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DOCUMENTATION OF ENVIRONMENTAL INDICATOR DETERMINATION (CA750) MIGRATION OF CONTAMINATED GROUNDWATER UNDER CONTROL

MacDermid, Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

November 2002

Prepared for

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ATTACHMENTS

Attachment 1	Figures
Attachment 2	Drawings
Attachment 3	Tables

DOCUMENTATION OF ENVIRONMENTAL INDICATOR DETERMINATION

Interim Final 2/5/99

RCRA Corrective Action
Environmental Indicator (EI) RCRIS code (CA750)
Migration of Contaminated Groundwater Under Control

Facility Name: **MacDermid Incorporated**
Facility Address: **526 Huntingdon Avenue, Waterbury, Connecticut**
Facility EPA ID #: **CTD001164599**

1. Has **all** available relevant/significant information on known and reasonably suspected releases to the groundwater media, subject to RCRA Corrective Action (e.g., from Solid Waste Management Units (SWMU), Regulated Units (RU), and Areas of Concern (AOC)), been **considered** in this EI determination?

   __X*__ If yes - check here and continue with #2 below.

   _____ If no - re-evaluate existing data, or

   _____ if data are not available, skip to #8 and enter"IN" (more information needed) status code.

*Note: **According to a February 11, 2002 correspondence from the United States Environmental Protection Agency (EPA), groundwater monitoring was performed 8/87, 1/88, 10/88, 10/92, 2/93 and twice in 1/94; data from these events were not available for review and was not used in development of this EI.**

BACKGROUND

Definition of Environmental Indicators (for the RCRA Corrective Action)

Environmental Indicators (EI) are measures being used by the RCRA Corrective Action program to go beyond programmatic activity measures (e.g., reports received and approved, etc.) to track changes in the quality of the environment. The two EI developed to-date indicate the quality of the environment in relation to current human exposures to contamination and the migration of contaminated groundwater. An EI for non-human (ecological) receptors is intended to be developed in the future.

Definition of "Migration of Contaminated Groundwater Under Control" EI

A positive "Migration of Contaminated Groundwater Under Control" EI determination ("YE" status code) indicates that the migration of "contaminated" groundwater has stabilized, and that monitoring will be conducted to confirm that contaminated groundwater remains within the original "area of contaminated groundwater" (for all groundwater "contamination" subject to RCRA corrective action at or from the identified facility (i.e., Site-wide)).

Relationship of EI to Final Remedies

While Final remedies remain the long-term objective of the RCRA Corrective Action program the EI are near term objectives which are currently being used as Program measures for the Government Performance and Results Act of 1993, GPRA). The "Migration of Contaminated Groundwater Under Control" EI pertains ONLY to the physical migration (i.e., further spread) of contaminated ground water and contaminants within groundwater (e.g., non-aqueous phase liquids or NAPLs). Achieving this EI does not substitute for achieving other stabilization or final remedy requirements and expectations associated with sources of contamination and the need to restore, wherever practicable, contaminated groundwater to be suitable for its designated current and future uses.

Duration / Applicability of EI Determinations

EI Determinations status codes should remain in RCRIS national database ONLY as long as they remain true (i.e., RCRIS status codes must be changed when the regulatory authorities become aware of contrary information).

2. Is **groundwater** known or reasonably suspected to be **"contaminated"**[1] above appropriately protective "levels" (i.e., applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from releases subject to RCRA Corrective Action, anywhere at, or from, the facility?

   __X__ If yes - continue after identifying key contaminants, citing appropriate "levels," and referencing supporting documentation.

   _____ If no - skip to #8 and enter "YE" status code, after citing appropriate "levels," and referencing supporting documentation to demonstrate that groundwater is not "contaminated."

   _____ If unknown - skip to #8 and enter "IN" status code.

Rationale and Reference(s):

The Site is located at 526 Huntingdon Avenue in Waterbury, Connecticut (Figure 1 in Attachment 1) and includes two parcels of land (i.e. the NORTH parcel and the SOUTH parcel). The first parcel is located on the southern side of Huntingdon Avenue and encompasses approximately 11 acres. For the purposes of clarity in this document, the 11-acre parcel will be referred to as the SOUTH parcel. The SOUTH parcel is improved with three interconnected buildings with a total footprint of approximately 182,500 square feet. These buildings are referred to as the Gear Street Building, East Aurora Street Building, and the Huntingdon Avenue Building. There is little topographic relief on the SOUTH portion of the Site, which lies at approximately 300 feet above mean sea level (MSL). The Site is located approximately 1,000 feet northwest of the Naugatuck River, which lies at approximately 260 feet above MSL. The Site and immediately surrounding area are zoned for industrial use.

The second parcel is located on the northern side of Huntingdon Avenue, and encompasses approximately 30 acres. For the purpose of clarity in this document, the 30-acre parcel will be referred to as the NORTH parcel. The NORTH parcel is primarily covered with grass and other native vegetation. Two paved areas are located on the southern and southeastern portions of the NORTH parcel. The first paved area is located immediately along the north side of Huntingdon Avenue and was used for parking by employees of the MacDermid facility located on the southern side of Huntingdon Avenue. The second paved area, located approximately 400-feet north of Huntingdon Avenue, serves as an asphalt cap to a sludge disposal area. Historical information pertaining to the sludge disposal area is presented later in the text of this section.

The MacDermid facility was primarily engaged in blending and/or compounding chemical materials used in the metal finishing, plating on plastics and printed circuit industries. In particular, MacDermid manufactured inks and electroless nickel plating solutions for these industries. The Standard Industrial Classification (SIC) Code for the facility is 2899. Ancillary activities conducted by MacDermid at the facility included reprocessing copper etchant solution received in bulk from their customers or off-site MacDermid facilities.

In order to determine a general history of the Site, Sanborn Fire Insurance Maps and aerial photographs pertaining to the Site were reviewed. The Sanborn Fire Insurance Maps obtained from the Connecticut State Library archives indicated that the Waterbury Steel Ball Company occupied the Gear Street Building and the Carroll Wire Company occupied the Huntingdon Avenue Building in 1921. Mapping prior to 1921 was not available. Also, the Sanborn Map indicated that MacDermid occupied the Huntingdon Avenue Facility in 1930. Aerial photographs of the Site obtained from the DEP depict a drum storage area of approximately 30 drums behind a shed outside the Huntingdon Avenue Building in the 1965 photograph

that did not appear in the 1970 photograph. Aerial photographs also indicate a lagoon was added between 1970 and 1975 west of the Huntingdon Avenue Building near Huntingdon Avenue. This lagoon and a second adjacent lagoon were used for disposal of organic and inorganic process waste generated at the facility by MacDermid. The lagoons were removed between approximately 1980 and 1986 and the East Aurora Street Building was constructed such that the Huntingdon Avenue Building was connected to the Gear Street Building. The Site remained generally unchanged from 1986 to 2002.

According to historical environmental investigation reports, between 1978 and 1979, approximately 1,000-cubic yards of metal hydroxide sludge was removed from the aforementioned waste lagoons and disposed of in an excavated area on the southeastern portion of the MacDermid NORTH parcel located on the northern side of Huntingdon Avenue. In addition to metal hydroxide sludge, potentially-contaminated soil from the MacDermid property south of Huntingdon Avenue was reportedly also disposed of in the same excavated area. The specific origin of the potentially-contaminated soil is unknown. Prior to emplacement on the MacDermid NORTH parcel, the waste materials were mixed with Site sand and gravel to increase load-bearing characteristics. In 1986, the material was covered with approximately nine inches of processed aggregate and three inches of asphalt.

In 2002, manufacturing activities at the facility ceased. At the time of this submittal, MacDermid conducts only office activities in the Huntingdon Avenue Building and shipping/receiving of raw product (from other MacDermid facilities) in the East Aurora Street Building. With the exception of shipping and receiving, all product and waste materials have been removed from the facility.

A report entitled *Conceptual Site Model (CSM) and Screening Levels, MacDermid Incorporated* was prepared in May 2002 by LEA. EPA comments to the CSM have been addressed in the cover letter included with this environmental indicator determination. The CSM provides a description of exposure media and exposure pathways, a description of potential receptors, a rationale and approach to screening analytical data generated for exposure media, and screening levels for exposure media. For the facility, the model also identifies the applicable receptors, exposure media and pathways that require screening as shown on Drawing 1 through Drawing 3 in Attachment 2 and depicted graphically on Figure 2 in Attachment 1.

