6-Dinitro-2-methylphenol	0.62	UJ	ug/L	0.62		1	8270	I	ICAL out
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	86-30-6	n-Nitrosodiphenylamine	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	101-55-3	4-Bromophenyl-phenylether	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	118-74-1	Hexachlorobenzene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	1912-24-9	Atrazine	0.62	UJ	ug/L	0.62		1	8270	I	ICAL out
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	87-86-5	Pentachlorophenol	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	85-01-8	Phenanthrene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	120-12-7	Anthracene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	86-74-8	Carbazole	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	84-74-2	Di-n-butylphthalate	0.52	U	ug/L	0.62		1	8270		Blank Action
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	206-44-0	Fluoranthene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	129-00-0	Pyrene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	85-68-7	Butylbenzylphthalate	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	91-94-1	3,3'-Dichlorobenzidine	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	56-55-3	Benz[a]anthracene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	218-01-9	Chrysene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.56	U	ug/L	0.62		1	8270		Blank Action
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	117-84-0	Di-n-octylphthalate	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	205-99-2	Benzo[b]fluoranthene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	207-08-9	Benzo[k]fluoranthene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	53-70-3	Dibenz[a,h]anthracene	0.62	U	ug/L	0.62		1	8270		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/11/2004	191-24-2	Benzo[g,h,i]perylene	0.62	U	ug/L	0.62		1	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	100-52-7	Benzaldehyde	230	UJ	ug/Kg	230	84.5	4	8270	I	ICAL out
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	108-95-2	Phenol	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	95-57-8	2-Chlorophenol	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	111-44-4	bis(2-Chloroethyl)ether	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	95-48-7	2-Methylphenol	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	108-60-1	bis(2-chloroisopropyl)ether	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	98-86-2	Acetophenone	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	106-44-5	4-Methylphenol	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	67-72-1	Hexachloroethane	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	98-95-3	Nitrobenzene	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	78-59-1	Isophorone	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	88-75-5	2-Nitrophenol	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	105-67-9	2,4-Dimethylphenol	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	111-91-1	bis(2-Chloroethoxy)methane	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	120-83-2	2,4-Dichlorophenol	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	91-20-3	Naphthalene	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	106-47-8	4-Chloroaniline	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	87-68-3	Hexachlorobutadiene	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	105-60-2	Caprolactam	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	59-50-7	4-Chloro-3-methylphenol	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	91-57-6	2-Methylnaphthalene	230	U	ug/Kg	230	84.5	4	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	77-47-4	Hexachlorocyclopentadiene	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	88-06-2	2,4,6-Trichlorophenol	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	95-95-4	2,4,5-Trichlorophenol	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	92-52-4	Biphenyl	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	91-58-7	2-Chloronaphthalene	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	88-74-4	2-Nitroaniline	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	131-11-3	Dimethylphthalate	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	606-20-2	2,6-Dinitrotoluene	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	208-96-8	Acenaphthylene	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	99-09-2	3-Nitroaniline	230	UJ	ug/Kg	230	84.5	4	8270	I	ICAL out; Low Calibration Verification
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	83-32-9	Acenaphthene	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	51-28-5	2,4-Dinitrophenol	450	UJ	ug/Kg	450	84.5	4	8270	I	Low LCS Recovery; ICAL out
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	100-02-7	4-Nitrophenol	230	UJ	ug/Kg	230	84.5	4	8270	I	ICAL out
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	132-64-9	Dibenzofuran	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	121-14-2	2,4-Dinitrotoluene	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	84-66-2	Diethylphthalate	230	U	ug/Kg	230	84.5	4	8270		Blank Action
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	86-73-7	Fluorene	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	7005-72-3	4-Chlorophenyl-phenylether	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	100-01-6	4-Nitroaniline	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	534-52-1	4,6-Dinitro-2-methylphenol	230	UJ	ug/Kg	230	84.5	4	8270	I	ICAL out
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	86-30-6	n-Nitrosodiphenylamine	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	101-55-3	4-Bromophenyl-phenylether	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	118-74-1	Hexachlorobenzene	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	1912-24-9	Atrazine	230	UJ	ug/Kg	230	84.5	4	8270	I	ICAL out
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	87-86-5	Pentachlorophenol	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	85-01-8	Phenanthrene	280		ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	120-12-7	Anthracene	88	J	ug/Kg	230	84.5	4	8270	I	Result uncertain below the calibration range
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	86-74-8	Carbazole	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	84-74-2	Di-n-butylphthalate	230	U	ug/Kg	230	84.5	4	8270		Blank Action
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	206-44-0	Fluoranthene	430		ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	129-00-0	Pyrene	410		ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	85-68-7	Butylbenzylphthalate	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	91-94-1	3,3'-Dichlorobenzidine	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	56-55-3	Benz[a]anthracene	240		ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	218-01-9	Chrysene	260		ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	117-81-7	bis(2-Ethylhexyl)phthalate	230	U	ug/Kg	230	84.5	4	8270		Blank Action
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	117-84-0	Di-n-octylphthalate	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	205-99-2	Benzo[b]fluoranthene	150	J	ug/Kg	230	84.5	4	8270	I	Result uncertain below the calibration range
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	207-08-9	Benzo[k]fluoranthene	170	J	ug/Kg	230	84.5	4	8270	I	Result uncertain below the calibration range
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	193-39-5	Indeno[1,2,3-cd]pyrene	95	J	ug/Kg	230	84.5	4	8270	I	Result uncertain below the calibration range
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	53-70-3	Dibenz[a,h]anthracene	230	U	ug/Kg	230	84.5	4	8270		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/11/2004	191-24-2	Benzo[g,h,i]perylene	110	J	ug/Kg	230	84.5	4	8270	I	Result uncertain below the calibration range
SC-039	0407142-01	SO	07/28/2004	08/02/2004	08/12/2004	621-64-7	n-Nitroso-di-n-propylamine	24	U	ug/Kg	24	80.9	4	PAH SIM		
SC-039	0407142-01	SO	07/28/2004	08/02/2004	08/12/2004	50-32-8	Benzo[a]pyrene	24	U	ug/Kg	24	80.9	4	PAH SIM		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/12/2004	621-64-7	n-Nitroso-di-n-propylamine	24	U	ug/Kg	24	83.6	4	PAH SIM		
SC-039	0407142-02	SO	07/28/2004	08/02/2004	08/12/2004	50-32-8	Benzo[a]pyrene	98		ug/Kg	24	83.6	4	PAH SIM		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/12/2004	621-64-7	n-Nitroso-di-n-propylamine	23	U	ug/Kg	23	83.8	4	PAH SIM		
SC-040	0407142-03	SO	07/28/2004	08/02/2004	08/12/2004	50-32-8	Benzo[a]pyrene	83		ug/Kg	23	83.8	4	PAH SIM		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/12/2004	621-64-7	n-Nitroso-di-n-propylamine	23	U	ug/Kg	23	84.5	4	PAH SIM		
SCE-040	0407142-04	SO	07/28/2004	08/02/2004	08/12/2004	50-32-8	Benzo[a]pyrene	81		ug/Kg	23	84.5	4	PAH SIM		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/12/2004	621-64-7	n-Nitroso-di-n-propylamine	52	U	ng/L	52		1	PAH SIM		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/12/2004	50-32-8	Benzo[a]pyrene	52	U	ng/L	52		1	PAH SIM		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/12/2004	621-64-7	n-Nitroso-di-n-propylamine	23	U	ug/Kg	23	84.5	4	PAH SIM		
SC-041	0407142-07	SO	07/30/2004	08/02/2004	08/12/2004	50-32-8	Benzo[a]pyrene	180		ug/Kg	23	84.5	4	PAH SIM		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	51207-31-9	2,3,7,8-TCDF	0.32	J	ng/Kg	0.19	0.79	1	SW-8290	I	Result uncertain below the calibration range
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	1746-01-6	2,3,7,8-TCDD	1		ng/Kg	0.19	0.79	1	SW-8290		
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	57117-41-6	1,2,3,7,8-PeCDF	0.93	UJ	ng/Kg	0.93	0.79	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	57117-31-4	2,3,4,7,8-PeCDF	0.97	J	ng/Kg	0.93	0.79	1	SW-8290	I	Result uncertain below the calibration range
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	40321-76-4	1,2,3,7,8-PeCDD	7.4		ng/Kg	0.93	0.79	1	SW-8290		
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	70648-26-9	1,2,3,4,7,8-HxCDF	3.1	J	ng/Kg	0.93	0.79	1	SW-8290	I	Result uncertain below the calibration range
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	57117-44-9	1,2,3,6,7,8-HxCDF	10		ng/Kg	0.93	0.79	1	SW-8290		
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	60851-34-5	2,3,4,6,7,8-HxCDF	5.1		ng/Kg	0.93	0.79	1	SW-8290		
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.97	J	ng/Kg	0.93	0.79	1	SW-8290	I	Result uncertain below the calibration range
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	39227-28-6	1,2,3,4,7,8-HxCDD	9.2		ng/Kg	0.93	0.79	1	SW-8290		
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	57653-85-7	1,2,3,6,7,8-HxCDD	60		ng/Kg	0.93	0.79	1	SW-8290		
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	19408-74-3	1,2,3,7,8,9-HxCDD	27		ng/Kg	0.93	0.79	1	SW-8290		
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	78		ng/Kg	0.93	0.79	1	SW-8290		
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	5.6		ng/Kg	0.93	0.79	1	SW-8290		
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	970		ng/Kg	0.93	0.79	1	SW-8290		
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	39001-02-0	OCDF	310		ng/Kg	1.9	0.79	1	SW-8290		
SC-038	105897045	SO	7/28/2004	8/14/2004	8/20/2004	3268-87-9	OCDD	11000		ng/Kg	1.9	0.79	1	SW-8290		
SC-038	105897045	SO	7/28/2004	8/14/2004			TEQ using 89-ITE-Factors	39		ng/Kg		0.79		SW-8290		
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	51207-31-9	2,3,7,8-TCDF	0.56	J	ng/Kg	0.18	0.83	1	SW-8290	I	Result uncertain below the calibration range
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	1746-01-6	2,3,7,8-TCDD	1.6		ng/Kg	0.18	0.83	1	SW-8290		
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	57117-41-6	1,2,3,7,8-PeCDF	0.92	UJ	ng/Kg	0.92	0.83	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	57117-31-4	2,3,4,7,8-PeCDF	0.92	UJ	ng/Kg	0.92	0.83	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	40321-76-4	1,2,3,7,8-PeCDD	6		ng/Kg	0.92	0.83	1	SW-8290		
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	70648-26-9	1,2,3,4,7,8-HxCDF	2.3	J	ng/Kg	0.92	0.83	1	SW-8290	I	Result uncertain below the calibration range
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	57117-44-9	1,2,3,6,7,8-HxCDF	9.8		ng/Kg	0.92	0.83	1	SW-8290		
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	60851-34-5	2,3,4,6,7,8-HxCDF	3.5	J	ng/Kg	0.92	0.83	1	SW-8290	I	Result uncertain below the calibration range
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.92	UJ	ng/Kg	0.92	0.83	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	39227-28-6	1,2,3,4,7,8-HxCDD	6.2		ng/Kg	0.92	0.83	1	SW-8290		
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	57653-85-7	1,2,3,6,7,8-HxCDD	41		ng/Kg	0.92	0.83	1	SW-8290		
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	19408-74-3	1,2,3,7,8,9-HxCDD	16		ng/Kg	0.92	0.83	1	SW-8290		
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	60		ng/Kg	0.92	0.83	1	SW-8290		
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	3.8	J	ng/Kg	0.92	0.83	1	SW-8290	I	Result uncertain below the calibration range
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	610		ng/Kg	0.92	0.83	1	SW-8290		
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	39001-02-0	OCDF	190		ng/Kg	1.8	0.83	1	SW-8290		
SC-039	105897052	SO	7/28/2004	8/14/2004	8/20/2004	3268-87-9	OCDD	7100		ng/Kg	1.8	0.83	1	SW-8290		
SC-039	105897052	SO	7/28/2004	8/14/2004			TEQ using 89-ITE-Factors	26		ng/Kg		0.83		SW-8290		
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	51207-31-9	2,3,7,8-TCDF	0.41	J	ng/Kg	0.2	0.84	1	SW-8290	I	Result uncertain below the calibration range
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	1746-01-6	2,3,7,8-TCDD	0.61	J	ng/Kg	0.21	0.84	1	SW-8290	I	MD & FD imprecision; Result uncertain below the calibration range; RL = Estimated Detection Limit (EDL)
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	57117-41-6	1,2,3,7,8-PeCDF	1	UJ	ng/Kg	1	0.84	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	57117-31-4	2,3,4,7,8-PeCDF	1	UJ	ng/Kg	1	0.84	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	40321-76-4	1,2,3,7,8-PeCDD	3.4	J	ng/Kg	1	0.84	1	SW-8290	I	MD & FD imprecision; Result uncertain below the calibration range
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	70648-26-9	1,2,3,4,7,8-HxCDF	1.5	J	ng/Kg	1	0.84	1	SW-8290	I	MD imprecision; Result uncertain below the calibration range
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	57117-44-9	1,2,3,6,7,8-HxCDF	4.2	J	ng/Kg	1	0.84	1	SW-8290	I	MD imprecision; Result uncertain below the calibration range
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	60851-34-5	2,3,4,6,7,8-HxCDF	2.2	J	ng/Kg	1	0.84	1	SW-8290	I	FD imprecision; Result uncertain below the calibration range
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1	UJ	ng/Kg	1	0.84	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	39227-28-6	1,2,3,4,7,8-HxCDD	3.2	J	ng/Kg	1	0.84	1	SW-8290	I	Result uncertain below the calibration range
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	57653-85-7	1,2,3,6,7,8-HxCDD	24	J	ng/Kg	1	0.84	1	SW-8290	I	MD imprecision
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	19408-74-3	1,2,3,7,8,9-HxCDD	10		ng/Kg	1	0.84	1	SW-8290		
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	62	J	ng/Kg	1	0.84	1	SW-8290	I	MD & FD imprecision
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	2.1	J	ng/Kg	1	0.84	1	SW-8290	I	MD imprecision; Result uncertain below the calibration range
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	390	J	ng/Kg	1	0.84	1	SW-8290	I	MD imprecision
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	39001-02-0	OCDF	120	J	ng/Kg	2	0.84	1	SW-8290	I	MD imprecision
SC-040	105897060	SO	7/28/2004	8/14/2004	8/20/2004	3268-87-9	OCDD	4800	J	ng/Kg	2	0.84	1	SW-8290	I	MD imprecision
SC-040	105897060	SO	7/28/2004	8/14/2004			TEQ using 89-ITE-Factors	16	J	ng/Kg		0.84		SW-8290	I	MD imprecision
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	51207-31-9	2,3,7,8-TCDF	0.31	J	ng/Kg	0.19	0.85	1	SW-8290	I	Result uncertain below the calibration range
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	1746-01-6	2,3,7,8-TCDD	0.36	J	ng/Kg	0.19	0.85	1	SW-8290	I	FD imprecision; Result uncertain below the calibration range
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	57117-41-6	1,2,3,7,8-PeCDF	0.94	UJ	ng/Kg	0.94	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	57117-31-4	2,3,4,7,8-PeCDF	0.94	UJ	ng/Kg	0.94	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	40321-76-4	1,2,3,7,8-PeCDD	1.9	J	ng/Kg	0.94	0.85	1	SW-8290	I	FD imprecision; Result uncertain below the calibration range
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	70648-26-9	1,2,3,4,7,8-HxCDF	0.94	UJ	ng/Kg	0.94	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	57117-44-9	1,2,3,6,7,8-HxCDF	4.3	J	ng/Kg	0.94	0.85	1	SW-8290	I	Result uncertain below the calibration range
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	60851-34-5	2,3,4,6,7,8-HxCDF	1.3	J	ng/Kg	0.94	0.85	1	SW-8290	I	FD imprecision; Result uncertain below the calibration range
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.94	UJ	ng/Kg	0.94	0.85	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	39227-28-6	1,2,3,4,7,8-HxCDD	2.5	J	ng/Kg	0.94	0.85	1	SW-8290	I	Result uncertain below the calibration range
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	57653-85-7	1,2,3,6,7,8-HxCDD	16		ng/Kg	0.94	0.85	1	SW-8290		
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	19408-74-3	1,2,3,7,8,9-HxCDD	7.3		ng/Kg	0.94	0.85	1	SW-8290		
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	21	J	ng/Kg	0.94	0.85	1	SW-8290	I	FD imprecision
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	1.4	J	ng/Kg	0.94	0.85	1	SW-8290	I	Result uncertain below the calibration range
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	260		ng/Kg	0.94	0.85	1	SW-8290		
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	39001-02-0	OCDF	75		ng/Kg	1.9	0.85	1	SW-8290		
SCE-040	105897078	SO	7/28/2004	8/14/2004	8/20/2004	3268-87-9	OCDD	3200		ng/Kg	1.9	0.85	1	SW-8290		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SCE-040	105897078	SO	7/28/2004	8/14/2004			TEQ using 89-ITE-Factors	10		ng/Kg		0.88		SW-8290		
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	51207-31-9	2,3,7,8-TCDF	0.0021	UJ	ng/L	0.0021		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	1746-01-6	2,3,7,8-TCDD	0.0021	UJ	ng/L	0.0021		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	57117-41-6	1,2,3,7,8-PeCDF	0.011	UJ	ng/L	0.011		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	57117-31-4	2,3,4,7,8-PeCDF	0.011	UJ	ng/L	0.011		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	40321-76-4	1,2,3,7,8-PeCDD	0.011	UJ	ng/L	0.011		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	70648-26-9	1,2,3,4,7,8-HxCDF	0.011	UJ	ng/L	0.011		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	57117-44-9	1,2,3,6,7,8-HxCDF	0.011	UJ	ng/L	0.011		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	60851-34-5	2,3,4,6,7,8-HxCDF	0.011	UJ	ng/L	0.011		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	72918-21-9	1,2,3,7,8,9-HxCDF	0.011	UJ	ng/L	0.011		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	39227-28-6	1,2,3,4,7,8-HxCDD	0.011	UJ	ng/L	0.011		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	57653-85-7	1,2,3,6,7,8-HxCDD	0.011	UJ	ng/L	0.011		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	19408-74-3	1,2,3,7,8,9-HxCDD	0.011	UJ	ng/L	0.011		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	0.011	UJ	ng/L	0.011		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	0.011	UJ	ng/L	0.011		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	0.011	UJ	ng/L	0.011		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	39001-02-0	OCDF	0.021	UJ	ng/L	0.021		1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
RB-008	105897086	AQ	7/28/2004	8/18/2004	8/20/2004	3268-87-9	OCDD	0.088	UJ	ng/L	0.021		1	SW-8290	I	Blank Action; Result uncertain below the calibration range
RB-008	105897086	AQ	7/28/2004	8/18/2004			TEQ using 89-ITE-Factors	0		ng/L				SW-8290		Adjusted due to Blank Action
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	51207-31-9	2,3,7,8-TCDF	0.84	J	ng/Kg	0.2	0.83	1	SW-8290	I	Result uncertain below the calibration range
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	1746-01-6	2,3,7,8-TCDD	0.85	J	ng/Kg	0.2	0.83	1	SW-8290	I	Result uncertain below the calibration range
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	57117-41-6	1,2,3,7,8-PeCDF	1	UJ	ng/Kg	1	0.83	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	57117-31-4	2,3,4,7,8-PeCDF	1	UJ	ng/Kg	1	0.83	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	40321-76-4	1,2,3,7,8-PeCDD	3.8	J	ng/Kg	1	0.83	1	SW-8290	I	Result uncertain below the calibration range
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	70648-26-9	1,2,3,4,7,8-HxCDF	1.4	J	ng/Kg	1	0.83	1	SW-8290	I	Result uncertain below the calibration range
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	57117-44-9	1,2,3,6,7,8-HxCDF	6.7		ng/Kg	1	0.83	1	SW-8290		
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	60851-34-5	2,3,4,6,7,8-HxCDF	2.2	J	ng/Kg	1	0.83	1	SW-8290	I	Result uncertain below the calibration range
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	72918-21-9	1,2,3,7,8,9-HxCDF	1	UJ	ng/Kg	1	0.83	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	39227-28-6	1,2,3,4,7,8-HxCDD	4.1	J	ng/Kg	1	0.83	1	SW-8290	I	Result uncertain below the calibration range
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	57653-85-7	1,2,3,6,7,8-HxCDD	28		ng/Kg	1	0.83	1	SW-8290		
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	19408-74-3	1,2,3,7,8,9-HxCDD	13		ng/Kg	1	0.83	1	SW-8290		
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	67562-39-4	1,2,3,4,6,7,8-HpCDF	45		ng/Kg	1	0.83	1	SW-8290		
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	55673-89-7	1,2,3,4,7,8,9-HpCDF	2.3	J	ng/Kg	1	0.83	1	SW-8290	I	Result uncertain below the calibration range
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	35822-46-9	1,2,3,4,6,7,8-HpCDD	440		ng/Kg	1	0.83	1	SW-8290		
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	39001-02-0	OCDF	140		ng/Kg	2	0.83	1	SW-8290		
SC-041	105914014	SO	7/30/2004	8/19/2004	8/22/2004	3268-87-9	OCDD	8300		ng/Kg	3.4	0.83	1	SW-8290		RL = Estimated Detection Limit (EDL)
SC-041	105914014	SO	7/30/2004	8/19/2004			TEQ using 89-ITE-Factors	16		ng/Kg		0.83		SW-8290		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Soil Cover Sampling -- 2004

SamplD	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7429-90-5	Aluminum	50	U	ug/L	N/A	50		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7429-90-5	Aluminum	7100		mg/Kg	Dry	2.0	80.9	5	6020A		
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7429-90-5	Aluminum	8500		mg/Kg	Dry	2.0	83.5	5	6020A		
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7429-90-5	Aluminum	7200		mg/Kg	Dry	1.7	83.6	5	6020A		
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7429-90-5	Aluminum	7600	J	mg/Kg	Dry	1.8	84.5	5	6020A	H	CCV high
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7429-90-5	Aluminum	6200	J	mg/Kg	Dry	2.0	84.5	5	6020A	H	CCV high
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-36-0	Antimony	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/06/2004	7440-36-0	Antimony	0.18	J	mg/Kg	Dry	0.10	80.9	5	6020A	L	MS low
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/06/2004	7440-36-0	Antimony	0.097	R	mg/Kg	Dry	0.10	83.5	5	6020A		Unusable - MS < 30%
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/06/2004	7440-36-0	Antimony	0.093	R	mg/Kg	Dry	0.093	83.6	5	6020A		Unusable - MS < 30%
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/06/2004	7440-36-0	Antimony	0.13	J	mg/Kg	Dry	0.095	84.5	5	6020A	L	MS low
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/06/2004	7440-36-0	Antimony	0.099	R	mg/Kg	Dry	0.099	84.5	5	6020A		Unusable - MS < 30%
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-38-2	Arsenic	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7440-38-2	Arsenic	3.8		mg/Kg	Dry	0.020	80.9	5	6020A		
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7440-38-2	Arsenic	4.5		mg/Kg	Dry	0.020	83.5	5	6020A		
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7440-38-2	Arsenic	3.6		mg/Kg	Dry	0.017	83.6	5	6020A		
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7440-38-2	Arsenic	3.6		mg/Kg	Dry	0.018	84.5	5	6020A		
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7440-38-2	Arsenic	3.8		mg/Kg	Dry	0.020	84.5	5	6020A		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-39-3	Barium	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7440-39-3	Barium	38	J	mg/Kg	Dry	0.020	80.9	5	6020A	I	MD imprecision
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7440-39-3	Barium	49	J	mg/Kg	Dry	0.020	83.5	5	6020A	I	MD imprecision
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7440-39-3	Barium	32	J	mg/Kg	Dry	0.017	83.6	5	6020A	I	MD imprecision
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7440-39-3	Barium	35	J	mg/Kg	Dry	0.018	84.5	5	6020A	I	MD imprecision
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7440-39-3	Barium	39	J	mg/Kg	Dry	0.020	84.5	5	6020A	I	MD imprecision
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-41-7	Beryllium	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7440-41-7	Beryllium	0.26		mg/Kg	Dry	0.020	80.9	5	6020A		
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7440-41-7	Beryllium	0.34		mg/Kg	Dry	0.020	83.5	5	6020A		
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7440-41-7	Beryllium	0.23		mg/Kg	Dry	0.017	83.6	5	6020A		
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7440-41-7	Beryllium	0.26		mg/Kg	Dry	0.018	84.5	5	6020A		
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7440-41-7	Beryllium	0.26		mg/Kg	Dry	0.020	84.5	5	6020A		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-43-9	Cadmium	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7440-43-9	Cadmium	1.8	J	mg/Kg	Dry	0.020	80.9	5	6020A	I	MD imprecision
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7440-43-9	Cadmium	1.2	J	mg/Kg	Dry	0.020	83.5	5	6020A	I	MD imprecision
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7440-43-9	Cadmium	0.47	J	mg/Kg	Dry	0.017	83.6	5	6020A	I	MD imprecision
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7440-43-9	Cadmium	1.1	J	mg/Kg	Dry	0.018	84.5	5	6020A	I	MD imprecision
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7440-43-9	Cadmium	0.43	J	mg/Kg	Dry	0.020	84.5	5	6020A	I	MD imprecision
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-70-2	Calcium	100	U	ug/L	N/A	100		5	6020A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result rejected.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

Maxymiuan Technologies
Pownal Tannery Superfund Site, Pownal, VT
Soil Cover Sampling -- 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7440-70-2	Calcium	14000		mg/Kg	Dry	4.0	80.9	10	6020A		
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7440-70-2	Calcium	5200		mg/Kg	Dry	2.0	83.5	5	6020A		
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7440-70-2	Calcium	11000	J	mg/Kg	Dry	6.9	83.6	20	6020A	I	FD imprecision
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7440-70-2	Calcium	3000		mg/Kg	Dry	1.8	84.5	5	6020A		
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7440-70-2	Calcium	20000	J	mg/Kg	Dry	7.9	84.5	20	6020A	I	FD imprecision
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-47-3	Chromium	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7440-47-3	Chromium	520	J	mg/Kg	Dry	0.10	80.9	5	6020A	I	MS high + MD imprecision
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7440-47-3	Chromium	370	J	mg/Kg	Dry	0.10	83.5	5	6020A	I	MS high + MD imprecision
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7440-47-3	Chromium	150	J	mg/Kg	Dry	0.086	83.6	5	6020A	I	MS high + MD imprecision
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7440-47-3	Chromium	320	J	mg/Kg	Dry	0.088	84.5	5	6020A	I	MS high + MD imprecision
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7440-47-3	Chromium	120	J	mg/Kg	Dry	0.099	84.5	5	6020A	I	MS high + MD imprecision
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-48-4	Cobalt	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7440-48-4	Cobalt	10		mg/Kg	Dry	0.020	80.9	5	6020A		
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7440-48-4	Cobalt	11		mg/Kg	Dry	0.020	83.5	5	6020A		
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7440-48-4	Cobalt	8.4		mg/Kg	Dry	0.017	83.6	5	6020A		
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7440-48-4	Cobalt	9.1		mg/Kg	Dry	0.018	84.5	5	6020A		
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7440-48-4	Cobalt	9.5		mg/Kg	Dry	0.020	84.5	5	6020A		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-50-8	Copper	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7440-50-8	Copper	20		mg/Kg	Dry	0.40	80.9	5	6020A		
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7440-50-8	Copper	21		mg/Kg	Dry	0.40	83.5	5	6020A		
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7440-50-8	Copper	16		mg/Kg	Dry	0.35	83.6	5	6020A		
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7440-50-8	Copper	18		mg/Kg	Dry	0.35	84.5	5	6020A		
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7440-50-8	Copper	17		mg/Kg	Dry	0.39	84.5	5	6020A		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7439-89-6	Iron	250	U	ug/L	N/A	250		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7439-89-6	Iron	20000		mg/Kg	Dry	8.0	80.9	10	6020A		
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7439-89-6	Iron	23000		mg/Kg	Dry	16	83.5	20	6020A		
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7439-89-6	Iron	21000		mg/Kg	Dry	14	83.6	20	6020A		
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7439-89-6	Iron	22000		mg/Kg	Dry	14	84.5	20	6020A		
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7439-89-6	Iron	20000		mg/Kg	Dry	16	84.5	20	6020A		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7439-92-1	Lead	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7439-92-1	Lead	31		mg/Kg	Dry	0.020	80.9	5	6020A		
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7439-92-1	Lead	31		mg/Kg	Dry	0.020	83.5	5	6020A		
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7439-92-1	Lead	16		mg/Kg	Dry	0.017	83.6	5	6020A		
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7439-92-1	Lead	32		mg/Kg	Dry	0.018	84.5	5	6020A		
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7439-92-1	Lead	14		mg/Kg	Dry	0.020	84.5	5	6020A		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7439-95-4	Magnesium	50	U	ug/L	N/A	50		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7439-95-4	Magnesium	6200		mg/Kg	Dry	2.0	80.9	5	6020A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result rejected.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Soil Cover Sampling -- 2004

SamplD	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7439-95-4	Magnesium	4200		mg/Kg	Dry	2.0	83.5	5	6020A		
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7439-95-4	Magnesium	6200		mg/Kg	Dry	1.7	83.6	5	6020A		
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7439-95-4	Magnesium	3500	J	mg/Kg	Dry	1.8	84.5	5	6020A	H	CCV high
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7439-95-4	Magnesium	9600	J	mg/Kg	Dry	2.0	84.5	5	6020A	H	CCV high
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7439-96-5	Manganese	25	U	ug/L	N/A	25		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7439-96-5	Manganese	640		mg/Kg	Dry	1.0	80.9	5	6020A		
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7439-96-5	Manganese	760		mg/Kg	Dry	1.0	83.5	5	6020A		
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7439-96-5	Manganese	600		mg/Kg	Dry	0.86	83.6	5	6020A		
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7439-96-5	Manganese	500		mg/Kg	Dry	0.88	84.5	5	6020A		
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7439-96-5	Manganese	650		mg/Kg	Dry	0.99	84.5	5	6020A		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/04/2004	7439-97-6	Mercury	0.20	U	ug/L	N/A	0.20		1	7470A		
SC-038	0407142-01	SO	07/28/2004	08/10/2004	08/12/2004	7439-97-6	Mercury	0.50	J	mg/Kg	Dry	0.0057	80.9	1	7471A	I	MD imprecision
SC-039	0407142-02	SO	07/28/2004	08/10/2004	08/12/2004	7439-97-6	Mercury	0.31	J	mg/Kg	Dry	0.0059	83.5	1	7471A	I	MD imprecision
SC-040	0407142-03	SO	07/28/2004	08/10/2004	08/12/2004	7439-97-6	Mercury	0.21	J	mg/Kg	Dry	0.0052	83.6	1	7471A	I	MD imprecision
SC-041	0407142-07	SO	07/30/2004	08/10/2004	08/12/2004	7439-97-6	Mercury	0.45	J	mg/Kg	Dry	0.0055	84.5	1	7471A	I	MD imprecision
SCE-040	0407142-04	SO	07/28/2004	08/10/2004	08/12/2004	7439-97-6	Mercury	0.18	J	mg/Kg	Dry	0.0056	84.5	1	7471A	I	MD imprecision
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-02-0	Nickel	5.0	U	ug/L	N/A	5.0		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7440-02-0	Nickel	18		mg/Kg	Dry	0.20	80.9	5	6020A		
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7440-02-0	Nickel	19		mg/Kg	Dry	0.20	83.5	5	6020A		
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7440-02-0	Nickel	15		mg/Kg	Dry	0.17	83.6	5	6020A		
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7440-02-0	Nickel	16		mg/Kg	Dry	0.18	84.5	5	6020A		
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7440-02-0	Nickel	16		mg/Kg	Dry	0.20	84.5	5	6020A		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-09-7	Potassium	250	U	ug/L	N/A	250		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7440-09-7	Potassium	410	J	mg/Kg	Dry	2.0	80.9	5	6020A	L	Serial dilution out
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7440-09-7	Potassium	540	J	mg/Kg	Dry	2.0	83.5	5	6020A	L	Serial dilution out
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7440-09-7	Potassium	410	J	mg/Kg	Dry	1.7	83.6	5	6020A	L	Serial dilution out
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7440-09-7	Potassium	440	J	mg/Kg	Dry	1.8	84.5	5	6020A	L	Serial dilution out
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7440-09-7	Potassium	410	J	mg/Kg	Dry	2.0	84.5	5	6020A	L	Serial dilution out
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7782-49-2	Selenium	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7782-49-2	Selenium	0.18		mg/Kg	Dry	0.10	80.9	5	6020A		
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7782-49-2	Selenium	0.23		mg/Kg	Dry	0.10	83.5	5	6020A		
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7782-49-2	Selenium	0.14		mg/Kg	Dry	0.086	83.6	5	6020A		
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7782-49-2	Selenium	0.15		mg/Kg	Dry	0.088	84.5	5	6020A		
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7782-49-2	Selenium	0.12		mg/Kg	Dry	0.099	84.5	5	6020A		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-22-4	Silver	0.50	U	ug/L	N/A	0.50		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/06/2004	7440-22-4	Silver	0.11		mg/Kg	Dry	0.020	80.9	5	6020A		
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/06/2004	7440-22-4	Silver	0.13		mg/Kg	Dry	0.019	83.5	5	6020A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result rejected.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Soil Cover Sampling -- 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DryWet	DetLimit	Solids	DilFact	AnalMeth	Bias	DV_Comment
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/06/2004	7440-22-4	Silver	0.13		mg/Kg	Dry	0.019	83.6	5	6020A		
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/06/2004	7440-22-4	Silver	0.15		mg/Kg	Dry	0.019	84.5	5	6020A		
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/06/2004	7440-22-4	Silver	0.12		mg/Kg	Dry	0.020	84.5	5	6020A		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-23-5	Sodium	200		ug/L	N/A	50		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7440-23-5	Sodium	29	JB	mg/Kg	Dry	4.0	80.9	5	6020A	I	MD Imprecision + Blank Action
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7440-23-5	Sodium	27	JB	mg/Kg	Dry	4.0	83.5	5	6020A	I	MD Imprecision + Blank Action
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7440-23-5	Sodium	21	JB	mg/Kg	Dry	3.5	83.6	5	6020A	I	MD Imprecision + Blank Action
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7440-23-5	Sodium	25	JB	mg/Kg	Dry	3.5	84.5	5	6020A	I	MD Imprecision + Blank Action
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7440-23-5	Sodium	26	JB	mg/Kg	Dry	3.9	84.5	5	6020A	I	MD Imprecision + Blank Action
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-28-0	Thallium	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7440-28-0	Thallium	0.20	U	mg/Kg	Dry	0.20	80.9	5	6020A		
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7440-28-0	Thallium	0.20	U	mg/Kg	Dry	0.20	83.5	5	6020A		
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7440-28-0	Thallium	0.17	U	mg/Kg	Dry	0.17	83.6	5	6020A		
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7440-28-0	Thallium	0.18	U	mg/Kg	Dry	0.18	84.5	5	6020A		
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7440-28-0	Thallium	0.20	U	mg/Kg	Dry	0.20	84.5	5	6020A		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-62-2	Vanadium	2.5	U	ug/L	N/A	2.5		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7440-62-2	Vanadium	8.7		mg/Kg	Dry	0.10	80.9	5	6020A		
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7440-62-2	Vanadium	10		mg/Kg	Dry	0.10	83.5	5	6020A		
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7440-62-2	Vanadium	8.2		mg/Kg	Dry	0.086	83.6	5	6020A		
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7440-62-2	Vanadium	8.3		mg/Kg	Dry	0.088	84.5	5	6020A		
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7440-62-2	Vanadium	8.6		mg/Kg	Dry	0.099	84.5	5	6020A		
RB-008	0407142-05	AQ	07/28/2004	08/02/2004	08/05/2004	7440-66-6	Zinc	50	U	ug/L	N/A	50		5	6020A		
SC-038	0407142-01	SO	07/28/2004	08/03/2004	08/12/2004	7440-66-6	Zinc	66	J	mg/Kg	Dry	0.40	80.9	5	6020A	I	MD Imprecision
SC-039	0407142-02	SO	07/28/2004	08/03/2004	08/12/2004	7440-66-6	Zinc	88	J	mg/Kg	Dry	0.40	83.5	5	6020A	I	MD Imprecision
SC-040	0407142-03	SO	07/28/2004	08/03/2004	08/12/2004	7440-66-6	Zinc	57	J	mg/Kg	Dry	0.35	83.6	5	6020A	I	MD Imprecision
SC-041	0407142-07	SO	07/30/2004	08/03/2004	08/12/2004	7440-66-6	Zinc	85	J	mg/Kg	Dry	0.35	84.5	5	6020A	I	MD Imprecision
SCE-040	0407142-04	SO	07/28/2004	08/03/2004	08/12/2004	7440-66-6	Zinc	57	J	mg/Kg	Dry	0.39	84.5	5	6020A	I	MD Imprecision

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result rejected.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

APPENDIX O

CONSTRUCTION WATER DATA TABLES

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Water Treatment System Sampling - Discharge Water 2004

Validated: 06/11/04
NEH, Inc.

index	Spectrum Samp ID	Client ID	Compound Name	Result	EMPC	RL	Units	Flags	DV_Qual	Bias	DV_Comment
3	SA10856-01	DW-001	2,3,7,8-TCDD	ND		0.002	ng/L	A	UJ	I	Uncertain at Estimated Detection Limit (EDL)
4	SA10856-04	DW-002	2,3,7,8-TCDD	ND		0.0011	ng/L	A	UJ	I	Uncertain at Estimated Detection Limit (EDL)
5	SA10856-05	DWE-002	2,3,7,8-TCDD	ND		0.0011	ng/L	A	UJ	I	Uncertain at Estimated Detection Limit (EDL)

U = Non-detect at the reporting limit (RL), RL=EDL; UJ = Non-detect at EDL. J = Result is estimated. R = Result is rejected.
Bias: L = Low; H = high; I = indeterminate. See Data Validation Report for details.

Maxymillian [illegible]chnologies
Pownal Tannery Supe[illegible]und Site, Pownal, VT
Water Treatment System Sampling - Discharge Water 2004

Validated: [illegible]/04
N[illegible] Inc.