A Site plan for the MacDermid facility that also depicts groundwater sampling locations and a complete listing of constituents detected in groundwater is provided as Drawing 1 in Attachment 2. Drawing 2 depicts Site features, groundwater sampling locations and an interpretation of groundwater flow direction. Site geology has been evaluated during the course of investigation activities completed at the Site by Loureiro Engineering Associates, Inc. (LEA) and others. The unconsolidated deposits beneath the Site generally consist of gray brown and brown, fine to coarse sand with traces of gravel. A fill layer consisting of medium to coarse sand and building debris was identified in some boring locations to depths of approximately five feet below grade. Groundwater flow direction beneath the Site in the unconsolidated deposits is generally from north to south in the direction of the Naugatuck River. Based on an evaluation of depth to groundwater and topographic relief change between the Site and the Naugatuck River, it is likely that groundwater beneath the Site discharges to the Naugatuck River. With the addition of two groundwater monitoring wells to the southeastern Site boundary in August 2002, the groundwater monitoring well network at the Site is determined to be adequate in number and spatial distribution to assess the quality of groundwater at the Site.

Groundwater samples have been collected from the thirteen monitoring wells on Site. The location of each well is shown on Drawing 1 in Attachment 2. The initial sampling was conducted in March 1995 and sampling was subsequently conducted in February 2001 and July 2002.

During the 1995 sampling event, groundwater was analyzed for metals (arsenic, cadmium, copper, lead, mercury, selenium, silver, and zinc), volatile organic compounds (VOCs), total cyanide, amenable cyanide and fluoride. Total petroleum hydrocarbons (TPH) were added to the analytical suite in the 2001 sampling event. During the 2002 sampling event, groundwater samples were analyzed for metals (arsenic, barium, cadmium, chromium, hexavalent chromium, copper, lead, mercury, nickel, selenium, silver, tin, and zinc), VOCs, total cyanide, and extractable total petroleum hydrocarbons (ETPH).

Samples were collected from monitoring well MW-108 in 1995 and 2001. During the 2002 sampling event, floating product was observed in this well and no samples were collected. The product was purged from the well with a bailer so that only a sheen remained on top of the water column. Subsequently on August 28, September 3, and September 5, 2002, the product thickness was recorded and was then purged from the well so that only a sheen remained. Product thickness was recorded on August 28 at 0.5 feet, on September 3 at 0.1 feet, and as only a sheen on September 5, 2002.

To address potential impacts to surface water, the groundwater sampling data was compared to the Surface Water Protection Criteria (SWPC) listed in the Connecticut Remediation Standard Regulations (RSR). During the 2002 sampling round, groundwater from a total of four monitoring wells contained constituents or compounds that exceed the SWPC. These constituents/compounds include: arsenic, cadmium, copper, lead, mercury, nickel, silver, zinc, 1,1-dichloroethylene, and tetrachloroethylene. The concentrations were similar or less than previously detected in wells during 1995 and 2001 sampling events. Exceedances of the SWPC noted in groundwater samples collected during the 1995 and 2001 sampling events include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, zinc, cyanide, and tetrachloroethylene. A summary of exceedances to the SWPC are presented on Drawing 1 in Attachment 2 and Table 1 in Attachment 3.

To address potential exposures to Environmental Samplers from contact with groundwater while collecting samples at the Site, the groundwater data collected from the MacDermid facility were compared to the Federal Maximum Contaminant Levels (MCL). Exceedances of the MCL identified for the most recent sampling round include: nickel, 1,1-dichloroethylene, 1,2-dichloroethane, tetrachloroethylene, and trichloroethylene. The concentrations were similar or less than previously detected in wells during the 2001 sampling events. Exceedances of the MCL noted in groundwater samples collected during the 2001 sampling event include: cadmium, chromium, nickel and tetrachloroethylene. Table 2, provided in Attachment 3 to this EID, includes a summary of exceedances of the MCL for groundwater collected at the Site. The data is also summarized on Drawing 1.

The potential for exposure to off-site residents by indoor air impacted by volatile organic compounds in groundwater was indeterminate at the time of the submittal of the *Conceptual Site Model and Screening Levels, MacDermid Incorporated* in May 2002, due to the lack of data to verify groundwater flow direction, depth to groundwater, and potential for volatilization of contaminants from Site groundwater. For the purpose of the Qualitative Risk Assessment screening, groundwater quality data collected from on-site monitoring wells in July 2002 that are nearest abutting residential properties were compared to the Connecticut RSR Residential Volatilization Criteria (RVC) to provide an evaluation of potential risk to off-site receptors (i.e. residence), although these risks are minimized due to the significant depth to

groundwater at the Site (i.e. ~30 feet below grade on the SOUTH parcel) and the direction of groundwater flow south toward the Naugatuck River). The data was also compared to the Industrial/Commercial Volatilization Criteria (IVC) in order to assess the potential exposure to workers inside Site buildings. Potential exposure pathways under this condition would involve volatilization of contaminants from impacted groundwater into the vadose zone, migration through the soil column into indoor air space and inhalation by the receptor.

VOCs were detected in 2002 at concentrations that exceed the regulatory criteria. Specifically, concentrations of 1,2-dichloroethane and 1,1-dichloroethylene exceed the RVC at well MW-111 and exceeded the RVC and the IVC in well MW-115.

From a review of groundwater analytical data collected in July and September 2002, combined with the fact that groundwater flow beneath the Site is southerly toward the Naugatuck River, it is concluded that contaminated groundwater at the Site does not have the potential to impact abutting residential properties to the southwest. Groundwater contours developed during the September 2002 sampling event which support this conclusion are depicted on the site plan included as Drawing 2 in Attachment 2.

Footnotes:

[1] "Contamination" and "contaminated" describes media containing contaminants (in any form, NAPL and/or dissolved, vapors, or solids, that are subject to RCRA) in concentrations in excess of appropriate "levels" (appropriate for the protection of the groundwater resource and its beneficial uses).

Migration of Contaminated Groundwater Under Control Environmental Indicator
For the MacDermid Inc, Huntingdon Ave Facility
Waterbury, CT
CTD001164599

Question 2
Supplemental Documentation

Since the EI was last prepared by LEA Inc. in November 2002, several additional rounds of groundwater sampling have been conducted. The latest data and a summary of previous analytical results are contained in the *Groundwater Monitoring Report (April 2008)*, dated July 21, 2008, and prepared by GEI Consultants Inc. Data summary tables are also attached here as Table 2 (18 pages). Relevant CTDEP Remediation Standard Regulations (RSRs) are included in the table and exceedances of the criteria are highlighted. A revised Figure 1 titled *AOC Location and Summary of Groundwater and Soil Analytical Data*, dated December 2007, and prepared by GEI Consultants, is also attached.

Since the area is designated a GB groundwater classified area, relevant groundwater criteria include SWPC and volatilization criteria.

Wells with current exceedances and/or fairly consistent exceedances of the RSRs, from one sampling event to the next are as follows:

- MW-109 copper
- MW-110 copper and zinc
- MW-115 PCE and nickel.

A Mann-Kendall (M-K) statistical analysis of the results was used to evaluate if concentrations can be shown to be stable or decreasing. The following wells were analyzed for concentration trends for copper, nickel, zinc, and/or tetrachloroethylene (PCE) using the M-K. The Excel Spread Sheets with M-K Analysis are attached.

For MW-109, M-K results for copper indicate no trend at either 80 or 90 % confidence interval and a stability test further indicates non-stable (coefficient of variation > 1). This is likely the result of recent soil excavations in the former bulk copper etchant storage area (subject to rainwater infiltration due to disrepair of building), and building/slab removal in the bulk copper etchant loading and unloading area. This area will be paved to prevent further rain water infiltration ASAP.

For MW-110, M-K results indicate decreasing or stable trend for copper and decreasing trend for zinc.

For MW-115, M-K indicates a decreasing trend for PCE. For nickel M-K indicates no trend at either 80 or 90 % confidence interval but a stability test indicates stable concentrations (coefficient of variation ≤ 1).

CJC 9/26/08

3. Has the **migration** of contaminated groundwater **stabilized** (such that contaminated groundwater is expected to remain within "existing area of contaminated groundwater"[2] as defined by the monitoring locations designated at the time of this determination)?

__X__ If yes - continue, after presenting or referencing the physical evidence (e.g., groundwater sampling/measurement/migration barrier data) and rationale why contaminated groundwater is expected to remain within the (horizontal or vertical) dimensions of the "existing area of groundwater contamination"[2]).

_____ If no (contaminated groundwater is observed or expected to migrate beyond the designated locations defining the "existing area of groundwater contamination"[2]) - skip to #8 and enter "NO" status code, after providing an explanation.

_____ If unknown - skip to #8 and enter "IN" status code.

Rationale and Reference(s):

As discussed in Question 1 above, groundwater at the Site is contaminated with metals and VOCs that exceed the SWPC and the MCL, and VOCs that exceeded the RVC and the IVC for select constituents.