ENVIRONMENTAL RESEARCH INSTITUTE, UCONN

Client Sample ID	**DWE-002**		
Spectrum Sample ID	**SA10856-05(F)**	Date Sampled	04/12/04
ERI Lab ID	04088-03	Date Received	04/14/04
Data File	P4041619.D	Date Extracted	04/15/04
Analysis	PCB Homologue	Date Analyzed	4/16/2004 9:11pm
Method	EPA 680 SIM	GC Dilu. Fac.	1.00
Sample Volume(L)	0.980	Process Dilu. Fac.	1.00
Final Volume(ml)	1.0	Analyst	Jane Li
Matrix	Aqueous		

CAS No.	**Analytes**	**Conc. (ug/L)**	**PQL (ug/L)**	**DV Qualifer**	**Bias**	**DV_Comment**
27323-18-8	PCB HMLG Cl 1	**ND**	0.01	U		
25512-42-9	PCB HMLG Cl 2	**ND**	0.01	U		
25323-68-6	PCB HMLG Cl 3	**ND**	0.01	U		
26914-33-0	PCB HMLG Cl 4	**ND**	0.01	U		
25429-29-2	PCB HMLG Cl 5	**ND**	0.01	U		
26601-64-9	PCB HMLG Cl 6	**ND**	0.01	U		
28655-71-2	PCB HMLG Cl 7	**ND**	0.01	U		
31472-83-0	PCB HMLG Cl 8	**ND**	0.01	U		
53742-07-7	PCB HMLG Cl 9	**ND**	0.01	U		
2051-24-3	PCB HMLG Cl 10	**ND**	0.01	U		
	Total PCB	ND	0.01	U		

U = Non-detect at the reporting limit (RL). UJ = Non-detect is estimated RL. J = Result is estimated. R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Water Treatment System Sampling - Discharge Water 2004

ENVIRONMENTAL RESEARCH INSTITUTE, UCONN

Client Sample ID	**DW-002**					
Spectrum Sample ID	**SA10856-04(AA)**	Date Sampled	04/12/04			
ERI Lab ID	04088-02 .	Date Received	04/14/04			
Data File	P4041616.D	Date Extracted	04/15/04			
Analysis	PCB Homologue	Date Analyzed	4/16/2004 7:17pm			
Method	EPA 680 SIM	GC Dilu. Fac.	1.00			
Sample Volume(L)	0.980	Process Dilu. Fac.	1.00			
Final Volume(ml)	1.0	Analyst	Jane Li			
Matrix	Aqueous					
CAS No.	**Analytes**	**Conc. (ug/L)**	**PQL (ug/L)**	**DV Qualifer**	**Bias**	**DV_Comment**
27323-18-8	PCB HMLG Cl 1	**ND**	0.01	U		
25512-42-9	PCB HMLG Cl 2	**ND**	0.01	U		
25323-68-6	PCB HMLG Cl 3	**ND**	0.01	U		
26914-33-0	PCB HMLG Cl 4	**ND**	0.01	U		
25429-29-2	PCB HMLG Cl 5	**ND**	0.01	U		
26601-64-9	PCB HMLG Cl 6	**ND**	0.01	U		
28655-71-2	PCB HMLG Cl 7	**ND**	0.01	U		
31472-83-0	PCB HMLG Cl 8	**ND**	0.01	U		
53742-07-7	PCB HMLG Cl 9	**ND**	0.01	U		
2051-24-3	PCB HMLG Cl 10	**ND**	0.01	U		
	Total PCB	ND	0.01	U		

U = Non-detect at the reporting limit (RL). UJ = Non-detect is estimated RL. J = Result is estimated. R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

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Pownal Tannery Superfund Site, Pownal, VT
Water Treatment System Sampling - Discharge Water 2004

ENVIRONMENTAL RESEARCH INSTITUTE, UCONN

Client Sample ID	**DW-001**		
Spectrum Sample ID	**SA10856-01(C)**	Date Sampled	04/12/04
ERI Lab ID	04088-01	Date Received	04/14/04
Data File	P4041620.D	Date Extracted	04/15/04
Analysis	PCB Homologue	Date Analyzed	4/16/2004 9:49pm
Method	EPA 680 SIM	GC Dilu. Fac.	1.00
Sample Volume(L)	0.970	Process Dilu. Fac.	1.00
Final Volume(ml)	1.0	Analyst	Jane Li
Matrix	Aqueous		

CAS No.	**Analytes**	**Conc. (ug/L)**	**PQL (ug/L)**	**DV Qualifer**	**Bias**	**DV_Comment**
27323-18-8	PCB HMLG Cl 1	**ND**	0.01	U		
25512-42-9	PCB HMLG Cl 2	**ND**	0.01	U		
25323-68-6	PCB HMLG Cl 3	**ND**	0.01	U		
26914-33-0	PCB HMLG Cl 4	**ND**	0.01	U		
25429-29-2	PCB HMLG Cl 5	**ND**	0.01	U		
26601-64-9	PCB HMLG Cl 6	**ND**	0.01	U		
28655-71-2	PCB HMLG Cl 7	**ND**	0.01	U		
31472-83-0	PCB HMLG Cl 8	**ND**	0.01	U		
53742-07-7	PCB HMLG Cl 9	**ND**	0.01	U		
2051-24-3	PCB HMLG Cl 10	**ND**	0.01	U		
	Total PCB	ND	0.01	U		

U = Non-detect at the reporting limit (RL). UJ = Non-detect is estimated RL. J = Result is estimated. R = Result is rejected.
Bias: L= Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian ..chnologies
Pownal Tannery Superfund Site, Pownal, VT
Water Treatment System Sampling - Discharge Water 2004

LAB	SAMPLE NAME	LAB SAMP ID	MATRIX	SAMPLE DATE	PREP DATE	ANAL DATE	BATCH	METHOD	ANALYTE	CAS NUMBER	RESU	DV Qual	Bias	DV RL	UNITS	DILU	DV_Comment
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1,1-Trichloroethane	71-55-6	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1-Dichloroethane	75-34-3	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1-Dichloroethene	75-35-4	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2,4-Trichlorobenzene	120-82-1	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2-Dichlorobenzene	95-50-1	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2-Dichloroethane	107-06-2	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,3-Dichlorobenzene	541-73-1	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,4-Dichlorobenzene	106-46-7	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	2-Butanone (MEK)	78-93-3	BRL	UJ	L	10	ug/l	1	Low Calibration Verification
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		10	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Acetone	67-64-1	BRL	U		20	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Benzene	71-43-2	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromodichloromethane	75-27-4	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromoform	75-25-2	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromomethane	74-83-9	BRL	U		2	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Carbon tetrachloride	56-23-5	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Chlorobenzene	108-90-7	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Chloroform	67-66-3	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Ethylbenzene	100-41-4	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	m,p-Xylene	108-38-3,	BRL	U		2	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Methyl tert-butyl ether	1634-04-4	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Methylene chloride	75-09-2	BRL	U		10	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	o-Xylene	95-47-6	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Styrene	100-42-5	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Tetrachloroethene	127-18-4	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Toluene	108-88-3	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	trans-1,2-Dichloroethene	156-60-5	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-02	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Trichloroethene	79-01-6	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1,1-Trichloroethane	71-55-6	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1-Dichloroethane	75-34-3	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1-Dichloroethene	75-35-4	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2,4-Trichlorobenzene	120-82-1	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2-Dichlorobenzene	95-50-1	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2-Dichloroethane	107-06-2	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,3-Dichlorobenzene	541-73-1	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,4-Dichlorobenzene	106-46-7	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	2-Butanone (MEK)	78-93-3	BRL	UJ	L	10	ug/l	1	Low Calibration Verification
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		10	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Acetone	67-64-1	BRL	U		20	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Benzene	71-43-2	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromodichloromethane	75-27-4	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromoform	75-25-2	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromomethane	74-83-9	BRL	U		2	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Carbon tetrachloride	56-23-5	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Chlorobenzene	108-90-7	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Chloroform	67-66-3	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Ethylbenzene	100-41-4	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	m,p-Xylene	108-38-3,	BRL	U		2	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Methyl tert-butyl ether	1634-04-4	BRL	U		1	ug/l	1	

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Bias: L = low; H = high; I = Indeterminate. See Data Validation Report for details.

LAB	SAMPLE NAME	LAB SAMP ID	MATRIX	SAMPLE DATE	PREP DATE	ANAL DATE	BATCH	METHOD	ANALYTE	CAS NUMBER	REST	DV Qual	Bias	DV RL	UNITS	DIL	DV_Comment
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Methylene chloride	75-09-2	BRL	U		10	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	o-Xylene	95-47-6	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Styrene	100-42-5	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Tetrachloroethene	127-18-4	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Toluene	108-88-3	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	trans-1,2-Dichloroethene	156-60-5	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Trichloroethene	79-01-6	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1,1-Trichloroethane	71-55-6	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1-Dichloroethane	75-34-3	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1-Dichloroethene	75-35-4	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2,4-Trichlorobenzene	120-82-1	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2-Dichlorobenzene	95-50-1	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2-Dichloroethane	107-06-2	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,3-Dichlorobenzene	541-73-1	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,4-Dichlorobenzene	106-46-7	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	2-Butanone (MEK)	78-93-3	BRL	UJ	L	10	ug/l	1	Low Calibration Verification
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		10	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Acetone	67-64-1	BRL	U		20	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Benzene	71-43-2	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromodichloromethane	75-27-4	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromoform	75-25-2	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromomethane	74-83-9	BRL	U		2	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Carbon tetrachloride	56-23-5	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Chlorobenzene	108-90-7	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Chloroform	67-66-3	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Ethylbenzene	100-41-4	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	m,p-Xylene	108-38-3,	BRL	U		2	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Methyl tert-butyl ether	1634-04-4	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Methylene chloride	75-09-2	BRL	U		10	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	o-Xylene	95-47-6	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Styrene	100-42-5	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Tetrachloroethene	127-18-4	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Toluene	108-88-3	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	trans-1,2-Dichloroethene	156-60-5	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Trichloroethene	79-01-6	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1,1-Trichloroethane	71-55-6	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1-Dichloroethane	75-34-3	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1-Dichloroethene	75-35-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2,4-Trichlorobenzene	120-82-1	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2-Dichlorobenzene	95-50-1	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2-Dichloroethane	107-06-2	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,3-Dichlorobenzene	541-73-1	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,4-Dichlorobenzene	106-46-7	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	2-Butanone (MEK)	78-93-3	BRL	UJ	L	10	ug/l	1	Low Calibration Verification
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		10	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Acetone	67-64-1	BRL	U		20	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Benzene	71-43-2	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromodichloromethane	75-27-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromoform	75-25-2	BRL	U		1	ug/l	1	

U = Non-detect at the reporting limit (RL). UJ = Non-detect at estimated RL. J = Result is estimated. R = Result is rejected.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

LAB	SAMPLE NAME	LAB SAMP ID	MATRIX	SAMPLE DATE	PREP DATE	ANAL DATE	BATCH	METHOD	ANALYTE	CAS NUMBER	RESU	DV Qual	Bias	DV RL	UNITS	DILU	DV_Comment
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromomethane	74-83-9	BRL	U		2	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Carbon tetrachloride	56-23-5	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Chlorobenzene	108-90-7	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Chloroform	67-66-3	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Ethylbenzene	100-41-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	m,p-Xylene	108-38-3,	BRL	U		2	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Methyl tert-butyl ether	1634-04-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Methylene chloride	75-09-2	BRL	U		10	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	o-Xylene	95-47-6	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Styrene	100-42-5	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Tetrachloroethene	127-18-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Toluene	108-88-3	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	trans-1,2-Dichloroethene	156-60-5	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-06	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Trichloroethene	79-01-6	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1,1-Trichloroethane	71-55-6	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1-Dichloroethane	75-34-3	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1-Dichloroethene	75-35-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2,4-Trichlorobenzene	120-82-1	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2-Dichlorobenzene	95-50-1	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2-Dichloroethane	107-06-2	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,3-Dichlorobenzene	541-73-1	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,4-Dichlorobenzene	106-46-7	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	2-Butanone (MEK)	78-93-3	BRL	UJ	L	10	ug/l	1	Low Calibration Verification
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		10	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Acetone	67-64-1	BRL	U		20	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Benzene	71-43-2	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromodichloromethane	75-27-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromoform	75-25-2	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromomethane	74-83-9	BRL	U		2	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Carbon tetrachloride	56-23-5	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Chlorobenzene	108-90-7	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Chloroform	67-66-3	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Ethylbenzene	100-41-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	m,p-Xylene	108-38-3,	BRL	U		2	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Methyl tert-butyl ether	1634-04-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Methylene chloride	75-09-2	BRL	U		10	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	o-Xylene	95-47-6	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Styrene	100-42-5	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Tetrachloroethene	127-18-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Toluene	108-88-3	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	trans-1,2-Dichloroethene	156-60-5	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-07	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Trichloroethene	79-01-6	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1,1-Trichloroethane	71-55-6	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1-Dichloroethane	75-34-3	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1-Dichloroethene	75-35-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2,4-Trichlorobenzene	120-82-1	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2-Dichlorobenzene	95-50-1	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2-Dichloroethane	107-06-2	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,3-Dichlorobenzene	541-73-1	BRL	U		1	ug/l	1	

U = Non-detect at the reporting limit (RL). UJ = Non-detect at estimated RL. J = Result is estimated. R = Result is rejected.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

LAB	SAMPLE NAME	LAB SAMP ID	MATRIX	SAMPLE DATE	PREP DATE	ANAL DATE	BATCH	METHOD	ANALYTE	CAS NUMBER	RESU	DV Qual	Bias	DV RL	UNITS	DILU	DV_Comment
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,4-Dichlorobenzene	106-46-7	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	2-Butanone (MEK)	78-93-3	BRL	UJ	L	10	ug/l	1	Low Calibration Verification
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		10	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Acetone	67-64-1	BRL	U		20	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Benzene	71-43-2	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromodichloromethane	75-27-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromoform	75-25-2	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromomethane	74-83-9	BRL	U		2	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Carbon tetrachloride	56-23-5	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Chlorobenzene	108-90-7	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Chloroform	67-66-3	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Ethylbenzene	100-41-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	m,p-Xylene	108-38-3,	BRL	U		2	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Methyl tert-butyl ether	1634-04-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Methylene chloride	75-09-2	BRL	U		10	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	o-Xylene	95-47-6	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Styrene	100-42-5	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Tetrachloroethene	127-18-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Toluene	108-88-3	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	trans-1,2-Dichloroethene	156-60-5	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-08	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Trichloroethene	79-01-6	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1,1-Trichloroethane	71-55-6	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1-Dichloroethane	75-34-3	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,1-Dichloroethene	75-35-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2,4-Trichlorobenzene	120-82-1	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2-Dichlorobenzene	95-50-1	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,2-Dichloroethane	107-06-2	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,3-Dichlorobenzene	541-73-1	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	1,4-Dichlorobenzene	106-46-7	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	2-Butanone (MEK)	78-93-3	BRL	UJ	L	10	ug/l	1	Low Calibration Verification
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	U		10	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Acetone	67-64-1	BRL	U		20	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Benzene	71-43-2	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromodichloromethane	75-27-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromoform	75-25-2	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Bromomethane	74-83-9	BRL	U		2	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Carbon tetrachloride	56-23-5	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Chlorobenzene	108-90-7	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Chloroform	67-66-3	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Ethylbenzene	100-41-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	m,p-Xylene	108-38-3,	BRL	U		2	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Methyl tert-butyl ether	1634-04-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Methylene chloride	75-09-2	BRL	U		10	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	o-Xylene	95-47-6	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Styrene	100-42-5	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Tetrachloroethene	127-18-4	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Toluene	108-88-3	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	trans-1,2-Dichloroethene	156-60-5	BRL	U		1	ug/l	1	
Spectrum	TB-041204-(	SA10856-09	Aqueous	4/12/2004	4/15/2004	4/16/2004	4040803	SW846 8260B	Trichloroethene	79-01-6	BRL	U		1	ug/l	1	

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LAB	SAMPLE NAME	LAB SAMP ID	MATRIX	SAMPLE DATE	PREP DATE	ANAL DATE	BATCH	METHOD	ANALYTE	CAS NUMBER	RESU	DV Qual	Bias	DV RL	UNITS	DILU	DV_Comment
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	2,4,6-Trichlorophenol	88-06-2	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	2,4-Dichlorophenol	120-83-2	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Anthracene	120-12-7	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Atrazine	1912-24-9	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Benzo (a) anthracene	56-55-3	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Benzo (a) pyrene	50-32-8	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Benzo (b) fluoranthene	205-99-2	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Benzo (k) fluoranthene	207-08-9	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Bis(2-chloroethyl)ether	111-44-4	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Chrysene	218-01-9	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Di-n-butyl phthalate	84-74-2	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Dibenzo (a,h) anthracene	53-70-3	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Diethyl phthalate	84-66-2	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Fluoranthene	206-44-0	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Fluorene	86-73-7	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Hexachloroethane	67-72-1	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Indeno (1,2,3-cd) pyrene	193-39-5	BRL	U		1	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Isophorone	78-59-1	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Naphthalene	91-20-3	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Nitrobenzene	98-95-3	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Pentachlorophenol	87-86-5	BRL	U		21	ug/l	1	RL raised
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Phenol	108-95-2	BRL	U		5	ug/l	1	
Spectrum	DW-001	SA10856-01	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Pyrene	129-00-0	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	2,4,6-Trichlorophenol	88-06-2	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	2,4-Dichlorophenol	120-83-2	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Anthracene	120-12-7	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Atrazine	1912-24-9	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Benzo (a) anthracene	56-55-3	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Benzo (a) pyrene	50-32-8	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Benzo (b) fluoranthene	205-99-2	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Benzo (k) fluoranthene	207-08-9	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Bis(2-chloroethyl)ether	111-44-4	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Chrysene	218-01-9	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Di-n-butyl phthalate	84-74-2	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Dibenzo (a,h) anthracene	53-70-3	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Diethyl phthalate	84-66-2	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Fluoranthene	206-44-0	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Fluorene	86-73-7	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Hexachloroethane	67-72-1	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Indeno (1,2,3-cd) pyrene	193-39-5	BRL	U		1	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Isophorone	78-59-1	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Naphthalene	91-20-3	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Nitrobenzene	98-95-3	BRL	U		5	ug/l	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Pentachlorophenol	87-86-5	BRL	U		21	ug/l	1	RL raised
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Phenol	108-95-2	BRL	U		5	ug/l	1	

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Pownal Tannery Superfund Site, Pownal, VT
Water Treatment System Sampling - Discharge Water 2004

LAB	SAMPLE NAME	LAB SAMP ID	MATRIX	SAMPLE DATE	PREP DATE	ANAL DATE	BATCH	METHOD	ANALYTE	CAS NUMBER	RESU	DV Qual	Bias	DV RL	UNITS	DILU	DV_Comment
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Pyrene	129-00-0	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	2,4,6-Trichlorophenol	88-06-2	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	2,4-Dichlorophenol	120-83-2	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Anthracene	120-12-7	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Atrazine	1912-24-9	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Benzo (a) anthracene	56-55-3	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Benzo (a) pyrene	50-32-8	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Benzo (b) fluoranthene	205-99-2	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Benzo (k) fluoranthene	207-08-9	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Bis(2-chloroethyl)ether	111-44-4	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Bis(2-chloroisopropyl)ether	108-60-1	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Bis(2-ethylhexyl)phthalate	117-81-7	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Chrysene	218-01-9	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Di-n-butyl phthalate	84-74-2	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Dibenzo (a,h) anthracene	53-70-3	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Diethyl phthalate	84-66-2	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Fluoranthene	206-44-0	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Fluorene	86-73-7	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Hexachloroethane	67-72-1	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Indeno (1,2,3-cd) pyrene	193-39-5	BRL	U		1	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Isophorone	78-59-1	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Naphthalene	91-20-3	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Nitrobenzene	98-95-3	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Pentachlorophenol	87-86-5	BRL	U		21	ug/l	1	RL raised
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Phenol	108-95-2	BRL	U		5	ug/l	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/19/2004	4/22/2004	4040951	SW846 8270C	Pyrene	129-00-0	BRL	U		5	ug/l	1	

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Pownal Tannery Superfund Site, Pownal, VT
Water Treatment System - Discharge Water Sampling 2004

Validated: 1, 2004
NEH, Inc.

LAB	SAMPLE NAME	LAB SAMPLE ID	MATRIX	SAMPLE DATE	PREP DATE	ANAL DATE	METHOD	ANALYTE	CAS NUMBER	DV Result	DV Qual	DV Bias	DV RL	DV UNITS	DILU	DV_Comment
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Aluminum	7429-90-5	115	UJ	I	115	ug/L	1	Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Aluminum	7429-90-5	115	UJ	I	115	ug/L	1	Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Aluminum	7429-90-5	115	UJ	I	115	ug/L	1	Cumulative QC issues
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Antimony	7440-36-0	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Antimony	7440-36-0	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Antimony	7440-36-0	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Arsenic	7440-38-2	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Arsenic	7440-38-2	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Arsenic	7440-38-2	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Barium	7440-39-3	25	UJ	L	25	ug/L	1	MS low at 73.2% + Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Barium	7440-39-3	83.8	J	L	25	ug/L	1	MS low at 73.2% + Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Barium	7440-39-3	82.8	J	L	25	ug/L	1	MS low at 73.2% + Cumulative QC issues
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Beryllium	7440-41-7	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Beryllium	7440-41-7	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Beryllium	7440-41-7	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Cadmium	7440-43-9	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Cadmium	7440-43-9	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Cadmium	7440-43-9	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Chromium	7440-47-3	25	UJ	L	25	ug/L	1	MS low at 74.8% + Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Chromium	7440-47-3	25	UJ	L	25	ug/L	1	MS low at 74.8% + Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Chromium	7440-47-3	25	UJ	L	25	ug/L	1	MS low at 74.8% + Cumulative QC issues
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Copper	7440-50-8	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Copper	7440-50-8	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Copper	7440-50-8	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/22/2004	4/22/2004	SW846 9012A	Cyanide (total)	57-12-5	10	U		10	ug/L	1	
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/22/2004	4/22/2004	SW846 9012A	Cyanide (total)	57-12-5	10	U		10	ug/L	1	
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/22/2004	4/22/2004	SW846 9012A	Cyanide (total)	57-12-5	10	U		10	ug/L	1	
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/24/2004	4/26/2004	SW846 6010B	Iron	7439-89-6	172	J	L	0.1	ug/L	1	Serial Dil 32.5% D + Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Iron	7439-89-6	1300	J	L	0.1	ug/L	1	Serial Dil 32.5% D + Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Iron	7439-89-6	1260	J	L	0.1	ug/L	1	Serial Dil 32.5% D + Cumulative QC issues
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Lead	7439-92-1	25	UJ	L	25	ug/L	1	MS low at 73.7% + Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Lead	7439-92-1	25	UJ	L	25	ug/L	1	MS low at 73.7% + Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Lead	7439-92-1	25	UJ	L	25	ug/L	1	MS low at 73.7% + Cumulative QC issues
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Manganese	7439-96-5	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Manganese	7439-96-5	149	J	I	25	ug/L	1	Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Manganese	7439-96-5	146	J	I	25	ug/L	1	Cumulative QC issues
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/27/2004	EPA 245.2/747(	Mercury	7439-97-6	0.5	U		0.5	ug/L	1	Raised RL to low-level std
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/27/2004	EPA 245.2/747(	Mercury	7439-97-6	0.5	U		0.5	ug/L	1	Raised RL to low-level std
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/27/2004	EPA 245.2/747(	Mercury	7439-97-6	0.5	U		0.5	ug/L	1	Raised RL to low-level std
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Nickel	7440-02-2	25	UJ	L	25	ug/L	1	MS low at 72.7% + Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Nickel	7440-02-2	25	UJ	L	25	ug/L	1	MS low at 72.7% + Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Nickel	7440-02-2	25	UJ	L	25	ug/L	1	MS low at 72.7% + Cumulative QC issues

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Water Treatment System - Discharge Water Sampling 2004

LAB	SAMPLE NAME	LAB SAMPLE ID	MATRIX	SAMPLE DATE	PREP DATE	ANAL DATE	METHOD	ANALYTE	CAS NUMBER	DV Result	DV Qual	DV Bias	DV RL	DV UNITS	DILU	DV_Comment
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Selenium	7782-49-2	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Selenium	7782-49-2	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Selenium	7782-49-2	25	UJ	I	25	ug/L	1	Cumulative QC issues
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Silver	7440-22-4	13	UJ	I	13	ug/L	1	Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Silver	7440-22-4	13	UJ	I	13	ug/L	1	Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Silver	7440-22-4	13	UJ	I	13	ug/L	1	Cumulative QC issues
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/23/2004	SW846 6010B	Sodium	7440-23-5	7570	J	L	67	ug/L	1	Serial Dil 31.2% D + Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/23/2004	SW846 6010B	Sodium	7440-23-5	19600	J	L	67	ug/L	1	Serial Dil 31.2% D + Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/23/2004	SW846 6010B	Sodium	7440-23-5	19300	J	L	67	ug/L	1	Serial Dil 31.2% D + Cumulative QC issues
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Thallium	7440-28-0	25	UJ	L	25	ug/L	1	MS low at 73.0% + Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Thallium	7440-28-0	25	UJ	L	25	ug/L	1	MS low at 73.0% + Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Thallium	7440-28-0	25	UJ	L	25	ug/L	1	MS low at 73.0% + Cumulative QC issues
Spectrum	DW-001	SA10856-03	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Zinc	7440-66-6	25	UJ	L	25	ug/L	1	MS low at 72.2% + Cumulative QC issues
Spectrum	DW-002	SA10856-04	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Zinc	7440-66-6	25	UJ	L	25	ug/L	1	MS low at 72.2% + Cumulative QC issues
Spectrum	DWE-002	SA10856-05	Aqueous	4/12/2004	4/21/2004	4/22/2004	SW846 6010B	Zinc	7440-66-6	25	UJ	L	25	ug/L	1	MS low at 72.2% + Cumulative QC issues
																Cumulative QC issues for ICP metals include: uncertainties in the Linear Range results, uncertainties and non-compliances in the interelement check sample results, over-range values for the interferent calcium, and lack of documentation of ICP interelement interference corrections (IECs).

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

Validated: 7/13/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-003	105756266	AQ	6/15/2004	6/22/2004	6/24/2004	1746-01-6	2,3,7,8-TCDD	0.002	UJ	ng/L	0.002	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
DW-004	105756274	AQ	6/15/2004	6/22/2004	6/24/2004	1746-01-6	2,3,7,8-TCDD	0.002	UJ	ng/L	0.002	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
DWE-004	105756282	AQ	6/15/2004	6/22/2004	6/25/2004	1746-01-6	2,3,7,8-TCDD	0.002	UJ	ng/L	0.002	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
DW-005	105756290	AQ	6/15/2004	6/22/2004	6/25/2004	1746-01-6	2,3,7,8-TCDD	0.002	UJ	ng/L	0.002	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
DW-006	105756308	AQ	6/15/2004	6/22/2004	6/25/2004	1746-01-6	2,3,7,8-TCDD	0.002	UJ	ng/L	0.002	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
DW-007	105756316	AQ	6/15/2004	6/22/2004	6/25/2004	1746-01-6	2,3,7,8-TCDD	0.002	UJ	ng/L	0.002	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
DW-008	105756365	AQ	6/15/2004	6/22/2004	6/25/2004	1746-01-6	2,3,7,8-TCDD	0.002	UJ	ng/L	0.002	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
DW-009	105756324	AQ	6/16/2004	6/22/2004	6/25/2004	1746-01-6	2,3,7,8-TCDD	0.0021	UJ	ng/L	0.0021	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
DW-010	105756332	AQ	6/16/2004	6/22/2004	6/25/2004	1746-01-6	2,3,7,8-TCDD	0.002	UJ	ng/L	0.002	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
DW-011	105756340	AQ	6/16/2004	6/22/2004	6/25/2004	1746-01-6	2,3,7,8-TCDD	0.002	UJ	ng/L	0.002	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
DW-012	105756357	AQ	6/16/2004	6/22/2004	6/25/2004	1746-01-6	2,3,7,8-TCDD	0.0021	UJ	ng/L	0.0021	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymilliar nnologies
Pownal Tannery Sup nd Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-003	0406096-01	AQ	06/15/2004	06/20/2004	06/21/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-003	0406096-01	AQ	06/15/2004	06/20/2004	06/21/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-003	0406096-01	AQ	06/15/2004	06/20/2004	06/21/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-003	0406096-01	AQ	06/15/2004	06/20/2004	06/21/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-003	0406096-01	AQ	06/15/2004	06/20/2004	06/21/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-003	0406096-01	AQ	06/15/2004	06/20/2004	06/21/2004	26601-64-9	Hexachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-003	0406096-01	AQ	06/15/2004	06/20/2004	06/21/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-003	0406096-01	AQ	06/15/2004	06/20/2004	06/21/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-003	0406096-01	AQ	06/15/2004	06/20/2004	06/21/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-003	0406096-01	AQ	06/15/2004	06/20/2004	06/21/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-003	0406096-01	AQ	06/15/2004	06/20/2004	06/21/2004		Total Homologs	1.0	U	ng/L	1.0	1	680		
DW-004	0406096-02	AQ	06/15/2004	06/20/2004	06/21/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-004	0406096-02	AQ	06/15/2004	06/20/2004	06/21/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-004	0406096-02	AQ	06/15/2004	06/20/2004	06/21/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-004	0406096-02	AQ	06/15/2004	06/20/2004	06/21/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-004	0406096-02	AQ	06/15/2004	06/20/2004	06/21/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-004	0406096-02	AQ	06/15/2004	06/20/2004	06/21/2004	26601-64-9	Hexachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-004	0406096-02	AQ	06/15/2004	06/20/2004	06/21/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-004	0406096-02	AQ	06/15/2004	06/20/2004	06/21/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-004	0406096-02	AQ	06/15/2004	06/20/2004	06/21/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-004	0406096-02	AQ	06/15/2004	06/20/2004	06/21/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-004	0406096-02	AQ	06/15/2004	06/20/2004	06/21/2004		Total Homologs	1.0	U	ng/L	1.0	1	680		
DWE-004	0406096-03	AQ	06/15/2004	06/20/2004	06/21/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-004	0406096-03	AQ	06/15/2004	06/20/2004	06/21/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-004	0406096-03	AQ	06/15/2004	06/20/2004	06/21/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-004	0406096-03	AQ	06/15/2004	06/20/2004	06/21/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-004	0406096-03	AQ	06/15/2004	06/20/2004	06/21/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-004	0406096-03	AQ	06/15/2004	06/20/2004	06/21/2004	26601-64-9	Hexachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-004	0406096-03	AQ	06/15/2004	06/20/2004	06/21/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-004	0406096-03	AQ	06/15/2004	06/20/2004	06/21/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-004	0406096-03	AQ	06/15/2004	06/20/2004	06/21/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-004	0406096-03	AQ	06/15/2004	06/20/2004	06/21/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DWE-004	0406096-03	AQ	06/15/2004	06/20/2004	06/21/2004		Total Homologs	1.0	U	ng/L	1.0	1	680		
DW-005	0406096-04	AQ	06/15/2004	06/20/2004	06/21/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-005	0406096-04	AQ	06/15/2004	06/20/2004	06/21/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-005	0406096-04	AQ	06/15/2004	06/20/2004	06/21/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-005	0406096-04	AQ	06/15/2004	06/20/2004	06/21/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-005	0406096-04	AQ	06/15/2004	06/20/2004	06/21/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-005	0406096-04	AQ	06/15/2004	06/20/2004	06/21/2004	26601-64-9	Hexachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-005	0406096-04	AQ	06/15/2004	06/20/2004	06/21/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-005	0406096-04	AQ	06/15/2004	06/20/2004	06/21/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-005	0406096-04	AQ	06/15/2004	06/20/2004	06/21/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-005	0406096-04	AQ	06/15/2004	06/20/2004	06/21/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-005	0406096-04	AQ	06/15/2004	06/20/2004	06/21/2004		Total Homologs	1.0	U	ng/L	1.0	1	680		
DW-006	0406096-05	AQ	06/15/2004	06/20/2004	06/21/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-006	0406096-05	AQ	06/15/2004	06/20/2004	06/21/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-006	0406096-05	AQ	06/15/2004	06/20/2004	06/21/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		

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Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-006	0406096-05	AQ	06/15/2004	06/20/2004	06/21/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-006	0406096-05	AQ	06/15/2004	06/20/2004	06/21/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-006	0406096-05	AQ	06/15/2004	06/20/2004	06/21/2004	26601-64-9	Hexachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-006	0406096-05	AQ	06/15/2004	06/20/2004	06/21/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-006	0406096-05	AQ	06/15/2004	06/20/2004	06/21/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-006	0406096-05	AQ	06/15/2004	06/20/2004	06/21/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-006	0406096-05	AQ	06/15/2004	06/20/2004	06/21/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-006	0406096-05	AQ	06/15/2004	06/20/2004	06/21/2004		Total Homologs	1.0	U	ng/L	1.0	1	680		
DW-007	0406096-06	AQ	06/15/2004	06/20/2004	06/21/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-007	0406096-06	AQ	06/15/2004	06/20/2004	06/21/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-007	0406096-06	AQ	06/15/2004	06/20/2004	06/21/2004	25323-68-6	Trichlorobiphenyls	3.5		ng/L	1.0	1	680		
DW-007	0406096-06	AQ	06/15/2004	06/20/2004	06/21/2004	26914-33-0	Tetrachlorobiphenyls	11		ng/L	1.0	1	680		
DW-007	0406096-06	AQ	06/15/2004	06/20/2004	06/21/2004	25429-29-2	Pentachlorobiphenyls	6.0		ng/L	1.0	1	680		
DW-007	0406096-06	AQ	06/15/2004	06/20/2004	06/21/2004	26601-64-9	Hexachlorobiphenyls	2.4		ng/L	1.0	1	680		
DW-007	0406096-06	AQ	06/15/2004	06/20/2004	06/21/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-007	0406096-06	AQ	06/15/2004	06/20/2004	06/21/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-007	0406096-06	AQ	06/15/2004	06/20/2004	06/21/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-007	0406096-06	AQ	06/15/2004	06/20/2004	06/21/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-007	0406096-06	AQ	06/15/2004	06/20/2004	06/21/2004		Total Homologs	23		ng/L	1.0	1	680		
DW-008	0406096-07	AQ	06/15/2004	06/20/2004	06/21/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-008	0406096-07	AQ	06/15/2004	06/20/2004	06/21/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-008	0406096-07	AQ	06/15/2004	06/20/2004	06/21/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-008	0406096-07	AQ	06/15/2004	06/20/2004	06/21/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-008	0406096-07	AQ	06/15/2004	06/20/2004	06/21/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-008	0406096-07	AQ	06/15/2004	06/20/2004	06/21/2004	26601-64-9	Hexachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-008	0406096-07	AQ	06/15/2004	06/20/2004	06/21/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-008	0406096-07	AQ	06/15/2004	06/20/2004	06/21/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-008	0406096-07	AQ	06/15/2004	06/20/2004	06/21/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-008	0406096-07	AQ	06/15/2004	06/20/2004	06/21/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-008	0406096-07	AQ	06/15/2004	06/20/2004	06/21/2004		Total Homologs	1.0	U	ng/L	1.0	1	680		
DW-009	0406096-08	AQ	06/16/2004	06/20/2004	06/21/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-009	0406096-08	AQ	06/16/2004	06/20/2004	06/21/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-009	0406096-08	AQ	06/16/2004	06/20/2004	06/21/2004	25323-68-6	Trichlorobiphenyls	2.7		ng/L	1.0	1	680		
DW-009	0406096-08	AQ	06/16/2004	06/20/2004	06/21/2004	26914-33-0	Tetrachlorobiphenyls	4.7		ng/L	1.0	1	680		
DW-009	0406096-08	AQ	06/16/2004	06/20/2004	06/21/2004	25429-29-2	Pentachlorobiphenyls	4.7		ng/L	1.0	1	680		
DW-009	0406096-08	AQ	06/16/2004	06/20/2004	06/21/2004	26601-64-9	Hexachlorobiphenyls	3.7		ng/L	1.0	1	680		
DW-009	0406096-08	AQ	06/16/2004	06/20/2004	06/21/2004	28655-71-2	Heptachlorobiphenyls	1.8		ng/L	1.0	1	680		
DW-009	0406096-08	AQ	06/16/2004	06/20/2004	06/21/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-009	0406096-08	AQ	06/16/2004	06/20/2004	06/21/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-009	0406096-08	AQ	06/16/2004	06/20/2004	06/21/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-009	0406096-08	AQ	06/16/2004	06/20/2004	06/21/2004		Total Homologs	18		ng/L	1.0	1	680		
DW-010	0406096-09	AQ	06/16/2004	06/20/2004	06/21/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-010	0406096-09	AQ	06/16/2004	06/20/2004	06/21/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-010	0406096-09	AQ	06/16/2004	06/20/2004	06/21/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-010	0406096-09	AQ	06/16/2004	06/20/2004	06/21/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-010	0406096-09	AQ	06/16/2004	06/20/2004	06/21/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-010	0406096-09	AQ	06/16/2004	06/20/2004	06/21/2004	26601-64-9	Hexachlorobiphenyls	1.0	U	ng/L	1.0	1	680		

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SamplID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-010	0406096-09	AQ	06/16/2004	06/20/2004	06/21/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-010	0406096-09	AQ	06/16/2004	06/20/2004	06/21/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-010	0406096-09	AQ	06/16/2004	06/20/2004	06/21/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-010	0406096-09	AQ	06/16/2004	06/20/2004	06/21/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-010	0406096-09	AQ	06/16/2004	06/20/2004	06/21/2004		Total Homologs	1.0	U	ng/L	1.0	1	680		
DW-011	0406096-10	AQ	06/16/2004	06/20/2004	06/21/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-011	0406096-10	AQ	06/16/2004	06/20/2004	06/21/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-011	0406096-10	AQ	06/16/2004	06/20/2004	06/21/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-011	0406096-10	AQ	06/16/2004	06/20/2004	06/21/2004	26914-33-0	Tetrachlorobiphenyls	18		ng/L	1.0	1	680		
DW-011	0406096-10	AQ	06/16/2004	06/20/2004	06/21/2004	25429-29-2	Pentachlorobiphenyls	17		ng/L	1.0	1	680		
DW-011	0406096-10	AQ	06/16/2004	06/20/2004	06/21/2004	26601-64-9	Hexachlorobiphenyls	6.7		ng/L	1.0	1	680		
DW-011	0406096-10	AQ	06/16/2004	06/20/2004	06/21/2004	28655-71-2	Heptachlorobiphenyls	2.4		ng/L	1.0	1	680		
DW-011	0406096-10	AQ	06/16/2004	06/20/2004	06/21/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-011	0406096-10	AQ	06/16/2004	06/20/2004	06/21/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-011	0406096-10	AQ	06/16/2004	06/20/2004	06/21/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-011	0406096-10	AQ	06/16/2004	06/20/2004	06/21/2004		Total Homologs	44		ng/L	1.0	1	680		
DW-012	0406096-11	AQ	06/16/2004	06/20/2004	06/21/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-012	0406096-11	AQ	06/16/2004	06/20/2004	06/21/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-012	0406096-11	AQ	06/16/2004	06/20/2004	06/21/2004	25323-68-6	Trichlorobiphenyls	5.2		ng/L	1.0	1	680		
DW-012	0406096-11	AQ	06/16/2004	06/20/2004	06/21/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-012	0406096-11	AQ	06/16/2004	06/20/2004	06/21/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-012	0406096-11	AQ	06/16/2004	06/20/2004	06/21/2004	26601-64-9	Hexachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-012	0406096-11	AQ	06/16/2004	06/20/2004	06/21/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-012	0406096-11	AQ	06/16/2004	06/20/2004	06/21/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-012	0406096-11	AQ	06/16/2004	06/20/2004	06/21/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-012	0406096-11	AQ	06/16/2004	06/20/2004	06/21/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-012	0406096-11	AQ	06/16/2004	06/20/2004	06/21/2004		Total Homologs	5.2		ng/L	1.0	1	680		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	67-64-1	Acetone	7.0	J	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery + Low Calibration verification
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	95-50-1	1,2-Dichlorobenzene	5.1		ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004		06/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	67-64-1	Acetone	5.0	UJ	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery + Low Calibration verification
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-004	0406096-02	AQ	06/15/2004		06/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	67-64-1	Acetone	5.0	UJ	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery + Low Calibration verification
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DWE-004	0406096-03	AQ	06/15/2004		06/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	67-64-1	Acetone	6.5	J	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery + Low Calibration verification
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	95-50-1	1,2-Dichlorobenzene	3.7		ug/L	2.0	1	8260		
DW-005	0406096-04	AQ	06/15/2004		06/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	67-64-1	Acetone	5.0	UJ	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery + Low Calibration verification
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		

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Maxymillia Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-006	0406096-05	AQ	06/15/2004		06/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	67-64-1	Acetone	5.8	J	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery + Low Calibration verification
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	95-50-1	1,2-Dichlorobenzene	3.6		ug/L	2.0	1	8260		