In the 2002 sampling event, no constituents were detected at concentrations exceeding the applicable criteria in well MW-113, located on the southwestern corner of the Site near East Aurora Street, or MW-105, which is located to the east of the Site building. In the three sampling events conducted at the site in 1995, 2001, and 2002, constituents detected in MW-105 include low concentrations of metals barium, chromium, copper, nickel, and zinc and VOCs acetone, chloroform, methylene chloride, tetrachloroethylene, and trichlorofluoromethane. Constituents detected in MW-113 include barium, cadmium, nickel, selenium and zinc and VOCs including acetone, isopropylbenzene, tert-butylbenzene, sec-butylbenzene, and cymene. The concentration of zinc in MW-113 (0.16 mg/l) exceeded the SWPC of 0.123 mg/l in the July 2001 sampling event. However, in 2002, the concentration of zinc detected in this well (0.029 mg/l) was below the SWPC. Based upon the results from the 2002 sampling event, the groundwater contamination plume does not appear to be growing in size and is constrained between wells MW-105 and MW-113 as the eastern and western limits of the plume.

As downgradient wells MW-111, MW-113, MW-114, and MW-115 generally represent the quality of groundwater as it discharges from the Site, sampling data from 2002 for these wells was reviewed in order to determine whether the groundwater contamination appears to be migrating beyond the downgradient boundaries of the Site.

A review of groundwater analytical data indicated that metals including arsenic, copper, lead, and zinc were detected at concentrations that exceeded the SWPC in downgradient well MW-115 during the July 2002 sampling event. VOCs including 1,1-dichloroethylene (11DCE), 1,2-dichloroethane (12DCA), tetrachloroethylene (PCE), and trichloroethylene (TCE) were detected at concentrations that exceeded the SWPC, the RVC and/or the IVC in wells MW-111 and MW-115. These concentrations of 11DCE, 12DCA, PCE, and TCE that were detected above the applicable criteria in monitoring wells MW-111 and MW-115, as well as upgradient well MW-110, have increased over time. Specifically, the concentration of 12DCA in MW-111 has increased from 4.0 micrograms per liter (µg/l) in 1995 to 17 µg/l in 2001 and to 84 µg/l in 2002. Similarly, 11DCE was not detected in MW-111 in 1995, but increased to 0.5 µg/l in 2001 and 2.0 µg/l in 2002. TCE, PCE, 12DCA, and 11DCE were detected in well MW-115 at the highest concentrations for these constituents at the Site.

Because there is no known continuing sources it is expected that dissolved constituents in the groundwater will remain within an area defined to the north, south, and west that satisfies the definition of "existing area of contaminated groundwater" as provided in Footnote 2 below.

The thickness of the floating product observed in well MW-108, as described in Question 2, was recorded and purged from the well with a bailer so that only a sheen remained on top of the water column. Product thickness was recorded on August 28 at 0.5 feet, on September 3 at 0.1 feet, and as only a sheen on September 5, 2002. Floating product was not observed in downgradient well MW-111 nor in MW-109, located approximately 50 feet to the east in a side-gradient direction of MW-108. The observed floating product appears to be isolated in the vicinity of MW-108.

[2] "existing area of contaminated groundwater" is an area (with horizontal and vertical dimensions) that has been verifiably demonstrated to contain all relevant groundwater contamination for this determination, and is defined by designated (monitoring) locations proximate to the outer perimeter of "contamination" that can and will be sampled/tested in the future to physically verify that all "contaminated" groundwater remains within this area, and that the further migration of "contaminated" groundwater is not occurring. Reasonable allowances in the proximity of the monitoring locations are permissible to incorporate formal remedy decisions (i.e., including public participation) allowing a limited area for natural attenuation.

4. Does "contaminated" groundwater **discharge** into **surface water** bodies?

__X__ If yes - continue after identifying potentially affected surface water bodies.

_____ If no - skip to #7 (and enter a "YE" status code in #8, if #7 = yes) after providing an explanation and/or referencing documentation supporting that groundwater "contamination" does not enter surface water bodies.

_____ If unknown - skip to #8 and enter "IN" status code.

Rationale and Reference(s):

There is little topographic relief SOUTH parcel of the Site between Huntingdon Avenue and East Aurora Street. The facility lies at approximately 300 feet above mean sea level (MSL). The depth to water at the Site is approximately 26 to 34 feet below grade, or approximately 270 feet MSL. The Site is located approximately 1,000 feet northwest of the Naugatuck River, which lies at approximately 260 feet above MSL. A groundwater contour map was generated for the Site (Drawing 2) that shows the groundwater flow to the southeast toward the Naugatuck River near the confluence with the Steele Brook. Based upon several factors, it is reasonable to conclude that groundwater beneath the Site ultimately discharges to the Naugatuck River. These factors include:

- groundwater at the Site is flowing in the direction of the Naugatuck River,
- the water surface elevation of the Naugatuck River is approximately 10 feet below the groundwater surface at the southeastern property line,
- there are no other surface water bodies in the vicinity of the Site.

It should be noted that for the production of Drawing 2, a surveyed benchmark was not available for the elevation survey performed on the monitoring wells at the Site. As such, the well elevations were based upon an arbitrary elevation of 1,000 feet.

As discussed in Question 3 above, metals (arsenic, copper, lead, and zinc) and VOCs (11DCE, 12DCA, PCE, and TCE) were detected above applicable criteria in wells that are near the southeastern boundary of the Site and are representative of groundwater that is flowing off-site. As such, it is presumed that the metals and VOC contamination in the groundwater discharges into the Naugatuck River.

5. Is the **discharge** of "contaminated" groundwater into surface water likely to be **"insignificant"** (i.e., the maximum concentration[3] of each contaminant discharging into surface water is less than 10 times their appropriate groundwater "level," and there are no other conditions (e.g., the nature, and number, of discharging contaminants, or environmental setting), which significantly increase the potential for unacceptable impacts to surface water, sediments, or eco-systems at these concentrations)?

____ If yes - skip to #7 (and enter "YE" status code in #8 if #7 = yes), after documenting: 1) the maximum known or reasonably suspected concentration[3] of key contaminants discharged above their groundwater "level," the value of the appropriate "level(s)," and if there is evidence that the concentrations are increasing; and 2) provide a statement of professional judgement/explanation (or reference documentation) supporting that the discharge of groundwater contaminants into the surface water is not anticipated to have unacceptable impacts to the receiving surface water, sediments, or eco-system.

__X__ If no - (the discharge of "contaminated" groundwater into surface water is potentially significant) - continue after documenting: 1) the maximum known or reasonably suspected concentration[3] of each contaminant discharged above its groundwater "level," the value of the appropriate "level(s)," and if there is evidence that the concentrations are increasing; and 2) for any contaminants discharging into surface water in concentrations[3] greater than 100 times their appropriate groundwater "levels," the estimated total amount (mass in kg/yr) of each of these contaminants that are being discharged (loaded) into the surface water body (at the time of the determination), and identify if there is evidence that the amount of discharging contaminants is increasing.

____ If unknown - enter "IN" status code in #8.

Rationale and Reference(s):

Based upon an evaluation of available mapping, groundwater flow direction, surface water elevations, etc. it is reasonable to conclude that Site groundwater discharges into the Naugatuck River.

In order to determine the potential for exposure to surface water and sediment in the Naugatuck River from groundwater at the Site, alternative SWPC were calculated for arsenic, cadmium, copper, lead, mercury, zinc, 1,1-dichloroethylene, and 1,2-dichloroethane because the highest concentrations of these constituents detected on the Site exceed the respective tabulated SWPC for those constituents. The discussion of the alternative SWPC is presented in Question 6 below.

Only data from groundwater samples collected in 2002 were considered for this analysis, as it is representative of the current condition of groundwater beneath the Site. The highest concentrations of the constituents detected in the shallow wells and the respective tabulated SWPC are noted below:

Constituent	Highest Concentration Detected	Tabulated SWPC
Arsenic	0.029 mg/l	0.004 mg/l
Cadmium	0.0499 mg/l	0.006 mg/l
Copper	18.3 mg/l	0.048 mg/l
Lead	0.039 mg/l	0.013 mg/l
Mercury	0.0025 mg/l	0.0004 mg/l
Nickel	1.53 mg/l	0.88 mg/l
Silver	0.036 mg/l	0.012 mg/l
Zinc	2.90 mg/l	0.123 mg/l
1,1-dichloroethylene	160 µg/l	96 µg/l
Tetrachloroethylene	350 µg/l	88 µg/l

The RSR require that for the SWPC to be achieved, the sampling locations must be representative of the groundwater contamination and either A) the average concentration of each substance must be equal to or less than the applicable SWPC for at least four consecutive quarterly sampling periods or B) the concentration of each substance which is immediately upgradient of the point at which the contamination discharges to the surface water body is equal to or less than the applicable SWPC, provided that the areal extent of contamination is not increasing over time and that the concentration of the substance of concern is not increasing at any point except as a result of natural attenuation.

In addition to the exceedances of the SWPC, concentrations of 1,1-dichloroethylene, 1-2-dichloroethane, tetrachloroethylene, and trichloroethylene were detected at concentrations that exceeded 10 times the MCL for these compounds in downgradient wells. These exceedances of the MCL are used to determine the exposure potential of dermal contact and ingestion for recreators and environmental samplers in the Naugatuck River and the Steele Brook.

Concentrations of 1,1-dichloroethylene and 1,2-dichloroethane exceeded both the RVC and the IVC in groundwater discharging into the Naugatuck River. The results of local well receptor survey has shown that there are no known active potable water supply wells in the immediate Site area that could be impacted by potential groundwater contamination emanating from the Site. Results of the survey are included in Attachment 4. Volatilization of contaminants in groundwater is unlikely because depth to groundwater measurements indicate groundwater is 26 feet below grade to 34 feet below grade as shown on the attached Table 5. The potential human pathway in this instance would involve volatilization of contaminants from impacted groundwater into the vadose zone, migration through the soil column into indoor air space and inhalation by the receptor.

Groundwater beneath the Site may not be suitable for direct human consumption due to waste discharges, spills or leaks of chemicals or other land use impacts and has been assigned a classification of "GB" by the DEP. The GB groundwater classification includes the Site and surrounding areas within 1.0 mile to the south, east and west. The southern portion of the MacDermid-owned parcel to the north is also classified GB. Based on information provided in the May 23, 2001 "*RCRA Corrective Action Stabilization Report*", and depth to groundwater data collected during July 2002, groundwater beneath the Site is ranges between 26 and 34 feet below grade.

[3] As measured in groundwater prior to entry to the groundwater-surface water/sediment interaction (e.g., hyporheic) zone.

6. Can the **discharge** of "contaminated" groundwater into surface water be shown to be "**currently acceptable**" (i.e., not cause impacts to surface water, sediments or eco-systems that should not be allowed to continue until a final remedy decision can be made and implemented[4])?

__X__ If yes - continue after either: 1) identifying the Final Remedy decision incorporating these conditions, or other Site-specific criteria (developed for the protection of the Site's surface water, sediments, and eco-systems), and referencing supporting documentation demonstrating that these criteria are not exceeded by the discharging groundwater; OR 2) providing or referencing an interim-assessment[5] appropriate to the potential for impact, that shows the discharge of groundwater contaminants into the surface water is (in the opinion of a trained specialists, including ecologist) adequately protective of receiving surface water, sediments, and eco-systems, until such time when a full assessment and final remedy decision can be made. Factors which should be considered in the interim-assessment (where appropriate to help identify the impact associated with discharging groundwater) include: surface water body size, flow, use/classification/habitats and contaminant loading limits, other sources of surface water/sediment contamination, surface water and sediment sample results and comparisons to available and appropriate surface water and sediment "levels," as well as any other factors, such as effects on ecological receptors (e.g., via bio-assays/benthic surveys or Site-specific ecological Risk Assessments), that the overseeing regulatory agency would deem appropriate for making the EI determination.

_____ If no - (the discharge of "contaminated" groundwater can not be shown to be "**currently acceptable**") - skip to #8 and enter "NO" status code, after documenting the currently unacceptable impacts to the surface water body, sediments, and/or eco-systems.

_____ If unknown - skip to 8 and enter "IN" status code.

Rationale and Reference(s):

Groundwater samples collected from on-site monitoring well identified several metals and VOCs that were detected at concentrations that exceeded the SWPC, 10 times the MCL, and the residential and industrial volatilization criteria. A determination of groundwater flow direction at the Site indicates that the contaminated groundwater beneath the Site discharges into the Naugatuck River and/or the Steele Brook.

In order to determine the potential concentration of contaminated groundwater migrating off site and discharging into the Naugatuck River, a Site-specific dilution attenuation factor (DAF) was calculated for arsenic, cadmium, copper, lead, mercury, zinc, 1,1-dichloroethylene, and 1,2-dichloroethane because the highest concentrations of these constituents detected on the Site exceed the respective tabulated SWPC and the RVC for those constituents.

Calculations of an Alternate SWPC were accomplished in accordance with the methodology provided in Section 22a-133k-3 (b)(3)(A) of the RSR. A value for the 7Q10 of the Lower Housatonic River Basin in the vicinity of the Site was determined by conservatively using published low-flow data for the Lower Naugatuck River Basin. The data used was collected from published United States Geological Survey data for the Lower Naugatuck River Basin, and the Connecticut DEP Water Resource Bulletin Number 34 (1982) for estimating the 7-day, 10-year low flow at a Site on the Naugatuck River. The reported 7Q10 for the Naugatuck River in the vicinity of the Site is 721,875 cubic feet/day. Twenty-five percent of the 7Q10 for the Naugatuck River at the Site is 180,469 cubic feet/day. The contamination was estimated conservatively to extend from between monitoring wells MW-113 and MW-104 as downgradient wells that did not have concentrations of metals or VOCs exceeding the applicable criteria. These wells are separated by a distance of approximately 725 feet. According to *The Bedrock Geology of the Waterbury Quadrangle*

published in 1967 by the State Geological and Natural History Survey of Connecticut, the approximate depth to bedrock near the Site is 60 feet below grade, which would be the maximum depth of VOC contamination in the unconsolidated aquifer. As the depth to groundwater below the Site is approximately 30 feet, an estimated saturated thickness of contamination in groundwater below the site is 30 feet. The maximum cross sectional area (A) of contamination in groundwater at the Site is 21,750 square feet. The discharge area was calculated conservatively using the above dimensions, the average hydraulic conductivity (K) is based upon the composition of the soil, which in this case is a very fine to fine sand and has a K of approximately 15 feet/day. The average horizontal hydraulic gradient was calculated using the groundwater contours from the July sampling event and was calculated to be 0.019 feet/foot.

The discharge (K * hydraulic gradient * cross-sectional area) for the Site was calculated to be 6,198.75 cubic feet/day.

The alternative dilution factor for the contaminants ((25% * 7Q10)/discharge area) was calculated to be 29.11.

The highest concentrations detected in monitoring wells on Site and the alternative SWPC for each constituent is presented in the table below.

Constituent	Highest Concentration Detected	Alternate SWPC
Arsenic	0.029 mg/l	0.11 mg/l
Cadmium	0.0499 mg/l	0.17 mg/l
Copper	18.3 mg/l	1.37 mg/l
Mercury	0.0025 mg/l	0.011 mg/l
Lead	0.039 mg/l	0.37 mg/l
Nickel	1.53 mg/l	25.12 mg/l
Silver	0.036 mg/l	0.34 mg/l
Zinc	2.90 mg/l	3.51 mg/l
1,1-dichloroethylene	160 µg/l	2,741 µg/l
Tetrachloroethylene	350 µg/l	2,512 µg/l

A comparison of the data to the alternate SWPC indicates that only copper was detected at concentrations that exceed the alternative SWPC. The concentration of copper that exceeded the alternative SWPC at the Site was detected in MW-110, which is located near the center of contamination and is upgradient of wells MW-111 and MW-114. Neither well MW-111 nor MW-114 had concentrations of copper that exceed the SWPC in 2002.

The Site is located within a highly industrialized area and there are likely several sources contributing to groundwater contamination in the vicinity of the Site. As such, a determination of impact directly from the MacDermid facility to the Naugatuck River or the Steele Brook is virtually impossible. However, in order to determine the contribution of the VOC contamination beneath the Site to the overall contamination within the Naugatuck River, the Site specific dilution attenuation factor was also applied to the VOC concentration data to be representative of the concentration of the groundwater as it enters the Naugatuck River.

Using the dilution attenuation factor of 29.11, the alternative concentrations for VOCs are well below the applicable criteria.

Also, Steele Brook has been assigned a classification of "B" and the Naugatuck River a classification of "C/B" by the Connecticut Department of Environmental Protection (DEP). A designation of "B" indicates that water quality has been impacted by a combination of factors including combined sewer overflows, urban runoff, and inadequate industrial or municipal wastewater treatment. A classification of "C/B" indicates that the surface water body has been impacted by point or non-point sources of pollution and currently does not meet criteria to support one or more designated uses of a class "B" water body. The water quality goal is achievement of a class "B" designation and use which includes recreational use, fish and wildlife habitats, agricultural and industrial supply and navigation. Based upon the classification of these surface water bodies, any contaminant contribution from the VOC contamination to the Naugatuck River or the Steele Brook is not considered significant.

[4] Note, because areas of inflowing groundwater can be critical habitats (e.g., nurseries or thermal refugia) for many species, appropriate specialist (e.g., ecologist) should be included in management decisions that could eliminate these areas by significantly altering or reversing groundwater flow pathways near surface water bodies.

[5] The understanding of the impacts of contaminated groundwater discharges into surface water bodies is a rapidly developing field and reviewers are encouraged to look to the latest guidance for the appropriate methods and scale of demonstration to be reasonably certain that discharges are not causing currently unacceptable impacts to the surface waters, sediments or eco-systems.

7. Will groundwater **monitoring** / measurement data (and surface water/sediment/ecological data, as necessary) be collected in the future to verify that contaminated groundwater has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area of contaminated groundwater?"

cgc
9/26/08

X If yes - continue after providing or citing documentation for planned activities or future sampling/measurement events. Specifically identify the well/measurement locations which will be tested in the future to verify the expectation (identified in #3) that groundwater contamination will not be migrating horizontally (or vertically, as necessary) beyond the "existing area of groundwater contamination."