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Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-007	0406096-06	AQ	06/15/2004		06/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	67-64-1	Acetone	5.0	UJ	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery + Low Calibration verification
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-008	0406096-07	AQ	06/15/2004		06/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	67-64-1	Acetone	5.7	J	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery + Low Calibration verification
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	95-50-1	1,2-Dichlorobenzene	2.8		ug/L	2.0	1	8260		
DW-009	0406096-08	AQ	06/16/2004		06/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	67-64-1	Acetone	5.0	UJ	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery + Low Calibration verification
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-010	0406096-09	AQ	06/16/2004		06/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	67-64-1	Acetone	17	J	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery + Low Calibration verification
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	78-93-3	2-Butanone (MEK)	3.5		ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	106-46-7	1,4-Dichlorobenzene	1.2	J	ug/L	2.0	1	8260	I	Uncertain due to quantitation below calibration range
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	95-50-1	1,2-Dichlorobenzene	8.0		ug/L	2.0	1	8260		
DW-011	0406096-10	AQ	06/16/2004		06/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	67-64-1	Acetone	5.0	UJ	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery + Low Calibration verification
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-012	0406096-11	AQ	06/16/2004		06/22/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	67-64-1	Acetone	5.0	UJ	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery + Low Calibration verification
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	75-09-2	Methylene chloride	1.5	J	ug/L	5.0	1	8260	I	Uncertain due to quantitation below calibration range
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-061604-02	0406096-12	AQ	06/16/2004		06/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	67-64-1	Acetone	5.0	UJ	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery + Low Calibration verification
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	75-09-2	Methylene chloride	1.6	J	ug/L	5.0	1	8260	I	Uncertain due to quantitation below calibration range
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillia' nnologies
Pownal Tannery Sup. .nd Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-061604-03	0406096-13	AQ	06/16/2004		06/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	108-95-2	Phenol	24		ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	111-44-4	bis(2-Chloroethyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	108-60-1	bis(2-chloroisopropyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	67-72-1	Hexachloroethane	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	98-95-3	Nitrobenzene	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	78-59-1	Isophorone	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	120-83-2	2,4-Dichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	91-20-3	Naphthalene	0.37	J	ug/L	0.50	1	8270	I	Uncertain due to quantitation below calibration range
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	88-06-2	2,4,6-Trichlorophenol	0.13	J	ug/L	0.50	1	8270	I	Uncertain due to quantitation below calibration range
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	84-66-2	Diethylphthalate	0.11	J	ug/L	0.50	1	8270	I	Uncertain due to quantitation below calibration range
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	86-73-7	Fluorene	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	1912-24-9	Atrazine	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	87-86-5	Pentachlorophenol	0.89	J	ug/L	1.0	1	8270	I	Uncertain due to quantitation below calibration range
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	120-12-7	Anthracene	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	84-74-2	Di-n-butylphthalate	0.66	U	ug/L	0.50	1	8270	H	Blank Action
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	206-44-0	Fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	129-00-0	Pyrene	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	56-55-3	Benz[a]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	218-01-9	Chrysene	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	205-99-2	Benzo[b]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	207-08-9	Benzo[k]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	50-32-8	Benzo[a]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-003	0406096-01	AQ	06/15/2004	06/21/2004	06/27/2004	53-70-3	Dibenz[a,h]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	108-95-2	Phenol	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	111-44-4	bis(2-Chloroethyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	108-60-1	bis(2-chloroisopropyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	67-72-1	Hexachloroethane	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	98-95-3	Nitrobenzene	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	78-59-1	Isophorone	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	120-83-2	2,4-Dichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	91-20-3	Naphthalene	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	88-06-2	2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	84-66-2	Diethylphthalate	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	86-73-7	Fluorene	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	1912-24-9	Atrazine	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	87-86-5	Pentachlorophenol	1.0	U	ug/L	1.0	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	120-12-7	Anthracene	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	84-74-2	Di-n-butylphthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	206-44-0	Fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	129-00-0	Pyrene	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	56-55-3	Benz[a]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	218-01-9	Chrysene	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.50	U	ug/L	0.50	1	8270		Blank Action

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	205-99-2	Benzo[b]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	207-08-9	Benzo[k]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	50-32-8	Benzo[a]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-004	0406096-02	AQ	06/15/2004	06/21/2004	06/27/2004	53-70-3	Dibenz[a,h]anthracene	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	108-95-2	Phenol	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	111-44-4	bis(2-Chloroethyl)ether	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	108-60-1	bis(2-chloroisopropyl)ether	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	67-72-1	Hexachloroethane	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	98-95-3	Nitrobenzene	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	78-59-1	Isophorone	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	120-83-2	2,4-Dichlorophenol	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	91-20-3	Naphthalene	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	88-06-2	2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	84-66-2	Diethylphthalate	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	86-73-7	Fluorene	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	1912-24-9	Atrazine	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	87-86-5	Pentachlorophenol	1.0	U	ug/L	1.0	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	120-12-7	Anthracene	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	84-74-2	Di-n-butylphthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	206-44-0	Fluoranthene	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	129-00-0	Pyrene	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	56-55-3	Benz[a]anthracene	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	218-01-9	Chrysene	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	205-99-2	Benzo[b]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	207-08-9	Benzo[k]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	50-32-8	Benzo[a]pyrene	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	1	8270		
DWE-004	0406096-03	AQ	06/15/2004	06/21/2004	06/27/2004	53-70-3	Dibenz[a,h]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	108-95-2	Phenol	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	111-44-4	bis(2-Chloroethyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	108-60-1	bis(2-chloroisopropyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	67-72-1	Hexachloroethane	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	98-95-3	Nitrobenzene	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	78-59-1	Isophorone	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	120-83-2	2,4-Dichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	91-20-3	Naphthalene	0.24	J	ug/L	0.50	1	8270	I	Uncertain due to quantitation below calibration range
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	88-06-2	2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	84-66-2	Diethylphthalate	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	86-73-7	Fluorene	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	1912-24-9	Atrazine	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	87-86-5	Pentachlorophenol	0.31	J	ug/L	1.0	1	8270	I	Uncertain due to quantitation below calibration range
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	120-12-7	Anthracene	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	84-74-2	Di-n-butylphthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	206-44-0	Fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	129-00-0	Pyrene	0.50	U	ug/L	0.50	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	56-55-3	Benz[a]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	218-01-9	Chrysene	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	205-99-2	Benzo[b]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	207-08-9	Benzo[k]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	50-32-8	Benzo[a]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-005	0406096-04	AQ	06/15/2004	06/21/2004	06/27/2004	53-70-3	Dibenz[a,h]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	108-95-2	Phenol	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	111-44-4	bis(2-Chloroethyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	108-60-1	bis(2-chloroisopropyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	67-72-1	Hexachloroethane	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	98-95-3	Nitrobenzene	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	78-59-1	Isophorone	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	120-83-2	2,4-Dichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	91-20-3	Naphthalene	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	88-06-2	2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	84-66-2	Diethylphthalate	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	86-73-7	Fluorene	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	1912-24-9	Atrazine	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	87-86-5	Pentachlorophenol	1.0	U	ug/L	1.0	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	120-12-7	Anthracene	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	84-74-2	Di-n-butylphthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	206-44-0	Fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	129-00-0	Pyrene	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	56-55-3	Benz[a]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	218-01-9	Chrysene	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	205-99-2	Benzo[b]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	207-08-9	Benzo[k]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	50-32-8	Benzo[a]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-006	0406096-05	AQ	06/15/2004	06/21/2004	06/27/2004	53-70-3	Dibenz[a,h]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	108-95-2	Phenol	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	111-44-4	bis(2-Chloroethyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	108-60-1	bis(2-chloroisopropyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	67-72-1	Hexachloroethane	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	98-95-3	Nitrobenzene	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	78-59-1	Isophorone	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	120-83-2	2,4-Dichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	91-20-3	Naphthalene	0.17	J	ug/L	0.50	1	8270	I	Uncertain due to quantitation below calibration range
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	88-06-2	2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	84-66-2	Diethylphthalate	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	86-73-7	Fluorene	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	1912-24-9	Atrazine	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	87-86-5	Pentachlorophenol	0.35	J	ug/L	1.0	1	8270	I	Uncertain due to quantitation below calibration range
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	120-12-7	Anthracene	0.50	U	ug/L	0.50	1	8270		

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	84-74-2	Di-n-butylphthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	206-44-0	Fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	129-00-0	Pyrene	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	56-55-3	Benz[a]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	218-01-9	Chrysene	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	205-99-2	Benzo[b]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	207-08-9	Benzo[k]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	50-32-8	Benzo[a]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-007	0406096-06	AQ	06/15/2004	06/21/2004	06/28/2004	53-70-3	Dibenz[a,h]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	108-95-2	Phenol	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	111-44-4	bis(2-Chloroethyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	108-60-1	bis(2-chloroisopropyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	67-72-1	Hexachloroethane	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	98-95-3	Nitrobenzene	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	78-59-1	Isophorone	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	120-83-2	2,4-Dichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	91-20-3	Naphthalene	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	88-06-2	2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	84-66-2	Diethylphthalate	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	86-73-7	Fluorene	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	1912-24-9	Atrazine	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	87-86-5	Pentachlorophenol	1.0	U	ug/L	1.0	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	120-12-7	Anthracene	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	84-74-2	Di-n-butylphthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	206-44-0	Fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	129-00-0	Pyrene	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	56-55-3	Benz[a]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	218-01-9	Chrysene	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	205-99-2	Benzo[b]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	207-08-9	Benzo[k]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	50-32-8	Benzo[a]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-008	0406096-07	AQ	06/15/2004	06/21/2004	06/28/2004	53-70-3	Dibenz[a,h]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	108-95-2	Phenol	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	111-44-4	bis(2-Chloroethyl)ether	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	108-60-1	bis(2-chloroisopropyl)ether	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	67-72-1	Hexachloroethane	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	98-95-3	Nitrobenzene	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	78-59-1	Isophorone	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	120-83-2	2,4-Dichlorophenol	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	91-20-3	Naphthalene	0.10	J	ug/L	0.52	1	8270	I	Uncertain due to quantitation below calibration range
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	88-06-2	2,4,6-Trichlorophenol	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	84-66-2	Diethylphthalate	0.17	J	ug/L	0.52	1	8270	I	Uncertain due to quantitation below calibration range
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	86-73-7	Fluorene	0.52	U	ug/L	0.52	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	1912-24-9	Atrazine	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	87-86-5	Pentachlorophenol	0.33	J	ug/L	1.0	1	8270	I	Uncertain due to quantitation below calibration range
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	120-12-7	Anthracene	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	84-74-2	Di-n-butylphthalate	0.52	U	ug/L	0.52	1	8270		Blank Action
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	206-44-0	Fluoranthene	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	129-00-0	Pyrene	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	56-55-3	Benz[a]anthracene	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	218-01-9	Chrysene	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.52	U	ug/L	0.52	1	8270		Blank Action
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	205-99-2	Benzo[b]fluoranthene	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	207-08-9	Benzo[k]fluoranthene	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	50-32-8	Benzo[a]pyrene	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.52	U	ug/L	0.52	1	8270		
DW-009	0406096-08	AQ	06/16/2004	06/21/2004	06/28/2004	53-70-3	Dibenz[a,h]anthracene	0.52	U	ug/L	0.52	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	108-95-2	Phenol	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	111-44-4	bis(2-Chloroethyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	108-60-1	bis(2-chloroisopropyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	67-72-1	Hexachloroethane	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	98-95-3	Nitrobenzene	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	78-59-1	Isophorone	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	120-83-2	2,4-Dichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	91-20-3	Naphthalene	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	88-06-2	2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	84-66-2	Diethylphthalate	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	86-73-7	Fluorene	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	1912-24-9	Atrazine	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	87-86-5	Pentachlorophenol	1.0	U	ug/L	1.0	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	120-12-7	Anthracene	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	84-74-2	Di-n-butylphthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	206-44-0	Fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	129-00-0	Pyrene	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	56-55-3	Benz[a]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	218-01-9	Chrysene	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	205-99-2	Benzo[b]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	207-08-9	Benzo[k]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	50-32-8	Benzo[a]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-010	0406096-09	AQ	06/16/2004	06/21/2004	06/28/2004	53-70-3	Dibenz[a,h]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	111-44-4	bis(2-Chloroethyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	108-60-1	bis(2-chloroisopropyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	67-72-1	Hexachloroethane	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	98-95-3	Nitrobenzene	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	78-59-1	Isophorone	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	120-83-2	2,4-Dichlorophenol	0.15	J	ug/L	0.50	1	8270	I	Uncertain due to quantitation below calibration range
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	91-20-3	Naphthalene	0.98		ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	88-06-2	2,4,6-Trichlorophenol	0.27	J	ug/L	0.50	1	8270	I	Uncertain due to quantitation below calibration range

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	84-66-2	Diethylphthalate	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	86-73-7	Fluorene	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	1912-24-9	Atrazine	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	87-86-5	Pentachlorophenol	2.2		ug/L	1.0	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	120-12-7	Anthracene	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	84-74-2	Di-n-butylphthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	206-44-0	Fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	129-00-0	Pyrene	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	56-55-3	Benz[a]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	218-01-9	Chrysene	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	205-99-2	Benzo[b]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	207-08-9	Benzo[k]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	50-32-8	Benzo[a]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/28/2004	53-70-3	Dibenz[a,h]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-011	0406096-10	AQ	06/16/2004	06/21/2004	06/30/2004	108-95-2	Phenol	110		ug/L	5.0	10	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	108-95-2	Phenol	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	111-44-4	bis(2-Chloroethyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	108-60-1	bis(2-chloroisopropyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	67-72-1	Hexachloroethane	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	98-95-3	Nitrobenzene	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	78-59-1	Isophorone	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	120-83-2	2,4-Dichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	91-20-3	Naphthalene	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	88-06-2	2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	84-66-2	Diethylphthalate	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	86-73-7	Fluorene	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	1912-24-9	Atrazine	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	87-86-5	Pentachlorophenol	1.0	U	ug/L	1.0	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	120-12-7	Anthracene	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	84-74-2	Di-n-butylphthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	206-44-0	Fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	129-00-0	Pyrene	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	56-55-3	Benz[a]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	218-01-9	Chrysene	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	205-99-2	Benzo[b]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	207-08-9	Benzo[k]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	50-32-8	Benzo[a]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-012	0406096-11	AQ	06/16/2004	06/21/2004	06/28/2004	53-70-3	Dibenz[a,h]anthracene	0.50	U	ug/L	0.50	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling -- 2004

Validated: 07/08/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	50	U	ug/L	50	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	56		ug/L	50	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	280		ug/L	50	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	63		ug/L	50	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	1500		ug/L	50	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	69		ug/L	50	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	250		ug/L	50	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	51		ug/L	50	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	1000		ug/L	50	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	57		ug/L	50	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7429-90-5	Aluminum	65		ug/L	50	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	2.5	U	ug/L	2.5	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	2.5	U	ug/L	2.5	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	2.5	U	ug/L	2.5	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	2.5	U	ug/L	2.5	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	2.5	U	ug/L	2.5	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	2.5	U	ug/L	2.5	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	2.5	U	ug/L	2.5	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	2.5	U	ug/L	2.5	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	3.8		ug/L	2.5	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	2.5	U	ug/L	2.5	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-38-2	Arsenic	2.5	U	ug/L	2.5	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	46		ug/L	0.50	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	68		ug/L	0.50	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	43		ug/L	0.50	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	67		ug/L	0.50	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	55		ug/L	0.50	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	62		ug/L	0.50	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	51		ug/L	0.50	5	6020A		

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SampID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	82		ug/L	0.50	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	54		ug/L	0.50	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	63		ug/L	0.50	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-39-3	Barium	75		ug/L	0.50	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.59		ug/L	0.50	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	13		ug/L	2.5	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	2.9		ug/L	2.5	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	45		ug/L	2.5	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	4.9		ug/L	2.5	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	300		ug/L	2.5	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	18		ug/L	2.5	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	120		ug/L	2.5	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	19		ug/L	2.5	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	300		ug/L	2.5	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	13		ug/L	2.5	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-47-3	Chromium	3.0		ug/L	2.5	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	3.5		ug/L	2.5	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	2.5	U	ug/L	2.5	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	3.5		ug/L	2.5	5	6020A		

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Maxymillian Technologies
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SamplID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	2.5	U	ug/L	2.5	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	7.4		ug/L	2.5	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	2.5	U	ug/L	2.5	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	2.8		ug/L	2.5	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	2.5	U	ug/L	2.5	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	7.9		ug/L	2.5	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	19		ug/L	2.5	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-50-8	Copper	2.5	U	ug/L	2.5	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/18/2004	06/18/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/18/2004	06/18/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/18/2004	06/18/2004		Cyanide, Total	0.005		mg/L	0.005	1	9014		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/18/2004	06/18/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/18/2004	06/18/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/18/2004	06/18/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/18/2004	06/18/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/18/2004	06/18/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/18/2004	06/18/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/18/2004	06/18/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/18/2004	06/18/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-89-6	Iron	660		ug/L	250	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-89-6	Iron	1400		ug/L	250	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-89-6	Iron	1100		ug/L	250	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-89-6	Iron	960		ug/L	250	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-89-6	Iron	3600		ug/L	250	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-89-6	Iron	840		ug/L	250	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-89-6	Iron	1500		ug/L	250	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-89-6	Iron	1100		ug/L	250	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-89-6	Iron	3700		ug/L	250	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-89-6	Iron	1000		ug/L	250	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-89-6	Iron	1400		ug/L	250	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	1.3		ug/L	0.50	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	0.76		ug/L	0.50	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	3.2		ug/L	0.50	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	1.0		ug/L	0.50	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	16		ug/L	0.50	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	1.3		ug/L	0.50	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	7.2		ug/L	0.50	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	2.1		ug/L	0.50	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	14		ug/L	0.50	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	9.0		ug/L	0.50	5	6020A		

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Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling -- 2004

Validated: 07/08/04
NEH, Inc.

SamplID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-92-1	Lead	0.50	U	ug/L	0.50	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	1300		ug/L	25	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	210		ug/L	25	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	640		ug/L	25	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	420		ug/L	25	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	690		ug/L	25	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	440		ug/L	25	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	2100		ug/L	25	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	1200		ug/L	25	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	2200		ug/L	25	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	780		ug/L	25	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-96-5	Manganese	180		ug/L	25	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	5.0	U	ug/L	5.0	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	5.0	U	ug/L	5.0	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	5.0	U	ug/L	5.0	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	5.0	U	ug/L	5.0	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	5.0	U	ug/L	5.0	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	7.0		ug/L	5.0	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	5.0	U	ug/L	5.0	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	5.0	U	ug/L	5.0	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	5.0	U	ug/L	5.0	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	5.0	U	ug/L	5.0	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-02-0	Nickel	5.0	U	ug/L	5.0	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect at estimated RL; J = Result is estimated; R = Result is rejected.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling -- 2004

SampID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	43000		ug/L	50	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	33000		ug/L	50	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	44000		ug/L	50	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	44000		ug/L	50	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	46000		ug/L	50	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	41000		ug/L	50	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	49000		ug/L	50	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	43000		ug/L	50	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	56000		ug/L	50	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	51000		ug/L	50	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-23-5	Sodium	36000		ug/L	50	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.50		ug/L	0.50	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DW-003	0406096-01	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		
DW-004	0406096-02	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling -- 2004

Validated: 07/08/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-005	0406096-04	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		
DW-006	0406096-05	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		
DW-007	0406096-06	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		
DW-008	0406096-07	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		
DW-009	0406096-08	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		
DW-010	0406096-09	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		
DW-011	0406096-10	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		
DW-012	0406096-11	AQ	06/16/2004	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		
DWE-004	0406096-03	AQ	06/15/2004	06/17/2004	06/21/2004	06/22/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect at estimated RL; J = Result is estimated; R = Result is rejected.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

Validated: revised 7/30/04
NEH, Inc.