X* If no - enter "NO" status code in #8.

____ If unknown - enter "IN" status code in #8.

Rationale and Reference(s):

*Exceedances of the screening criteria (i.e. MCL, SWPC) were noted in groundwater. The evaluations presented in Question No. 5 above are appropriate in assessing the significance of human exposure to a surface water in consideration of the effects of groundwater discharges to the surface water. Based on these comparisons, it is determined that the concentrations observed in groundwater at the site represent insignificant risks with respect to human exposure via surface water. Because groundwater contamination at the Site does not pose a significant threat to human or ecological receptors and because the Site is located in an industrialized area with groundwater classified as GB, monitoring of the groundwater at the Site is not considered necessary. Consequently, it is concluded that migration of contaminated groundwater is under control, and Question No. 8 has been answered accordingly ("YE") to document this conclusion.

Migration of Contaminated Groundwater Under Control Environmental Indicator
For the MacDermid Inc, Huntingdon Ave Facility
Waterbury, CT
CTD001164599

Question 7
Supplemental Documentation
This comment is revised to a "Yes" response.

Additional groundwater monitoring will be proposed for the facility to help verify that contaminated groundwater remains within the dimensions of the "existing area of contaminated groundwater." Sampling for an appropriate list of constituents of concern (COCs) will take place quarterly for a minimum of two years. Sampling for COCs will be conducted in wells where they have previously been detected at elevated concentrations and in sentinel wells in order to confirm the area of contamination is not expanding. Groundwater elevation data will be collected quarterly for a minimum of two years in all wells and piezometers in order to evaluate seasonal variations in groundwater flow. Groundwater monitoring will include light non-aqueous phase liquid (LNAPL) measurements in wells where it has previously been detected (e.g., MW- 108 and PZ-4) and detection monitoring in proposed downgradient groundwater wells (e.g., MW-130, MW-15D) and existing down gradient wells (MW-113, MW-114, MW-115).

After completion of the proposed well installation and sampling (contained in the April 2008 *Site Characterization Work Plan*, prepared by GEI Consultants), a comprehensive groundwater monitoring plan will be submitted to EPA for review. EPA will verify consistency with the GWRC EI monitoring requirements and the overall site evaluation.

CJC 9/26/08

8. Check the appropriate RCRIS status codes for the Migration of Contaminated Groundwater Under Control EI (event code CA750), and obtain Supervisor (or appropriate Manager) signature and date on the EI determination below (attach appropriate supporting documentation as well as a map of the facility).

__X__ YE - Yes, "Migration of Contaminated Groundwater Under Control" has been verified. Based on a review of the information contained in this EI determination, it has been determined that the "Migration of Contaminated Groundwater" is "Under Control" at the MacDermid Incorporated facility, EPA ID # **CTD001164599**, located at 526 Huntingdon Avenue, Waterbury, Connecticut. Specifically, this determination indicates that the migration of "contaminated" groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the "existing area of contaminated groundwater" This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

_____ NO - Unacceptable migration of contaminated groundwater is observed or expected.

_____ IN - More information is needed to make a determination.

Completed by (signature) Carolyn J. Casey Date 9/26/05
(print) CAROLYN CASEY
(title) RCRA FACILITY MANAGER

Supervisor (signature) James S. Chow Date 9/26/05
(print) James S. Chow
(title) Chief, RCRA Corrective Action
(EPA Region or State) US EPA Region 1

Locations where References may be found:

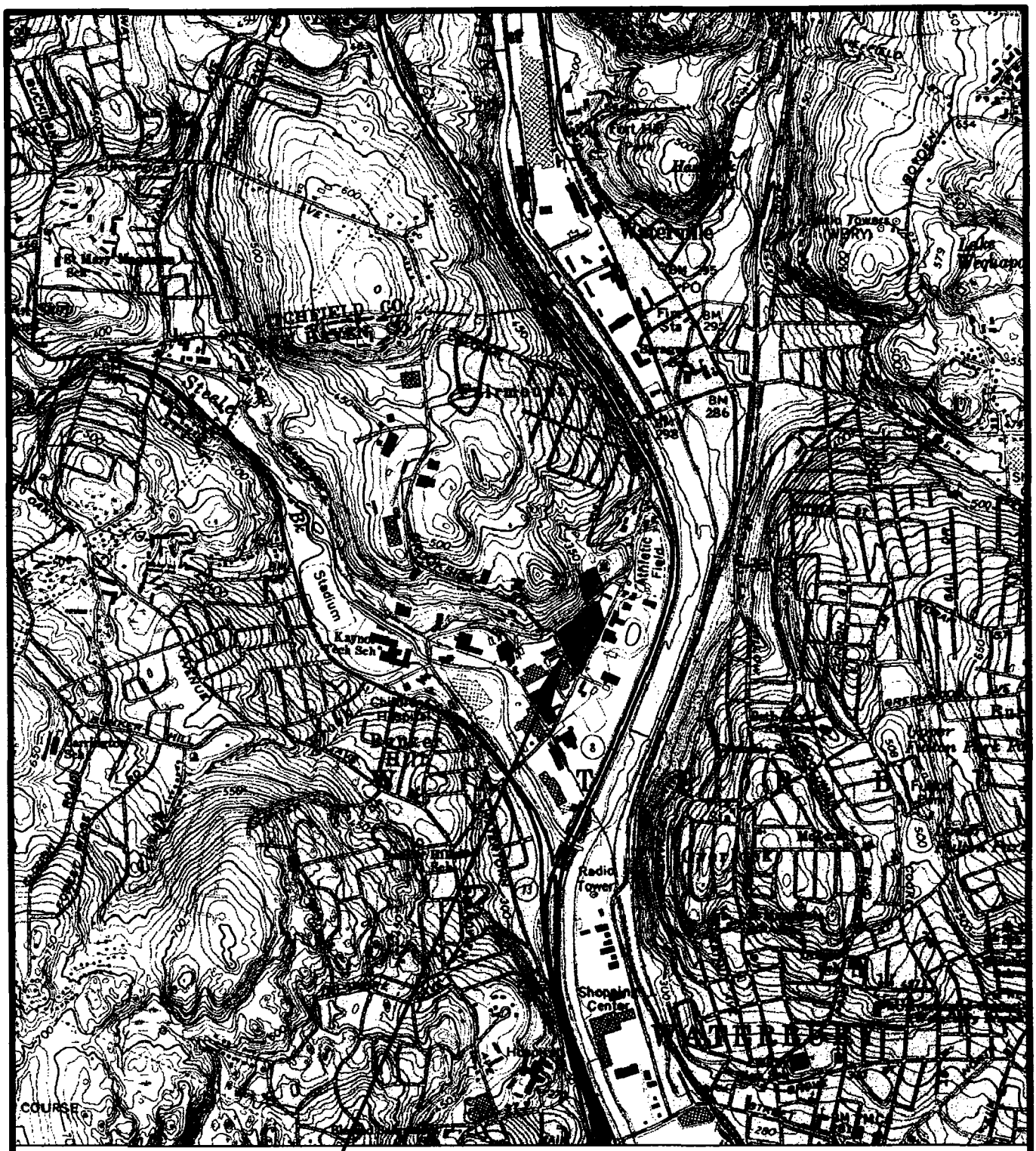
_____
_____
_____
_____
_____

Contact telephone and e-mail numbers

(name)_____
(phone #)_____
(e-mail)_____

Attachment 1

Figures



SITE LOCATION

MAP REFERENCE:
USGS 7.5 MINUTE SERIES QUADRANGLE
WATERBURY, CONN. DATED 1968 AND
REVISED 1994

1000 0 1000 2000 3000

SCALE IN FEET

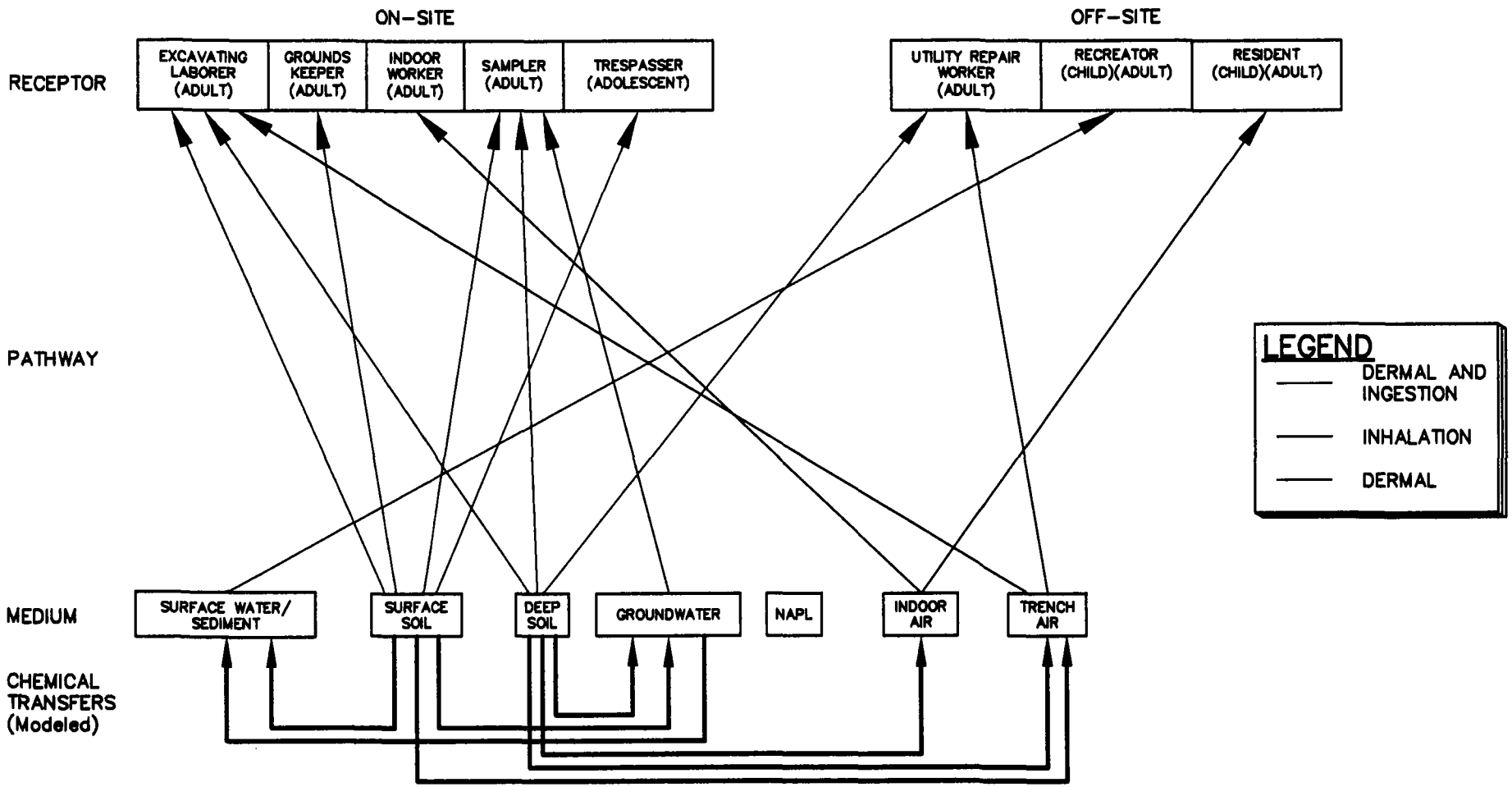
N

MACDERMID, INC.
526 HUNTINGDON AVENUE, WATERBURY, CT

LOCATION MAP
USGS TOPOGRAPHIC MAP

Comm.No.	
91MH206	FIGURE 1

91MH206-F1.dwg



MACDERMID INC.
526 HUNTINGDON AVENUE, WATERBURY, CT

CONCEPTUAL SITE MODEL

Comm.No.	FIGURE 2	
91MH204		

RCRA RECORDS CENTER
FACILITY MacDermid
I.D. NO. CTD001164599
FILE LOC. R-13
OTHER RDMS# 100192

Loureiro Engineering Associates, Inc.

November 22, 2002

United States Environmental Protection Agency
New England Region
Office of Site Remediation and Restoration
1 Congress Street, Suite 1100 (HBT)
Boston, MA 02114-2023

Attn: Ms. Carolyn Casey

Re: Conceptual Site Model and Work Plan
MacDermid Incorporated
526 Huntingdon Avenue, Waterbury, Connecticut

Dear Ms. Casey:

On behalf of MacDermid Incorporated, Loureiro Engineering Associates, Inc. (LEA) has prepared this letter and associated attachments in response to your July 22, 2002 email containing comments to the *Conceptual Site Model (CSM) and Screening Levels* prepared by LEA and dated May 2002. LEA prepared this document in support of MacDermid's participation in the Voluntary Corrective Action Program (VCAP).

Also included with this letter are the *Documentation of Environmental Indicator Determination (EID)* forms for *Current Human Exposures Under Control (CA-725)* and *Migration of Contaminated Groundwater Under Control (CA-750)*. The EID forms are supported by drawings, figures, tables and historical documentation, which are appended to each EID.

As discussed during recent telephone communications, this letter is being submitted in lieu of a revised CSM. The EPA comments, which were sent via email *Draft* to MacDermid on June 26, 2002 and final on July 22, 2002, are presented below. Following each EPA comment are MacDermid's responses that have been prepared by LEA.

General Comments

1. All depth to water measurements for all wells should be summarized in a table and provided to EPA. MacDermid claims that the depth to groundwater is approximately 30 feet below grade but there has been no data provided to support that claim.

LEA Response: On Page 2-2 of the CSM, LEA states that based on information provided in the May 23, 2001 "RCRA Corrective Action Stabilization Report", depth to groundwater beneath the Site is approximately 33 feet below grade. LEA collected groundwater data during

implementation of the work plan and depth to water measurements collected during field activities are presented in the attached EID forms. The following table summarizes depth to groundwater measurements collected by LEA prior to initiation of the work plan, confirming depth to water beneath the developed portions (Site buildings) and majority of the Site as between 25 and 34 feet below grade. Note that MW-101 and MW-102 are located near the former sludge disposal area across Huntingdon Avenue to the North of the Site. It should also be noted that MW-101 was installed into the bedrock and is not in the same water-bearing unit as the other wells on Site, resulting in a substantial difference in groundwater elevation.

Monitoring Well	*Depth to Groundwater (feet below grade) July 10, 2002*	*Depth to Groundwater (feet below grade) July 30, 2002*
MW-101 (MAC-6)	*2.46*	*5.42*
MW-102 (MAC-5)	*25.56*	*25.75*
MW-103 (GZ-2)	*30.55*	*31.01*
MW-104 (MAC-7)	*19.43 (Well obstructed.)*	*Well obstructed.*
MW-105 (GZ-7)	*31.86*	*32.39*
MW-106 (MAC-4)	*Abandoned/destroyed.*	*Abandoned/destroyed.*
MW-107 (MAC-3)	*Abandoned/destroyed.*	*Abandoned/destroyed.*
MW-108 (GZ-9)	*32.60*	*Product, did not measure.*
MW-109 (GZ-8)	*32.25*	*31.87*
MW-110 (MAC-1)	*Could not locate.*	*32.63*
MW-111 (GZ-6)	*31.28*	*31.71*
MW-112 (GZ-3)	*31.71*	*31.78*
MW-113 (GZ-5)	*33.85*	*34.27*

Further, an attempt was made to identify the screened interval in each well. However, with one exception, those wells in which the screened interval is unknown are either destroyed or obstructed (i.e. MW-104, MW-106 and MW-107). The screened interval of monitoring well MW-110 is unknown based on a review of historical data. LEA attempted to determine the screened interval of this well; however, exploratory techniques were unsuccessful in confirming depth of screened interval in this well.

2. The plan should separate the work that is proposed to meet the two EIs and separate the two screening level processes proposed to determine if each of the two EIs have been met. Different screening criteria should be used for the HEC EI than the GWRC EI.

LEA Response: The work plan has been revised to reflect the use of different screening criteria for the Human Exposures Under Control (HEC) EI and the Groundwater Exposure Under Control (GWRC) EID. The amended screening level processes are addressed in applicable comments and responses in this letter.

Specific Comments
Section 4.1.2 Indoor Air

3. Please clarify why "...there is no potential pathway for the volatilization of contaminants in Site soil into surrounding air." Contamination in site groundwater is likely from an initial release to soil. Although volatile organic compounds were only detected in soils that are not beneath buildings, there are several AOCs within the building that have not been adequately addressed. For example, no soil samples have been collected in the immediate vicinity of AOC-G, the hazardous waste storage area, or in some areas within AOC-D (pilot plant/main mixing area) and AOC-E (former lagoons/WWTS/bulk waste unloading and storage/copper etchant recycling and spill area/acid tank farm). Since these soils are beneath buildings and as long as the buildings remain in place there is no direct exposure risk, but this does not address a potential indoor air inhalation risk. Even if groundwater is 30 feet below grade, volatilization from contaminated soils may create an indoor air risk.

LEA Response: Volatilization of contaminants in groundwater is unlikely because depth to groundwater measurements indicate groundwater is approximately 26 feet below grade to 34 feet below grade. The potential human pathway in this instance would involve volatilization of contaminants from impacted groundwater into the vadose zone, migration through the soil column and the concrete floor and into indoor air space and inhalation by the receptor. Based upon this information, the pathway for indoor air is not considered complete. Nonetheless, an assessment of groundwater quality and potential human inhalation exposure was conducted by comparing the groundwater sampling data to the Connecticut Remediation Standard Regulations Residential Volatilization Criteria for off-site residents and the Industrial/Commercial Volatilization Criteria for on-site workers.