SamplD	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-013	105784409	AQ	6/24/2004	6/29/2004	7/2/2004	1746-01-6	2,3,7,8-TCDD	0.0054	J	ng/L	0.0031	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
DW-014	105784417	AQ.	6/24/2004	6/29/2004	7/2/2004	1746-01-6	2,3,7,8-TCDD	0.0023	UJ	ng/L	0.0023	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
DWE-014	105784425	AQ	6/24/2004	6/29/2004	7/2/2004	1746-01-6	2,3,7,8-TCDD	0.0022	UJ	ng/L	0.0022	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/07/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/07/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/07/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/07/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/07/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/07/2004	26601-64-9	Hexachlorobiphenyls	4.3		ng/L	1.0	1	680		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/07/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/07/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/07/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/07/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/07/2004		Total Homologs	4.3		ng/L	1.0	1	680		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/07/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/07/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/07/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/07/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/07/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/07/2004	26601-64-9	Hexachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/07/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/07/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/07/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/07/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/07/2004		Total Homologs	1.0	U	ng/L	1.0	1	680		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/07/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/07/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/07/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/07/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/07/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/07/2004	26601-64-9	Hexachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/07/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/07/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/07/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/07/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/07/2004		Total Homologs	1.0	U	ng/L	1.0	1	680		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	67-64-1	Acetone	64	J	ug/L	5.0	1	8260	L	Low Calibration verification
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	78-93-3	2-Butanone (MEK)	20		ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	108-10-1	Methyl isobutyl ketone (MIBK)	1.2	J	ug/L	2.0	1	8260	I	Uncertain due to quantitation below calibration range
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	108-88-3	Toluene	1.4	J	ug/L	2.0	1	8260	I	Uncertain due to quantitation below calibration range
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	100-41-4	Ethylbenzene	3.1		ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	1330-20-7	Xylenes, Total	22		ug/L	6.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	106-46-7	1,4-Dichlorobenzene	2.9		ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	95-50-1	1,2-Dichlorobenzene	20		ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004		06/28/2004	120-82-1	1,2,4-Trichlorobenzene	1.9	J	ug/L	2.0	1	8260	I	Uncertain due to quantitation below calibration range
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	67-64-1	Acetone	6.4		ug/L	5.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-014	0406142-02	AQ	06/24/2004		06/29/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	67-64-1	Acetone	4.5	J	ug/L	5.0	1	8260	I	Uncertain due to quantitation below calibration range + Low Calibration verification
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DWE-014	0406142-03	AQ	06/24/2004		06/28/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	67-64-1	Acetone	5.0	UJ	ug/L	5.0	1	8260	L	Low Calibration verification
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		Blank Action
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-062404-01	0406142-04	AQ	06/24/2004		06/28/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	108-95-2	Phenol	730		ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	111-44-4	bis(2-Chloroethyl)ether	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	108-60-1	bis(2-chloroisopropyl)ether	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	67-72-1	Hexachloroethane	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	98-95-3	Nitrobenzene	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	78-59-1	Isophorone	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	120-83-2	2,4-Dichlorophenol	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	91-20-3	Naphthalene	21	J	ug/L	26	50	8270	I	Uncertain due to quantitation below calibration range
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	88-06-2	2,4,6-Trichlorophenol	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	84-66-2	Diethylphthalate	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	86-73-7	Fluorene	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	1912-24-9	Atrazine	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	87-86-5	Pentachlorophenol	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	120-12-7	Anthracene	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	84-74-2	Di-n-butylphthalate	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	206-44-0	Fluoranthene	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	129-00-0	Pyrene	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	56-55-3	Benz[a]anthracene	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	218-01-9	Chrysene	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	117-81-7	bis(2-Ethylhexyl)phthalate	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	205-99-2	Benzo[b]fluoranthene	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	207-08-9	Benzo[k]fluoranthene	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	50-32-8	Benzo[a]pyrene	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	193-39-5	Indeno[1,2,3-cd]pyrene	26	U	ug/L	26	50	8270		
DW-013	0406142-01	AQ	06/24/2004	06/28/2004	07/13/2004	53-70-3	Dibenz[a,h]anthracene	26	U	ug/L	26	50	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	108-95-2	Phenol	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	111-44-4	bis(2-Chloroethyl)ether	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	108-60-1	bis(2-chloroisopropyl)ether	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	67-72-1	Hexachloroethane	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	98-95-3	Nitrobenzene	0.52	U	ug/L	0.52	1	8270		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SamplID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	78-59-1	Isophorone	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	120-83-2	2,4-Dichlorophenol	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	91-20-3	Naphthalene	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	88-06-2	2,4,6-Trichlorophenol	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	84-66-2	Diethylphthalate	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	86-73-7	Fluorene	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	1912-24-9	Atrazine	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	87-86-5	Pentachlorophenol	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	120-12-7	Anthracene	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	84-74-2	Di-n-butylphthalate	0.52	U	ug/L	0.52	1	8270		Blank Action
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	206-44-0	Fluoranthene	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	129-00-0	Pyrene	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	56-55-3	Benz(a)anthracene	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	218-01-9	Chrysene	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	205-99-2	Benzo(b)fluoranthene	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	207-08-9	Benzo(k)fluoranthene	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	50-32-8	Benzo(a)pyrene	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	193-39-5	Indeno(1,2,3-cd)pyrene	0.52	U	ug/L	0.52	1	8270		
DW-014	0406142-02	AQ	06/24/2004	06/28/2004	07/13/2004	53-70-3	Dibenz(a,h)anthracene	0.52	U	ug/L	0.52	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	108-95-2	Phenol	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	111-44-4	bis(2-Chloroethyl)ether	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	108-60-1	bis(2-chloroisopropyl)ether	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	67-72-1	Hexachloroethane	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	98-95-3	Nitrobenzene	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	78-59-1	Isophorone	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	120-83-2	2,4-Dichlorophenol	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	91-20-3	Naphthalene	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	88-06-2	2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	84-66-2	Diethylphthalate	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	86-73-7	Fluorene	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	1912-24-9	Atrazine	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	87-86-5	Pentachlorophenol	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	120-12-7	Anthracene	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	84-74-2	Di-n-butylphthalate	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	206-44-0	Fluoranthene	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	129-00-0	Pyrene	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	56-55-3	Benz(a)anthracene	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	218-01-9	Chrysene	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	205-99-2	Benzo(b)fluoranthene	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	207-08-9	Benzo(k)fluoranthene	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	50-32-8	Benzo(a)pyrene	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	193-39-5	Indeno(1,2,3-cd)pyrene	0.50	U	ug/L	0.50	1	8270		
DWE-014	0406142-03	AQ	06/24/2004	06/28/2004	07/13/2004	53-70-3	Dibenz(a,h)anthracene	0.50	U	ug/L	0.50	1	8270		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling -- 2004

Validated: 07/12/04
NEH, Inc.

SamplD	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7429-90-5	Aluminum	2500		ug/L	50	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7429-90-5	Aluminum	50	U	ug/L	50	5	6020A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7429-90-5	Aluminum	50	U	ug/L	50	5	6020A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-38-2	Arsenic	12		ug/L	5.0	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-38-2	Arsenic	5.0	U	ug/L	5.0	5	6020A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-38-2	Arsenic	5.0	U	ug/L	5.0	5	6020A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-39-3	Barium	93		ug/L	0.50	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-39-3	Barium	73		ug/L	0.50	5	6020A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-39-3	Barium	70		ug/L	0.50	5	6020A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-43-9	Cadmium	1.0		ug/L	0.50	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-47-3	Chromium	1100	J	ug/L	2.5	5	6020A	I	MD Imprecision
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-47-3	Chromium	6.2	J	ug/L	2.5	5	6020A	I	MD Imprecision
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-47-3	Chromium	7.6	J	ug/L	2.5	5	6020A	I	MD imprecision
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-50-8	Copper	13		ug/L	2.5	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-50-8	Copper	2.5	U	ug/L	2.5	5	6020A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-50-8	Copper	2.5	U	ug/L	2.5	5	6020A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/29/2004	06/29/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/29/2004	06/29/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/29/2004	06/29/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7439-89-6	Iron	6800		ug/L	250	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7439-89-6	Iron	2300		ug/L	250	5	6020A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7439-89-6	Iron	2200		ug/L	250	5	6020A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7439-92-1	Lead	27		ug/L	6.0	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7439-92-1	Lead	6.0	U	ug/L	6.0	5	6020A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7439-92-1	Lead	6.0	U	ug/L	6.0	5	6020A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7439-96-5	Manganese	2100		ug/L	40	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7439-96-5	Manganese	2100		ug/L	40	5	6020A		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling -- 2004

Validated: 07/12/04
NEH, Inc.

SamplD	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7439-96-5	Manganese	2100		ug/L	40	5	6020A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7439-97-6	Mercury	0.44		ug/L	0.20	1	7470A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-02-0	Nickel	34		ug/L	2.5	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-02-0	Nickel	8.5		ug/L	2.5	5	6020A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-02-0	Nickel	8.3		ug/L	2.5	5	6020A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-23-5	Sodium	140000		ug/L	120	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-23-5	Sodium	71000		ug/L	120	5	6020A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-23-5	Sodium	63000		ug/L	120	5	6020A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DW-013	0406142-01	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-66-6	Zinc	60	U	ug/L	60	5	6020A		
DW-014	0406142-02	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-66-6	Zinc	60	U	ug/L	60	5	6020A		
DWE-014	0406142-03	AQ	06/24/2004	06/25/2004	06/28/2004	06/28/2004	7440-66-6	Zinc	60	U	ug/L	60	5	6020A		

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Maxymillian [illegible]nologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	26601-64-9	Hexachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004		Total Homologs	1.0	U	ng/L	1.0	1	680		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	26601-64-9	Hexachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004		Total Homologs	1.0	U	ng/L	1.0	1	680		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	67-64-1	Acetone	10	J	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery & Low Calibration Verification
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		

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Maxymillian Technologies
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SamplID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	108-90-7	Chlorobenzene	2.7		ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	106-46-7	1,4-Dichlorobenzene	1.5	J	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	95-50-1	1,2-Dichlorobenzene	5.2		ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004		07/07/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	67-64-1	Acetone	4.3	J	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery & Low Calibration Verification
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-016	0407005-02	AQ	07/01/2004		07/07/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	67-64-1	Acetone	5.0	UJ	ug/L	5.0	1	8260	L	Low LCS/LCSD recovery & Low Calibration Verification
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	75-09-2	Methylene chloride	1.3	J	ug/L	5.0	1	8260		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SamplID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-070104-01	0407005-03	AQ	07/01/2004		07/07/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	108-95-2	Phenol	65		ug/L	5.0	10	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	111-44-4	bis(2-Chloroethyl)ether	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	108-60-1	bis(2-chloroisopropyl)ether	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	67-72-1	Hexachloroethane	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	98-95-3	Nitrobenzene	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	78-59-1	Isophorone	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	120-83-2	2,4-Dichlorophenol	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	91-20-3	Naphthalene	2.4		ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	88-06-2	2,4,6-Trichlorophenol	1.3		ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	84-66-2	Diethylphthalate	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	86-73-7	Fluorene	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	1912-24-9	Atrazine	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	87-86-5	Pentachlorophenol	13		ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	120-12-7	Anthracene	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	84-74-2	Di-n-butylphthalate	0.23	J	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	206-44-0	Fluoranthene	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	129-00-0	Pyrene	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	56-55-3	Benz[a]anthracene	0.51	U	ug/L	0.51	1	8270		

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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	218-01-9	Chrysene	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.51	U	ug/L	0.51	1	8270		Blank Action
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	205-99-2	Benzo[b]fluoranthene	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	207-08-9	Benzo[k]fluoranthene	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	50-32-8	Benzo[a]pyrene	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.51	U	ug/L	0.51	1	8270		
DW-015	0407005-01	AQ	07/01/2004	07/06/2004	07/14/2004	53-70-3	Dibenz[a,h]anthracene	0.51	U	ug/L	0.51	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	108-95-2	Phenol	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	111-44-4	bis(2-Chloroethyl)ether	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	108-60-1	bis(2-chloroisopropyl)ether	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	67-72-1	Hexachloroethane	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	98-95-3	Nitrobenzene	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	78-59-1	Isophorone	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	120-83-2	2,4-Dichlorophenol	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	91-20-3	Naphthalene	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	88-06-2	2,4,6-Trichlorophenol	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	84-66-2	Diethylphthalate	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	86-73-7	Fluorene	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	1912-24-9	Atrazine	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	87-86-5	Pentachlorophenol	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	120-12-7	Anthracene	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	84-74-2	Di-n-butylphthalate	0.22	J	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	206-44-0	Fluoranthene	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	129-00-0	Pyrene	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	56-55-3	Benz[a]anthracene	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	218-01-9	Chrysene	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.52	U	ug/L	0.52	1	8270		Blank Action
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	205-99-2	Benzo[b]fluoranthene	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	207-08-9	Benzo[k]fluoranthene	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	50-32-8	Benzo[a]pyrene	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.52	U	ug/L	0.52	1	8270		
DW-016	0407005-02	AQ	07/01/2004	07/06/2004	07/14/2004	53-70-3	Dibenz[a,h]anthracene	0.52	U	ug/L	0.52	1	8270		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

Validated: 7/29/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-015	105809099	AQ	7/1/2004	7/7/2004	7/10/2004	1746-01-6	2,3,7,8-TCDD	0.0051	UJ	ng/L	0.0051	1	SW-8290	I	Low Cleanup Standard Recovery and Result = Estimated Detection Limit (EDL); EDL uncertain
DW-016	105809107	AQ	7/1/2004	7/7/2004	7/10/2004	1746-01-6	2,3,7,8-TCDD	0.0024	UJ	ng/L	0.0024	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling -- 2004

Validated: 07/27/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7429-90-5	Aluminum	1400		ug/L	50	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7429-90-5	Aluminum	50	U	ug/L	50	5	6020A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7440-36-0	Antimony	7.2		ug/L	5.0	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7440-36-0	Antimony	5.0	U	ug/L	5.0	5	6020A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7440-38-2	Arsenic	5.0		ug/L	0.50	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7440-38-2	Arsenic	3.9		ug/L	0.50	5	6020A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7440-39-3	Barium	81		ug/L	0.50	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7440-39-3	Barium	62		ug/L	0.50	5	6020A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7440-47-3	Chromium	66		ug/L	2.5	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7440-47-3	Chromium	2.5	U	ug/L	2.5	5	6020A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7440-50-8	Copper	290		ug/L	2.5	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7440-50-8	Copper	2.5	U	ug/L	2.5	5	6020A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004		Cyanide, Total	0.009		mg/L	0.005	1	9014		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7439-89-6	Iron	4400		ug/L	250	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7439-89-6	Iron	3800		ug/L	250	5	6020A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7439-92-1	Lead	13		ug/L	0.50	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7439-92-1	Lead	0.50	U	ug/L	0.50	5	6020A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7439-96-5	Manganese	4100		ug/L	25	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7439-96-5	Manganese	1900		ug/L	25	5	6020A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/08/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7440-02-0	Nickel	8.2		ug/L	2.5	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7440-02-0	Nickel	6.7		ug/L	2.5	5	6020A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7782-49-2	Selenium	10	U	ug/L	10	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7782-49-2	Selenium	10	U	ug/L	10	5	6020A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7440-23-5	Sodium	35000		ug/L	75	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7440-23-5	Sodium	58000		ug/L	75	5	6020A		
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7440-28-0	Thallium	1.0	U	ug/L	1.0	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7440-28-0	Thallium	1.0	U	ug/L	1.0	5	6020A		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling -- 2004

Validated: 07/27/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-015	0407005-01	AQ	07/01/2004	07/07/2004	07/07/2004	7440-66-6	Zinc	220		ug/L	50	5	6020A		
DW-016	0407005-02	AQ	07/01/2004	07/07/2004	07/07/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		

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Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

Pownal Tannery S[illegible]und Site, Pownal, VT
Discharge Wa[illegible] Sampling - 2004

[illegible], Inc.

SamplID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/24/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/24/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/24/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/24/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/24/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/24/2004	26601-64-9	Hexachlorobiphenyls	2.4		ng/L	1.0	1	680		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/24/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/24/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/24/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/24/2004	2051-24-3	Decachlorobiphenyl	1.0	UJ	ng/L	1.0	1	680	L	Low Calibration Verification
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/24/2004		Total Homologs	2.4		ng/L	1.0	1	680		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/24/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/24/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/24/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/24/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/24/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/24/2004	26601-64-9	Hexachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/24/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/24/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/24/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/24/2004	2051-24-3	Decachlorobiphenyl	1.0	UJ	ng/L	1.0	1	680	L	Low Calibration Verification
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/24/2004		Total Homologs	1.0	U	ng/L	1.0	1	680		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	67-64-1	Acetone	11		ug/L	5.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	1.1	J	ug/L	2.0	1	8260	I	Result uncertain below the calibration range
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	108-90-7	Chlorobenzene	2.5		ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	106-46-7	1,4-Dichlorobenzene	1.3	J	ug/L	2.0	1	8260	I	Result uncertain below the calibration range
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	95-50-1	1,2-Dichlorobenzene	5.1		ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004		07/09/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	67-64-1	Acetone	10		ug/L	5.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-018	0407024-02	AQ	07/07/2004		07/09/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	108-95-2	Phenol	23		ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	111-44-4	bis(2-Chloroethyl)ether	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	108-60-1	bis(2-chloroisopropyl)ether	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	67-72-1	Hexachloroethane	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	98-95-3	Nitrobenzene	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	78-59-1	Isophorone	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	120-83-2	2,4-Dichlorophenol	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	91-20-3	Naphthalene	2.8		ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	88-06-2	2,4,6-Trichlorophenol	0.69		ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	84-66-2	Diethylphthalate	0.53	U	ug/L	0.53	1	8270		

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SamplD	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	86-73-7	Fluorene	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	1912-24-9	Atrazine	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	87-86-5	Pentachlorophenol	8.3		ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	120-12-7	Anthracene	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	84-74-2	Di-n-butylphthalate	0.16	J	ug/L	0.53	1	8270	I	Result uncertain below the calibration range
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	206-44-0	Fluoranthene	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	129-00-0	Pyrene	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	56-55-3	Benz[a]anthracene	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	218-01-9	Chrysene	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.53	U	ug/L	0.53	1	8270		Blank Action
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	205-99-2	Benzo[b]fluoranthene	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	207-08-9	Benzo[k]fluoranthene	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	50-32-8	Benzo[a]pyrene	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.53	U	ug/L	0.53	1	8270		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/15/2004	53-70-3	Dibenz[a,h]anthracene	0.53	U	ug/L	0.53	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	108-95-2	Phenol	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	111-44-4	bis(2-Chloroethyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	108-60-1	bis(2-chloroisopropyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	67-72-1	Hexachloroethane	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	98-95-3	Nitrobenzene	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	78-59-1	Isophorone	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	120-83-2	2,4-Dichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	91-20-3	Naphthalene	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	88-06-2	2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	84-66-2	Diethylphthalate	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	86-73-7	Fluorene	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	1912-24-9	Atrazine	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	87-86-5	Pentachlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	120-12-7	Anthracene	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	84-74-2	Di-n-butylphthalate	0.19	J	ug/L	0.50	1	8270	I	Result uncertain below the calibration range
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	206-44-0	Fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	129-00-0	Pyrene	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	56-55-3	Benz[a]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	218-01-9	Chrysene	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	205-99-2	Benzo[b]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	207-08-9	Benzo[k]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	50-32-8	Benzo[a]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/15/2004	53-70-3	Dibenz[a,h]anthracene	0.50	U	ug/L	0.50	1	8270		

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Maxymill[illegible]chnologies
Pownal Tannery Su[illegible]fund Site, Pownal, VT
Discharge Water Sampling - 2004

Valida' [illegible]3/13/04
[illegible]H, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-017	105821599	AQ	7/7/2004	7/13/2004	7/16/2004	1746-01-6	2,3,7,8-TCDD	0.0039	UJ	ng/L	0.0039	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
DW-018	105821607	AQ	7/7/2004	7/13/2004	7/16/2004	1746-01-6	2,3,7,8-TCDD	0.013	UJ	ng/L	0.013	1	SW-8290	I	Low IS recovery & Result = Estimated Detection Limit (EDL); EDL uncertain