4. Table 1 and figure 2 do not show that an indoor air screen is needed or will be completed for the off-site resident, yet this paragraph states that it will be done. Conversely, this section does not discuss an indoor air screen for workers on-site yet table 1 and figure 2 indicate the screen is needed and will be completed for this receptor. Please revise as appropriate so that the figures and text create a clear picture of the potential receptors and screening level process. Evaluation of the indoor air pathway is needed for both of these receptors.

LEA Response: A groundwater contour map was generated for the Site that indicates that groundwater beneath the Site does not flow toward the off-site residences, and therefore the residences are not considered a risk of exposure the contamination in the groundwater. Also, as presented in question 3 of the HEC EI it is our belief that this exposure pathway is not present because the only possible scenario for volatilization is from groundwater and, based on depth to groundwater (i.e. ~30 feet), it is unlikely that exposure pathways are complete.

Section 4.1.3 Surface Water
Page 4-2

5. It is not clear if this section is proposing to compare surface water sample results to the Surface Water Protection Criteria (SWPC) or to the lower of the aquatic life or human health protection criteria (CTDEP Numerical Water Quality Criteria) mentioned in the second paragraph of this section. Table 1 does not provide any further clarification. Although it is obvious that some of the RSR SWPC are 10 times the lower of the aquatic life or human health criteria this is not always the case, particularly for VOCs.

   It would not be an appropriate or necessarily "a conservative evaluation" to compare surface water analytical results to the SWPC. These criteria are for screening groundwater for the protection of surface water. Please provide clarification and/or appropriate screening levels.

LEA Response: Based on our recent communications, LEA will first complete a comparison of groundwater sampling data with the United States Environmental Protection Agency Maximum Contaminant Levels (MCL) to assess potential human exposures as discussed in the HEC EI.

Groundwater sampling data will then be compared to the Surface Water Protection Criteria (SWPC) to determine if there is potential for impact to surface water from site groundwater as discussed in the GWRC EI. LEA maintains that potential contributors between the site and rivers would skew surface water sampling data.

Page 4-3

6. The first paragraph states that "...an evaluation of groundwater quality leaving the Site is necessary first to determine if a potential impact from contaminated groundwater discharging to surface water is likely." This would be appropriate for meeting the EIs as long as no direct discharges still exist. For a final remedy, direct releases would also need to be considered; a determination of impact to the streams or sediments cannot be made based solely on a potential impact from contaminated groundwater. Documentation shows releases occurred directly to surface water via storm drains and the waste-water treatment system sewer.

LEA Response: Facility manufacturing operations have been discontinued with the exception of limited office work and product shipping and receiving. As such, no active direct discharges exist at the facility. In developing final remedy for the Site, direct historical releases will be considered and the necessity for surface water and sediment sampling will be evaluated at that time.

Section 4.1.5
Page 4-4

7. In the second paragraph, please clarify what the last sentence means and/or correct the typographic errors: "...detected consistently in sediment samples collected from on-site surface water samples..."

LEA Response: Correction made. "...collected from adjacent surface water bodies..."

8. The last paragraph in this section should discuss the "release assessment" and any remedy that may have taken place. The 1994 data shows elevated levels of copper in sediments (likely from the copper etchant release) and unless some remediation and post remediation sampling took place, additional evaluation/sampling is warranted at some point in the future. For the purposes of the EIs, this should at least be noted. Again, for a final remedy, basing the need for sediment and surface water sampling on groundwater discharges alone is not appropriate since other release pathways to surface water existed.

LEA Response: The 1994 release assessment completed by HRP Associates included collection of eighteen sediment samples including two upstream of the discharge. The sediment samples were analyzed for copper, nickel, lead, and zinc. The results of the assessment indicate that concentrations of metals were generally highest at the point of discharge into Steele Brook with declining concentrations further downstream. Two exceptions are the concentrations of nickel and zinc, which were greater in sediment samples collected upstream in the Naugatuck River in comparison to those collected at the point of the release. No information has been identified that suggests remediation and/or post-remediation sampling was conducted.

Table 1

9. The Work Plan should be perfectly clear as to which criteria are being used for screening each media. For sediment, the table states that a comparison will be made to site screening levels yet "site screening levels" has not been defined. Also, for surface water screening, the table states that surface water and groundwater results will be compared to the CTDEP RSR. Please clarify by listing the specific RSR criteria.

LEA Response: Table has been revised (and attached to EID forms) to define the particular criteria to which data will be compared (i.e. Residential Volatilization Criteria, Surface Water Protection Criteria).

10. Screening surface water data against the CTDEP SWPC for groundwater is not appropriate to evaluate an off-site sampler or recreator's dermal/incidental ingestion risk. The SWPC are for screening groundwater for the protection of surface water and have a dilution factor applied to account for dilution of contaminants in groundwater prior to reaching the surface

water body. The Maximum Contaminant Levels would be appropriate and conservative numbers to use for an initial screen for dermal risk.

LEA Response: The Maximum Contaminant Levels were used for the initial screen for dermal risk. This is reflected in the attached revised Table 1.

11. Under indoor air inhalation, residents and not excavating laborers should have a "YES" for this pathway.

LEA Response: As discussed in question 3 of the Human Exposures EI, off-site residents are not believed to be at risk of an exposure based upon the direction of groundwater flow and the depth of groundwater at the Site.

Figure 2

14. Some of what is provided here conflicts with what is presented in Table 1. For example, the adult recreator should have a pathway to surface water and sediment, not surface soil. An indoor worker also has an exposure to surface soil as shown in Table 1.

LEA Response: Figure 2 has been revised to eliminate ON-SITE adult recreator, based on recent telephone correspondence between LEA and EPA. The revised figure is attached to this letter.

15. Please provide the distinction between an indoor worker and maintenance worker or delete one of the two.

LEA Response: Correction has been made to eliminate maintenance worker.

16. The off-site resident should also have a pathway for indoor air.

LEA Response: LEA disagrees that a potential exists for inhalation of volatilized contaminants by off-site residents based on the types of contaminants, significant depth to groundwater, and groundwater flow direction; however, the maximum concentrations of constituents of concern detected in groundwater will be compared to the Residential Volatilization Criteria of the Connecticut Remediation Standard Regulations to provide an evaluation of the potential risks to off-site residents.

Drawing 1

17. Unusual abbreviation should be spelled out (e.g., compounds detected in groundwater- ACT, SBBZ, MCM).

LEA Response: An expanded legend has been added to the drawing and is included with the

EID forms.

18. Units of measurement should be provided for the contaminant concentrations shown here for groundwater and soil.

LEA Response: An expanded legend has been added to the drawing and included with the EID forms.

Technical Review of the Voluntary Corrective Action Program Work Plan
MacDermid Incorporated
526 Huntingdon Avenue Waterbury, CT

General Comments

1. A previous proposal included the installation of 6 monitoring wells and 2 piezometers. Have these wells and piezometers been installed and if not, why aren't they included in the current proposal? In addition, EPA previously discussed with MacDermid the need for better monitoring well coverage along Gear street, between the facility property and the adjacent residential properties. Please clarify why no additional wells are proposed for installation along Gear Street and/or explain how the off-site indoor air pathway will be adequately evaluated.

LEA Response: The previous proposal was submitted by HRP Associates, Inc. and detailed their approach to stabilization at the site. LEA has proposed to first complete an evaluation of groundwater sampling data and groundwater flow direction. The evaluation of data will include a comparison to the Connecticut Remediation Standard Regulations Residential Volatilization Criteria to evaluate the off-site indoor air pathway. The data will be used in conjunction with an assessment of groundwater flow direction which will be used to determine the potential for migration of site groundwater onto nearby residential properties.

2. Several comments contained in EPA's February 11, 2002 letter have not been addressed either with a written response or as work proposed within the work plan. The following are some general and specific examples:

   Numerous comments regarding inaccurate or incomplete data summary tables.

   General comment 9 - Soil contamination should be included as a data gap for many AOCs because either no data exists or very limited data exists (one sample in many cases). Although a pathway may not exist for some of these AOCs as the areas are covered w/pavement or buildings, without the history of a unit (have the floor trenches always discharged to the WWTS and have they always been epoxy coated?), the data gaps still exist. For example, at AOC-D: concrete trenches are not impermeable and are

often times the source of sub-slab soil contamination, particularly those that may remain wet for periods of time due to the nature of the processes. Other examples include AOC-A, AOC-F, AOC-K.

LEA Response: LEA's understanding based on our recent communications is that sampling is not warranted in areas where a direct exposure pathway does not exist or exposure to media is controlled (i.e. beneath a concrete floor).

Additional comment 11 - Again, it is necessary to obtain information on the use of water supply wells, industrial water supply wells and remediation wells to evaluate potential exposure routes, potential human health impacts and to evaluate any potential effects on groundwater and contaminant migration that pumping these wells may have.