U = Non-detect at "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
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Validated: 07/28/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7429-90-5	Aluminum	610	J	ug/L	50	5	6020A	I	MD Imprecision
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7429-90-5	Aluminum	50	UJ	ug/L	50	5	6020A	I	MD Imprecision
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7440-36-0	Antimony	10	U	ug/L	10	5	6020A		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7440-38-2	Arsenic	4.8		ug/L	1.0	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7440-38-2	Arsenic	1.1		ug/L	1.0	5	6020A		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7440-39-3	Barium	89		ug/L	1.0	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7440-39-3	Barium	58		ug/L	1.0	5	6020A		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7440-47-3	Chromium	160		ug/L	2.5	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7440-47-3	Chromium	4.0		ug/L	2.5	5	6020A		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7440-50-8	Copper	560		ug/L	2.5	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7440-50-8	Copper	2.5	U	ug/L	2.5	5	6020A		
DW-017	0407024-01	AQ	07/07/2004	07/09/2004	07/09/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-018	0407024-02	AQ	07/07/2004	07/09/2004	07/09/2004		Cyanide, Total	0.007		mg/L	0.005	1	9014		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7439-89-6	Iron	2900		ug/L	250	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7439-89-6	Iron	1700		ug/L	250	5	6020A		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7439-92-1	Lead	84		ug/L	0.50	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7439-92-1	Lead	0.50	U	ug/L	0.50	5	6020A		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7439-96-5	Manganese	3800		ug/L	25	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7439-96-5	Manganese	2000		ug/L	25	5	6020A		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7440-02-0	Nickel	10	U	ug/L	10	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7440-02-0	Nickel	10	U	ug/L	10	5	6020A		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7440-22-4	Silver	2.5	U	ug/L	2.5	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7440-22-4	Silver	2.5	U	ug/L	2.5	5	6020A		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7440-23-5	Sodium	49000		ug/L	50	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7440-23-5	Sodium	49000		ug/L	50	5	6020A		
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
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Validated: 07/28/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-017	0407024-01	AQ	07/07/2004	07/12/2004	07/13/2004	7440-66-6	Zinc	410		ug/L	50	5	6020A		
DW-018	0407024-02	AQ	07/07/2004	07/12/2004	07/13/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-019	0407034-01	AQ	07/09/2004	07/16/2004	07/24/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-019	0407034-01	AQ	07/09/2004	07/16/2004	07/24/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-019	0407034-01	AQ	07/09/2004	07/16/2004	07/24/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-019	0407034-01	AQ	07/09/2004	07/16/2004	07/24/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-019	0407034-01	AQ	07/09/2004	07/16/2004	07/24/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-019	0407034-01	AQ	07/09/2004	07/16/2004	07/24/2004	26601-64-9	Hexachlorobiphenyls	2.7		ng/L	1.0	1	680		
DW-019	0407034-01	AQ	07/09/2004	07/16/2004	07/24/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-019	0407034-01	AQ	07/09/2004	07/16/2004	07/24/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-019	0407034-01	AQ	07/09/2004	07/16/2004	07/24/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-019	0407034-01	AQ	07/09/2004	07/16/2004	07/24/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-019	0407034-01	AQ	07/09/2004	07/16/2004	07/24/2004		Total Homologs	2.7		ng/L	1.0	1	680		
DW-020	0407034-02	AQ	07/09/2004	07/16/2004	07/24/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-020	0407034-02	AQ	07/09/2004	07/16/2004	07/24/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-020	0407034-02	AQ	07/09/2004	07/16/2004	07/24/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-020	0407034-02	AQ	07/09/2004	07/16/2004	07/24/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-020	0407034-02	AQ	07/09/2004	07/16/2004	07/24/2004	25429-29-2	Pentachlorobiphenyls	1.0	UJ	ng/L	1.0	1	680	I	FD Imprecision
DW-020	0407034-02	AQ	07/09/2004	07/16/2004	07/24/2004	26601-64-9	Hexachlorobiphenyls	1.0	UJ	ng/L	1.0	1	680	I	FD Imprecision
DW-020	0407034-02	AQ	07/09/2004	07/16/2004	07/24/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-020	0407034-02	AQ	07/09/2004	07/16/2004	07/24/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-020	0407034-02	AQ	07/09/2004	07/16/2004	07/24/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-020	0407034-02	AQ	07/09/2004	07/16/2004	07/24/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-020	0407034-02	AQ	07/09/2004	07/16/2004	07/24/2004		Total Homologs	1.0	UJ	ng/L	1.0	1	680	I	FD Imprecision
DWE-020	0407034-03	AQ	07/09/2004	07/16/2004	07/24/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-020	0407034-03	AQ	07/09/2004	07/16/2004	07/24/2004	25512-42-9	Dichlorobiphenyls	1.8		ng/L	1.0	1	680		
DWE-020	0407034-03	AQ	07/09/2004	07/16/2004	07/24/2004	25323-68-6	Trichlorobiphenyls	1.7		ng/L	1.0	1	680		
DWE-020	0407034-03	AQ	07/09/2004	07/16/2004	07/24/2004	26914-33-0	Tetrachlorobiphenyls	1.8		ng/L	1.0	1	680		
DWE-020	0407034-03	AQ	07/09/2004	07/16/2004	07/24/2004	25429-29-2	Pentachlorobiphenyls	2.0	J	ng/L	1.0	1	680	I	FD Imprecision
DWE-020	0407034-03	AQ	07/09/2004	07/16/2004	07/24/2004	26601-64-9	Hexachlorobiphenyls	3.1	J	ng/L	1.0	1	680	I	FD Imprecision
DWE-020	0407034-03	AQ	07/09/2004	07/16/2004	07/24/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-020	0407034-03	AQ	07/09/2004	07/16/2004	07/24/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-020	0407034-03	AQ	07/09/2004	07/16/2004	07/24/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DWE-020	0407034-03	AQ	07/09/2004	07/16/2004	07/24/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DWE-020	0407034-03	AQ	07/09/2004	07/16/2004	07/24/2004		Total Homologs	11	J	ng/L	1.0	1	680	I	FD Imprecision
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	67-64-1	Acetone	18		ug/L	5.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	78-93-3	2-Butanone (MEK)	3.5		ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	95-50-1	1,2-Dichlorobenzene	1.4	J	ug/L	2.0	1	8260	I	Result uncertain below the calibration range
DW-019	0407034-01	AQ	07/09/2004		07/14/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	67-64-1	Acetone	20		ug/L	5.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-020	0407034-02	AQ	07/09/2004		07/14/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	67-64-1	Acetone	20		ug/L	5.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DWE-020	0407034-03	AQ	07/09/2004		07/14/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	67-64-1	Acetone	5.0	U	ug/L	5.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SamplID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	75-25-2	Bromoform	1.2	J	ug/L	2.0	1	8260	I	Result uncertain below the calibration range
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-070904-01	0407034-04	AQ	07/09/2004		07/14/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	108-95-2	Phenol	24		ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	111-44-4	bis(2-Chloroethyl)ether	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	108-60-1	bis(2-chloroisopropyl)ether	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	67-72-1	Hexachloroethane	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	98-95-3	Nitrobenzene	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	78-59-1	Isophorone	0.31	J	ug/L	0.53	1	8270	I	Result uncertain below the calibration range
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	120-83-2	2,4-Dichlorophenol	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	91-20-3	Naphthalene	0.77		ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	88-06-2	2,4,6-Trichlorophenol	0.79		ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	84-66-2	Diethylphthalate	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	86-73-7	Fluorene	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	1912-24-9	Atrazine	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	87-86-5	Pentachlorophenol	3.4		ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	120-12-7	Anthracene	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	84-74-2	Di-n-butylphthalate	0.53	U	ug/L	0.53	1	8270		Blank Action
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	206-44-0	Fluoranthene	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	129-00-0	Pyrene	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	56-55-3	Benz[a]anthracene	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	218-01-9	Chrysene	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.73	U	ug/L	0.53	1	8270		Blank Action
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	205-99-2	Benzo[b]fluoranthene	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	207-08-9	Benzo[k]fluoranthene	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	50-32-8	Benzo[a]pyrene	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	193-39-5	Indeno(1,2,3-cd)pyrene	0.53	U	ug/L	0.53	1	8270		
DW-019	0407034-01	AQ	07/09/2004	07/15/2004	07/23/2004	53-70-3	Dibenz[a,h]anthracene	0.53	U	ug/L	0.53	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	108-95-2	Phenol	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	111-44-4	bis(2-Chloroethyl)ether	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	108-60-1	bis(2-chloroisopropyl)ether	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	67-72-1	Hexachloroethane	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	98-95-3	Nitrobenzene	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	78-59-1	Isophorone	0.52	U	ug/L	0.52	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias; L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	120-83-2	2,4-Dichlorophenol	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	91-20-3	Naphthalene	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	88-06-2	2,4,6-Trichlorophenol	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	84-66-2	Diethylphthalate	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	86-73-7	Fluorene	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	1912-24-9	Atrazine	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	87-86-5	Pentachlorophenol	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	120-12-7	Anthracene	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	84-74-2	Di-n-butylphthalate	0.52	U	ug/L	0.52	1	8270		Blank Action
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	206-44-0	Fluoranthene	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	129-00-0	Pyrene	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	56-55-3	Benz(a)anthracene	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	218-01-9	Chrysene	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.52	U	ug/L	0.52	1	8270		Blank Action
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	205-99-2	Benzo[b]fluoranthene	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	207-08-9	Benzo[k]fluoranthene	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	50-32-8	Benzo[a]pyrene	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.52	U	ug/L	0.52	1	8270		
DW-020	0407034-02	AQ	07/09/2004	07/15/2004	07/23/2004	53-70-3	Dibenz[a,h]anthracene	0.52	U	ug/L	0.52	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	108-95-2	Phenol	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	111-44-4	bis(2-Chloroethyl)ether	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	108-60-1	bis(2-chloroisopropyl)ether	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	67-72-1	Hexachloroethane	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	98-95-3	Nitrobenzene	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	78-59-1	Isophorone	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	120-83-2	2,4-Dichlorophenol	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	91-20-3	Naphthalene	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	88-06-2	2,4,6-Trichlorophenol	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	84-66-2	Diethylphthalate	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	86-73-7	Fluorene	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	1912-24-9	Atrazine	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	87-86-5	Pentachlorophenol	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	120-12-7	Anthracene	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	84-74-2	Di-n-butylphthalate	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	206-44-0	Fluoranthene	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	129-00-0	Pyrene	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	56-55-3	Benz(a)anthracene	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	218-01-9	Chrysene	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.57	U	ug/L	0.51	1	8270		Blank Action
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	205-99-2	Benzo[b]fluoranthene	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	207-08-9	Benzo[k]fluoranthene	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	50-32-8	Benzo[a]pyrene	0.51	U	ug/L	0.51	1	8270		
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.51	U	ug/L	0.51	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DWE-020	0407034-03	AQ	07/09/2004	07/15/2004	07/23/2004	53-70-3	Dibenz[a,h]anthracene	0.51	U	ug/L	0.51	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillia... echnologies
Pownal Tannery Superfund Site, Pownal, VT
Dicharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-019	105831507	AQ	7/9/2004	7/19/2004	7/21/2004	1746-01-6	2,3,7,8-TCDD	0.0021	UJ	ng/L	0.0021	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
DW-020	105831515	AQ	7/9/2004	7/19/2004	7/21/2004	1746-01-6	2,3,7,8-TCDD	0.002	UJ	ng/L	0.002	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
DWE-020	105831523	AQ	7/9/2004	7/19/2004	7/21/2004	1746-01-6	2,3,7,8-TCDD	0.0021	UJ	ng/L	0.0021	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water -- 2004

Validated: 07/29/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	MDL	DilFact	AnalMeth	Bias	DV_Comment
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7429-90-5	Aluminum	3400		ug/L	50	1.5	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7429-90-5	Aluminum	160		ug/L	50	1.5	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7429-90-5	Aluminum	160		ug/L	50	1.5	5	6020A		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-36-0	Antimony	3.4		ug/L	2.5	0.015	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-36-0	Antimony	2.5	U	ug/L	2.5	0.015	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-36-0	Antimony	2.7		ug/L	2.5	0.015	5	6020A		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-38-2	Arsenic	7.7		ug/L	2.5	0.064	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-38-2	Arsenic	2.6		ug/L	2.5	0.064	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-38-2	Arsenic	2.5	U	ug/L	2.5	0.064	5	6020A		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-39-3	Barium	190		ug/L	0.50	0.070	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-39-3	Barium	63		ug/L	0.50	0.070	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-39-3	Barium	60		ug/L	0.50	0.070	5	6020A		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	0.098	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	0.098	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	0.098	5	6020A		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-43-9	Cadmium	0.65		ug/L	0.50	0.049	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	0.049	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	0.049	5	6020A		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-47-3	Chromium	300		ug/L	2.5	0.089	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-47-3	Chromium	2.5	U	ug/L	2.5	0.089	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-47-3	Chromium	2.5	U	ug/L	2.5	0.089	5	6020A		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-50-8	Copper	17		ug/L	2.5	0.083	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-50-8	Copper	2.5	U	ug/L	2.5	0.083	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-50-8	Copper	4.8		ug/L	2.5	0.083	5	6020A		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/14/2004		Cyanide, Total	0.005	U	mg/L	0.005	0.003	1	9014		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/14/2004		Cyanide, Total	0.005	U	mg/L	0.005	0.003	1	9014		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/14/2004		Cyanide, Total	0.005	U	mg/L	0.005	0.003	1	9014		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7439-89-6	Iron	9000		ug/L	250	9.2	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7439-89-6	Iron	1100		ug/L	250	9.2	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7439-89-6	Iron	1100		ug/L	250	9.2	5	6020A		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7439-92-1	Lead	16		ug/L	0.50	0.056	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7439-92-1	Lead	0.77		ug/L	0.50	0.056	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7439-92-1	Lead	1.5		ug/L	0.50	0.056	5	6020A		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7439-96-5	Manganese	2200		ug/L	25	2.0	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7439-96-5	Manganese	1100		ug/L	25	2.0	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7439-96-5	Manganese	1100		ug/L	25	2.0	5	6020A		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water -- 2004

Validated: 07/29/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateRecd	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	MDL	DilFact	AnalMeth	Bias	DV_Comment
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/15/2004	7439-97-6	Mercury	0.23		ug/L	0.20	0.004	1	7470A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/15/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	0.004	1	7470A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/15/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	0.004	1	7470A		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-02-0	Nickel	15	J	ug/L	2.5	0.036	5	6020A	I	MD Imprecision
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-02-0	Nickel	15	J	ug/L	2.5	0.036	5	6020A	I	MD & FD imprecision
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-02-0	Nickel	5.7	J	ug/L	2.5	0.036	5	6020A	I	MD & FD imprecision
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	0.085	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	0.085	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	0.085	5	6020A		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	0.061	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	0.061	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	0.061	5	6020A		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-23-5	Sodium	40000		ug/L	50	3.7	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-23-5	Sodium	42000		ug/L	50	3.7	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-23-5	Sodium	41000		ug/L	50	3.7	5	6020A		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	0.013	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	0.013	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	0.013	5	6020A		
DW-019	0407034-01	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-66-6	Zinc	50	U	ug/L	50	2.6	5	6020A		
DW-020	0407034-02	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-66-6	Zinc	50	U	ug/L	50	2.6	5	6020A		
DWE-020	0407034-03	AQ	07/09/2004	07/09/2004	07/14/2004	07/19/2004	7440-66-6	Zinc	50	U	ug/L	50	2.6	5	6020A		

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Pownal Tannery St[illegible]und Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-021	0407047-01	AQ	07/13/2004	07/16/2004	07/24/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-021	0407047-01	AQ	07/13/2004	07/16/2004	07/24/2004	25512-42-9	Dichlorobiphenyls	5.4		ng/L	1.0	1	680		
DW-021	0407047-01	AQ	07/13/2004	07/16/2004	07/24/2004	25323-68-6	Trichlorobiphenyls	1.4		ng/L	1.0	1	680		
DW-021	0407047-01	AQ	07/13/2004	07/16/2004	07/24/2004	26914-33-0	Tetrachlorobiphenyls	2.1		ng/L	1.0	1	680		
DW-021	0407047-01	AQ	07/13/2004	07/16/2004	07/24/2004	25429-29-2	Pentachlorobiphenyls	3.1		ng/L	1.0	1	680		
DW-021	0407047-01	AQ	07/13/2004	07/16/2004	07/24/2004	26601-64-9	Hexachlorobiphenyls	1.7		ng/L	1.0	1	680		
DW-021	0407047-01	AQ	07/13/2004	07/16/2004	07/24/2004	28655-71-2	Heptachlorobiphenyls	1.0		ng/L	1.0	1	680		
DW-021	0407047-01	AQ	07/13/2004	07/16/2004	07/24/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-021	0407047-01	AQ	07/13/2004	07/16/2004	07/24/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-021	0407047-01	AQ	07/13/2004	07/16/2004	07/24/2004	2051-24-3	Decachlorobiphenyl	1.0	UJ	ng/L	1.0	1	680	L	Low Calibration Verification
DW-021	0407047-01	AQ	07/13/2004	07/16/2004	07/24/2004		Total Homologs	15		ng/L	1.0	1	680		
DW-022	0407047-02	AQ	07/13/2004	07/16/2004	07/24/2004	27323-18-8	Monochlorobiphenyls	1.1	U	ng/L	1.1	1	680		
DW-022	0407047-02	AQ	07/13/2004	07/16/2004	07/24/2004	25512-42-9	Dichlorobiphenyls	1.1	U	ng/L	1.1	1	680		
DW-022	0407047-02	AQ	07/13/2004	07/16/2004	07/24/2004	25323-68-6	Trichlorobiphenyls	1.1	U	ng/L	1.1	1	680		
DW-022	0407047-02	AQ	07/13/2004	07/16/2004	07/24/2004	26914-33-0	Tetrachlorobiphenyls	1.1	U	ng/L	1.1	1	680		
DW-022	0407047-02	AQ	07/13/2004	07/16/2004	07/24/2004	25429-29-2	Pentachlorobiphenyls	1.1	U	ng/L	1.1	1	680		
DW-022	0407047-02	AQ	07/13/2004	07/16/2004	07/24/2004	26601-64-9	Hexachlorobiphenyls	1.1	U	ng/L	1.1	1	680		
DW-022	0407047-02	AQ	07/13/2004	07/16/2004	07/24/2004	28655-71-2	Heptachlorobiphenyls	1.1	U	ng/L	1.1	1	680		
DW-022	0407047-02	AQ	07/13/2004	07/16/2004	07/24/2004	55722-26-4	Octachlorobiphenyls	1.1	U	ng/L	1.1	1	680		
DW-022	0407047-02	AQ	07/13/2004	07/16/2004	07/24/2004	53742-07-7	Nonachlorobiphenyls	1.1	U	ng/L	1.1	1	680		
DW-022	0407047-02	AQ	07/13/2004	07/16/2004	07/24/2004	2051-24-3	Decachlorobiphenyl	1.1	UJ	ng/L	1.1	1	680	L	Low Calibration Verification
DW-022	0407047-02	AQ	07/13/2004	07/16/2004	07/24/2004		Total Homologs	1.1	U	ng/L	1.1	1	680		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	67-64-1	Acetone	6.5		ug/L	5.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		

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Pownal Tannery St . .und Site, Pownal, VT
Discharge Water Sampling - 2004

SamplD	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004		07/14/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	67-64-1	Acetone	22		ug/L	5.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-022	0407047-02	AQ	07/13/2004		07/14/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	67-64-1	Acetone	5.0	U	ug/L	5.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Pownal Tannery Su[illegible]und Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	75-25-2	Bromoform	2.4		ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-071304-01	0407047-03	AQ	07/13/2004		07/14/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	108-95-2	Phenol	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	111-44-4	bis(2-Chloroethyl)ether	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	108-60-1	bis(2-chloroisopropyl)ether	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	67-72-1	Hexachloroethane	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	98-95-3	Nitrobenzene	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	78-59-1	Isophorone	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	120-83-2	2,4-Dichlorophenol	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	91-20-3	Naphthalene	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	88-06-2	2,4,6-Trichlorophenol	0.29	J	ug/L	0.51	1	8270	I	Result uncertain below the calibration range
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	84-66-2	Diethylphthalate	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	86-73-7	Fluorene	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	1912-24-9	Atrazine	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	87-86-5	Pentachlorophenol	1.1		ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	120-12-7	Anthracene	0.61	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	84-74-2	Di-n-butylphthalate	0.51	U	ug/L	0.51	1	8270		Blank Action
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	206-44-0	Fluoranthene	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	129-00-0	Pyrene	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	56-55-3	Benz[a]anthracene	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	218-01-9	Chrysene	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.51	U	ug/L	0.51	1	8270		Blank Action
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	205-99-2	Benzo[b]fluoranthene	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	207-08-9	Benzo[k]fluoranthene	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	50-32-8	Benzo[a]pyrene	0.51	U	ug/L	0.51	1	8270		

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Pownal Tannery Su und Site, Pownal, VT
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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.51	U	ug/L	0.51	1	8270		
DW-021	0407047-01	AQ	07/13/2004	07/15/2004	07/23/2004	53-70-3	Dibenz[a,h]anthracene	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	108-95-2	Phenol	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	111-44-4	bis(2-Chloroethyl)ether	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	108-60-1	bis(2-chloroisopropyl)ether	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	67-72-1	Hexachloroethane	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	98-95-3	Nitrobenzene	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	78-59-1	Isophorone	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	120-83-2	2,4-Dichlorophenol	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	91-20-3	Naphthalene	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	88-06-2	2,4,6-Trichlorophenol	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	84-66-2	Diethylphthalate	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	86-73-7	Fluorene	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	1912-24-9	Atrazine	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	87-86-5	Pentachlorophenol	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	120-12-7	Anthracene	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	84-74-2	Di-n-butylphthalate	0.51	U	ug/L	0.51	1	8270		Blank Action
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	206-44-0	Fluoranthene	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	129-00-0	Pyrene	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	56-55-3	Benz[a]anthracene	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	218-01-9	Chrysene	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.51	U	ug/L	0.51	1	8270		Blank Action
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	205-99-2	Benzo[b]fluoranthene	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	207-08-9	Benzo[k]fluoranthene	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	50-32-8	Benzo[a]pyrene	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.51	U	ug/L	0.51	1	8270		
DW-022	0407047-02	AQ	07/13/2004	07/15/2004	07/23/2004	53-70-3	Dibenz[a,h]anthracene	0.51	U	ug/L	0.51	1	8270		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_Result	DV_Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-021	105846083	AQ	7/13/2004	7/28/2004	7/31/2004	1746-01-6	2,3,7,8-TCDD	0.0024	UJ	ng/L	0.0024	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain
DW-022	105846091	AQ	7/13/2004	7/28/2004	7/31/2004	1746-01-6	2,3,7,8-TCDD	0.0042	UJ	ng/L	0.0042	1	SW-8290	I	Result = Estimated Detection Limit (EDL); EDL uncertain

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
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Validated: 08/03/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7429-90-5	Aluminum	700		ug/L	50	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7429-90-5	Aluminum	50	U	ug/L	50	5	6020A		
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7440-36-0	Antimony	2.5	U	ug/L	2.5	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7440-36-0	Antimony	2.5	U	ug/L	2.5	5	6020A		
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7440-38-2	Arsenic	4.8		ug/L	0.50	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7440-38-2	Arsenic	2.5		ug/L	0.50	5	6020A		
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7440-39-3	Barium	140		ug/L	0.50	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7440-39-3	Barium	110		ug/L	0.50	5	6020A		
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7440-47-3	Chromium	93		ug/L	2.5	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7440-47-3	Chromium	2.5	U	ug/L	2.5	5	6020A		
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7440-50-8	Copper	6.5		ug/L	2.5	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7440-50-8	Copper	2.5	U	ug/L	2.5	5	6020A		
DW-021	0407047-01	AQ	07/13/2004	07/23/2004	07/23/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-022	0407047-02	AQ	07/13/2004	07/23/2004	07/23/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7439-89-6	Iron	4900		ug/L	250	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7439-89-6	Iron	1200		ug/L	250	5	6020A		
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7439-92-1	Lead	5.1		ug/L	0.50	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7439-92-1	Lead	0.50	U	ug/L	0.50	5	6020A		
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7439-96-5	Manganese	3200	J	ug/L	250	5	6020A	L	MS low
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7439-96-5	Manganese	2700	J	ug/L	250	5	6020A	L	MS low
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/19/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/19/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7440-02-0	Nickel	6.6		ug/L	2.5	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7440-02-0	Nickel	2.5	U	ug/L	2.5	5	6020A		
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7440-23-5	Sodium	36000		ug/L	250	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7440-23-5	Sodium	33000		ug/L	250	5	6020A		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling -- 2004

Validated: 08/03/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DW-021	0407047-01	AQ	07/13/2004	07/19/2004	07/26/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		
DW-022	0407047-02	AQ	07/13/2004	07/19/2004	07/26/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		

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Pownal Tannery Sup[illegible]d Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	07/24/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	07/24/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	07/24/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	07/24/2004	26914-33-0	Tetrachlorobiphenyls	8.0		ng/L	1.0	1	680		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	07/24/2004	25429-29-2	Pentachlorobiphenyls	50		ng/L	1.0	1	680		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	07/24/2004	26601-64-9	Hexachlorobiphenyls	32		ng/L	1.0	1	680		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	07/24/2004	28655-71-2	Heptachlorobiphenyls	3.4		ng/L	1.0	1	680		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	07/24/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	07/24/2004	53742-07-7	Nonachlorobiphenyls	6.5		ng/L	1.0	1	680		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	07/24/2004	2051-24-3	Decachlorobiphenyl	1.0	UJ	ng/L	1.0	1	680	L	Low Calibration Verification
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	07/24/2004		Total Homologs	99		ng/L	1.0	1	680		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	07/24/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	07/24/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	07/24/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	07/24/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	07/24/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	07/24/2004	26601-64-9	Hexachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	07/24/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	07/24/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	07/24/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	07/24/2004	2051-24-3	Decachlorobiphenyl	1.0	UJ	ng/L	1.0	1	680	L	Low Calibration Verification
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	07/24/2004		Total Homologs	1.0	U	ng/L	1.0	1	680		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	67-64-1	Acetone	3.0	J	ug/L	5.0	1	8260	I	Result uncertain below the calibration range
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		

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Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
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SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004		07/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	67-64-1	Acetone	12		ug/L	5.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-024	0407103-02	AQ	07/19/2004		07/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	67-64-1	Acetone	5.0	U	ug/L	5.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	75-09-2	Methylene chloride	1.4	J	ug/L	5.0	1	8260	I	Result uncertain below the calibration range
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

Validated: N Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB-071904-01	0407103-03	AQ	07/19/2004		07/21/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	108-95-2	Phenol	0.13	J	ug/L	0.50	1	8270	I	Result uncertain below the calibration range
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	111-44-4	bis(2-Chloroethyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	108-60-1	bis(2-chloroisopropyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	67-72-1	Hexachloroethane	0.50	U	ug/L	0.50	1	8270		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	98-95-3	Nitrobenzene	0.50	U	ug/L	0.50	1	8270		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	78-59-1	Isophorone	0.50	U	ug/L	0.50	1	8270		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	120-83-2	2,4-Dichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	91-20-3	Naphthalene	0.50	U	ug/L	0.50	1	8270		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	88-06-2	2,4,6-Trichlorophenol	0.55		ug/L	0.50	1	8270		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	84-66-2	Diethylphthalate	0.22	J	ug/L	0.50	1	8270	I	Result uncertain below the calibration range
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	86-73-7	Fluorene	0.50	U	ug/L	0.50	1	8270		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	1912-24-9	Atrazine	0.50	U	ug/L	0.50	1	8270		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	87-86-5	Pentachlorophenol	3.9		ug/L	0.50	1	8270		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	120-12-7	Anthracene	0.50	U	ug/L	0.50	1	8270		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	84-74-2	Di-n-butylphthalate	0.55	U	ug/L	0.50	1	8270		Blank Action
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	206-44-0	Fluoranthene	0.16	J	ug/L	0.50	1	8270	I	Result uncertain below the calibration range
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	129-00-0	Pyrene	0.17	J	ug/L	0.50	1	8270	I	Result uncertain below the calibration range
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	56-55-3	Benz[a]anthracene	0.10	J	ug/L	0.50	1	8270	I	Result uncertain below the calibration range
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	218-01-9	Chrysene	0.50	U	ug/L	0.50	1	8270		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	117-81-7	bis(2-Ethylhexyl)phthalate	3.6	U	ug/L	0.50	1	8270		Blank Action
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	205-99-2	Benzo[b]fluoranthene	0.13	J	ug/L	0.50	1	8270	I	Result uncertain below the calibration range
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	207-08-9	Benzo[k]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	50-32-8	Benzo[a]pyrene	0.10	J	ug/L	0.50	1	8270	I	Result uncertain below the calibration range
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-023	0407103-01	AQ	07/19/2004	07/21/2004	08/06/2004	53-70-3	Dibenz[a,h]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	108-95-2	Phenol	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	111-44-4	bis(2-Chloroethyl)ether	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	108-60-1	bis(2-chloroisopropyl)ether	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	67-72-1	Hexachloroethane	0.53	U	ug/L	0.53	1	8270		

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Maxymillian nologies
Pownal Tannery Supe..id Site, Pownal, VT
Discharge Water Sampling - 2004

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	98-95-3	Nitrobenzene	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	78-59-1	Isophorone	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	120-83-2	2,4-Dichlorophenol	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	91-20-3	Naphthalene	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	88-06-2	2,4,6-Trichlorophenol	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	84-66-2	Diethylphthalate	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	86-73-7	Fluorene	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	1912-24-9	Atrazine	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	87-86-5	Pentachlorophenol	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	120-12-7	Anthracene	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	84-74-2	Di-n-butylphthalate	0.53	U	ug/L	0.53	1	8270		Blank Action
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	206-44-0	Fluoranthene	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	129-00-0	Pyrene	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	56-55-3	Benz[a]anthracene	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	218-01-9	Chrysene	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	117-81-7	bis(2-Ethylhexyl)phthalate	1.1	U	ug/L	0.53	1	8270		Blank Action
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	205-99-2	Benzo[b]fluoranthene	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	207-08-9	Benzo[k]fluoranthene	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	50-32-8	Benzo[a]pyrene	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.53	U	ug/L	0.53	1	8270		
DW-024	0407103-02	AQ	07/19/2004	07/21/2004	08/06/2004	53-70-3	Dibenz[a,h]anthracene	0.53	U	ug/L	0.53	1	8270		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
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Validated: 9/13/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-023	105866784	AQ	7/19/2004	8/10/2004	8/13/2004	1746-01-6	2,3,7,8-TCDD	0.0038	J	ng/L	0.0022	1	SW-8290	I	Result uncertain below the calibration range; RL = EDL
DW-024	105866792	AQ	7/19/2004	8/10/2004	8/13/2004	1746-01-6	2,3,7,8-TCDD	0.0021	UJ	ng/L	0.0021	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling -- 2004

Validated: 08/16/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7429-90-5	Aluminum	8500		ug/L	50	5	6020A		
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7429-90-5	Aluminum	64		ug/L	50	5	6020A		
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7440-36-0	Antimony	2.5	UJ	ug/L	2.5	5	6020A	L	MS low
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7440-36-0	Antimony	2.5	UJ	ug/L	2.5	5	6020A	L	MS low
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7440-38-2	Arsenic	6.3		ug/L	0.50	5	6020A		
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7440-38-2	Arsenic	2.2		ug/L	0.50	5	6020A		
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7440-39-3	Barium	130		ug/L	0.50	5	6020A		
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7440-39-3	Barium	53		ug/L	0.50	5	6020A		
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7440-43-9	Cadmium	1.9		ug/L	0.50	5	6020A		
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7440-47-3	Chromium	910		ug/L	2.5	5	6020A		
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7440-47-3	Chromium	2.5	U	ug/L	2.5	5	6020A		
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7440-50-8	Copper	36		ug/L	2.5	5	6020A		
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7440-50-8	Copper	7.8		ug/L	2.5	5	6020A		
DW-023	0407103-01	AQ	07/19/2004	07/23/2004	07/23/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-024	0407103-02	AQ	07/19/2004	07/23/2004	07/23/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7439-89-6	Iron	18000	J	ug/L	250	5	6020A	L	MS low
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7439-89-6	Iron	1100	J	ug/L	250	5	6020A	L	MS low
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7439-92-1	Lead	60		ug/L	0.50	5	6020A		
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7439-92-1	Lead	2.5		ug/L	0.50	5	6020A		
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7439-96-5	Manganese	2600		ug/L	25	5	6020A		
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7439-96-5	Manganese	1300		ug/L	25	5	6020A		
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/22/2004	7439-97-6	Mercury	0.79		ug/L	0.20	1	7470A		
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/22/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7440-02-0	Nickel	28		ug/L	2.5	5	6020A		
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7440-02-0	Nickel	47		ug/L	2.5	5	6020A		
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7440-23-5	Sodium	26000		ug/L	75	5	6020A		
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7440-23-5	Sodium	28000		ug/L	75	5	6020A		
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		

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Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling -- 2004

Validated: 08/16/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7440-28-0	Thallium	0.50	U	ug/L	0.50	5	6020A		
DW-023	0407103-01	AQ	07/19/2004	07/22/2004	07/26/2004	7440-66-6	Zinc	94		ug/L	50	5	6020A		
DW-024	0407103-02	AQ	07/19/2004	07/22/2004	07/26/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		

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Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

SamplID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/07/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/07/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/07/2004	25323-68-6	Trichlorobiphenyls	2.1		ng/L	1.0	1	680		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/07/2004	26914-33-0	Tetrachlorobiphenyls	8.4		ng/L	1.0	1	680		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/07/2004	25429-29-2	Pentachlorobiphenyls	6.9		ng/L	1.0	1	680		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/07/2004	26601-64-9	Hexachlorobiphenyls	6.7		ng/L	1.0	1	680		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/07/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/07/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/07/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/07/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/07/2004		Total Homologs	24		ng/L	1.0	1	680		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/07/2004	27323-18-8	Monochlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/07/2004	25512-42-9	Dichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/07/2004	25323-68-6	Trichlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/07/2004	26914-33-0	Tetrachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/07/2004	25429-29-2	Pentachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/07/2004	26601-64-9	Hexachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/07/2004	28655-71-2	Heptachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/07/2004	55722-26-4	Octachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/07/2004	53742-07-7	Nonachlorobiphenyls	1.0	U	ng/L	1.0	1	680		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/07/2004	2051-24-3	Decachlorobiphenyl	1.0	U	ng/L	1.0	1	680		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/07/2004		Total Homologs	1.0	U	ng/L	1.0	1	680		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	67-64-1	Acetone	5.0	U	ug/L	5.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		

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SamplID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004		07/23/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	67-64-1	Acetone	10		ug/L	5.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	75-25-2	Bromoform	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-026	0407113-02	AQ	07/21/2004		07/23/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	74-83-9	Bromomethane	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	75-35-4	1,1-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	67-64-1	Acetone	5.0	U	ug/L	5.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	75-09-2	Methylene chloride	8.2		ug/L	5.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	1634-04-4	Methyl tert-butyl ether (MTBE)	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	75-34-3	1,1-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	78-93-3	2-Butanone (MEK)	2.0	U	ug/L	2.0	1	8260		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

SamplD	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	67-66-3	Chloroform	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	56-23-5	Carbon tetrachloride	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	71-43-2	Benzene	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	107-06-2	1,2-Dichloroethane	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	79-01-6	Trichloroethene	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	75-27-4	Bromodichloromethane	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	108-10-1	Methyl isobutyl ketone (MIBK)	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	108-88-3	Toluene	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	127-18-4	Tetrachloroethene	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	108-90-7	Chlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	100-41-4	Ethylbenzene	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	1330-20-7	Xylenes, Total	6.0	U	ug/L	6.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	100-42-5	Styrene	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	75-25-2	Bromoform	2.9		ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L	2.0	1	8260		
TB072104-01	0407113-03	AQ	07/21/2004		07/23/2004	120-82-1	1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	1	8260		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	108-95-2	Phenol	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	111-44-4	bis(2-Chloroethyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	108-60-1	bis(2-chloroisopropyl)ether	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	67-72-1	Hexachloroethane	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	98-95-3	Nitrobenzene	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	78-59-1	Isophorone	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	120-83-2	2,4-Dichlorophenol	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	91-20-3	Naphthalene	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	88-06-2	2,4,6-Trichlorophenol	0.24	J	ug/L	0.50	1	8270	I	Result uncertain below the calibration range
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	84-66-2	Diethylphthalate	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	86-73-7	Fluorene	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	1912-24-9	Atrazine	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	87-86-5	Pentachlorophenol	1.9		ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	120-12-7	Anthracene	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	84-74-2	Di-n-butylphthalate	0.50	U	ug/L	0.50	1	8270		Blank Action
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	206-44-0	Fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	129-00-0	Pyrene	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	56-55-3	Benz[a]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	218-01-9	Chrysene	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.98		ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	205-99-2	Benzo[b]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	207-08-9	Benzo[k]fluoranthene	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	50-32-8	Benzo[a]pyrene	0.50	U	ug/L	0.50	1	8270		

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SamplID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	1	8270		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	08/06/2004	53-70-3	Dibenz[a,h]anthracene	0.50	U	ug/L	0.50	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	108-95-2	Phenol	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	111-44-4	bis(2-Chloroethyl)ether	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	108-60-1	bis(2-chloroisopropyl)ether	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	67-72-1	Hexachloroethane	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	98-95-3	Nitrobenzene	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	78-59-1	Isophorone	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	120-83-2	2,4-Dichlorophenol	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	91-20-3	Naphthalene	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	88-06-2	2,4,6-Trichlorophenol	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	84-66-2	Diethylphthalate	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	86-73-7	Fluorene	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	1912-24-9	Atrazine	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	87-86-5	Pentachlorophenol	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	120-12-7	Anthracene	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	84-74-2	Di-n-butylphthalate	0.53	U	ug/L	0.53	1	8270		Blank Action
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	206-44-0	Fluoranthene	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	129-00-0	Pyrene	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	56-55-3	Benz[a]anthracene	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	218-01-9	Chrysene	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	117-81-7	bis(2-Ethylhexyl)phthalate	0.26	J	ug/L	0.53	1	8270	I	Result uncertain below the calibration range
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	205-99-2	Benzo[b]fluoranthene	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	207-08-9	Benzo[k]fluoranthene	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	50-32-8	Benzo[a]pyrene	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	193-39-5	Indeno[1,2,3-cd]pyrene	0.53	U	ug/L	0.53	1	8270		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	08/06/2004	53-70-3	Dibenz[a,h]anthracene	0.53	U	ug/L	0.53	1	8270		

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymil... Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling - 2004

Validated: 9/02/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	ResUnits	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW 025	105870836	AQ	7/21/2004	8/10/2004	8/13/2004	1746-01-6	2,3,7,8-TCDD	0.002	UJ	ng/L	0.002	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain
DW 026	105870844	AQ	7/21/2004	8/10/2004	8/13/2004	1746-01-6	2,3,7,8-TCDD	0.0021	UJ	ng/L	0.0021	1	SW-8290	I	Result = Low-level RL (LRL); LRL uncertain

U = Non-detect at the "DetLimit" (= RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = Low; H = High; I = Indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling -- 2004

Validated: 08/16/04
NEH, Inc.

SampID	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7429-90-5	Aluminum	760		ug/L	50	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7429-90-5	Aluminum	50	U	ug/L	50	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7440-36-0	Antimony	2.5	U	ug/L	2.5	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7440-36-0	Antimony	2.5	U	ug/L	2.5	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7440-38-2	Arsenic	2.4		ug/L	0.50	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7440-38-2	Arsenic	2.4		ug/L	0.50	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7440-39-3	Barium	58		ug/L	0.50	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7440-39-3	Barium	48		ug/L	0.50	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7440-41-7	Beryllium	0.50	U	ug/L	0.50	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7440-43-9	Cadmium	0.50	U	ug/L	0.50	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7440-47-3	Chromium	320		ug/L	2.5	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7440-47-3	Chromium	2.5	U	ug/L	2.5	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7440-50-8	Copper	7.3		ug/L	2.5	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7440-50-8	Copper	2.5	U	ug/L	2.5	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/23/2004	07/23/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-026	0407113-02	AQ	07/21/2004	07/23/2004	07/23/2004		Cyanide, Total	0.005	U	mg/L	0.005	1	9014		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7439-89-6	Iron	3000		ug/L	250	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7439-89-6	Iron	1000		ug/L	250	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7439-92-1	Lead	15		ug/L	0.50	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7439-92-1	Lead	1.0		ug/L	0.50	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7439-96-5	Manganese	2600		ug/L	400	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7439-96-5	Manganese	1700		ug/L	400	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7439-97-6	Mercury	0.20	U	ug/L	0.20	1	7470A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7440-02-0	Nickel	12		ug/L	2.5	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7440-02-0	Nickel	13		ug/L	2.5	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7782-49-2	Selenium	2.5	U	ug/L	2.5	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7440-22-4	Silver	0.50	U	ug/L	0.50	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7440-23-5	Sodium	28000		ug/L	400	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7440-23-5	Sodium	29000		ug/L	400	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7440-28-0	Thallium	2.5	U	ug/L	2.5	5	6020A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.

Maxymillian Technologies
Pownal Tannery Superfund Site, Pownal, VT
Discharge Water Sampling -- 2004

Validated: 08/16/04
NEH, Inc.

SamplD	LabID	Matrix	DateSamp	DateExt	DateAnal	CASNo	ChemName	DV_ Result	DV_ Qual	Res Units	DetLimit	DilFact	AnalMeth	Bias	DV_Comment
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7440-28-0	Thallium	2.5	U	ug/L	2.5	5	6020A		
DW-025	0407113-01	AQ	07/21/2004	07/26/2004	07/27/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		
DW-026	0407113-02	AQ	07/21/2004	07/26/2004	07/27/2004	7440-66-6	Zinc	50	U	ug/L	50	5	6020A		

U = Non-detect at the "DetLimit" (=RL); UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected.
Bias: L = low; H = high; I = indeterminate. See Data Validation Report for details.