LEA Response: Information pertaining to the use of water supply wells, industrial supply wells and remediation wells has been included with the EID forms. LEA incorporated the well survey information completed by HRP Associates, Inc. as well as completed a windshield survey to determine location and use of water supply wells in the area.

Any additional field work that is needed should, at a minimum, be reflected in a revised schedule. Revised data summary tables should be included in the EI documentation.

LEA Response: Any changes to the proposed work plan will be reflected in an updated schedule.

3. Please submit the surface water and sediment sampling SOPs for review prior to conducting any such sampling.

LEA Response: These documents were not submitted since sediment and surface water sampling were not proposed unless results of groundwater sampling suggested that impact to these media is a possibility.

4. Surface water and sediment samples should be collocated. The schedule shows that these are two distinct sampling events with surface water sampling starting 3 days after sediment sampling.

LEA Response: If surface water and sediment sampling is conducted, sampling will be conducted simultaneously. If necessary, revision to the schedule will be made and submitted.

5. Additional information is needed regarding the surface water and sediment sampling (e.g., what measurements will be taken in the field and what are the constituents of concern?)

LEA Response: ***If surface water and sediment sampling is conducted, this information will be included in an updated sampling plan.***

We trust this information addresses your comments. If you have any questions regarding this project, please do not hesitate to contact me directly at (860) 747-6181.

Sincerely,

LOUREIRO ENGINEERING ASSOCIATES, INC.

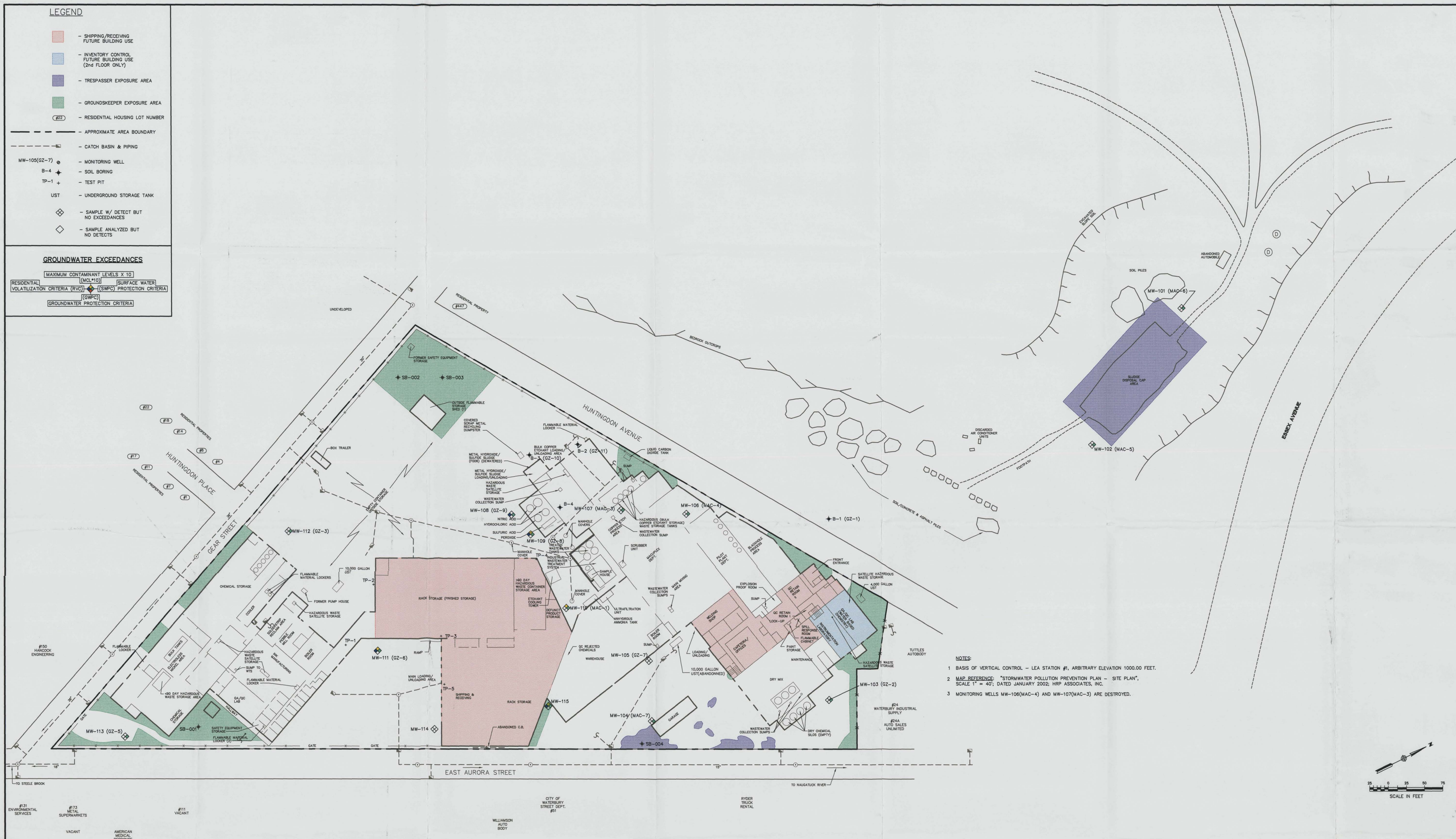
Kimberly M. Clarke
Project Manager

Attachments

CC: Mr. Troy Charlton, MacDermid Incorporated
Mr. Richard Nave, MacDermid Incorporated

Attachment 2

Drawings



MW-101/MAC-6			
Sample Date	03/01/1995	02/12/2001	07/30/2002
Constituent			
METALs	–	–	–;–
As	ND	*0.0062*	*0.007;0.008*
Ba	0.003	0.18	ND;ND
Cu	0.030	0.011	ND;ND
Zn	ND	0.11	0.048;0.041
PEST	ND	ND	
Physical Analyses	–;ND	ND	ND;ND
CN (Tot)	ND	ND	ND;ND
CN (Am)		ND	
Fluoride	0.07	ND	
ETPH			ND;ND
SVOCs	ND	ND	
VOCs	ND	–	ND;–
ACT	ND	11	ND;ND
MC	ND	ND	ND;0.9 L
Depth of Boring	36.00'		
Depth to GW	~ 5.42'		

MW-102/MAC-5			
Sample Date	03/01/1995	02/12/2001	07/30/2002
Constituent			
METALs	–	–	–
Ba	0.016	0.15	ND
Cr	ND	ND	0.013 L
Cu	*0.060*	0.01	0.027
NI	ND	ND	0.029 L
Ag	0.011	ND	ND
Zn	0.067	0.043	0.031
PEST	ND	ND	
Physical Analyses	–;–	ND	–
CN (Tot)	*0.13*	ND	ND
CN (Am)	ND	ND	
Fluoride	0.10	ND	
ETPH			0.46
SVOCs	ND	ND	
VOCs	ND	–	–
ACT	ND	14	ND
PCE	ND	ND	1.6
Depth of Boring	32.00'		
Depth to GW	~ 25.75'		

MW-103/GZ-2			
Sample Date	03/01/1995	02/12/2001	07/30/2002
Constituent			
METALs	–	–	–
Ba	0.036	0.26	0.066
Cr	0.005	ND	0.078
Cu	0.022	ND	0.030
Pb	*0.015*	ND	0.0106
NI	ND	ND	0.054
Ag	*0.032*	ND	ND
Zn	ND	0.066	0.035
PEST	ND	ND	
Physical Analyses	ND;ND	ND	–
CN (Tot)	ND	ND	ND
CN (Am)		ND	
Fluoride	ND	ND	
ETPH			0.13 L
SVOCs	ND	ND	
VOCs	ND	–	ND
ACT	ND	9.4	ND
Depth of Boring	35.00'		
Depth to GW	~ 21.01'		

MW-104/MAC-7	03/01/1995
Constituent	
METALs	–
Cr	0.005
Cu	0.027
Zn	0.032
PEST	ND
Physical Analyses	ND
CN (Tot)	*0.13*
CN (Am)	ND
Fluoride	ND
SVOCs	ND
VOCs	–
ACT	38
MTBE	7.0

MW-105/GZ-7			
Sample Date	03/01/1995	02/12/2001	07/29/2002
Constituent			
METALs	–	–	–
Ba	0.465	0.20	0.128
Cr	ND	ND	0.012 L
Cu	0.020	ND	0.005 L
NI	ND	ND	0.016 L
PEST	ND	ND	
Physical Analyses	–;ND	ND	–
CN (Tot)	ND	ND	ND
CN (Am)		ND	
Fluoride	0.27	ND	
ETPH			0.071 L
SVOCs	ND	ND	
VOCs	–	–	–
ACT	ND	7.0	ND
CFM	ND	0.74	0.8 L
MC	ND	1.5	ND
PCE	17	8.2	8.4
TCFM	11	5.3	5.8
Depth of Boring	37.00'		

MW-106/MAC-4	03/01/1995
Constituent	
METALs	–
As	*0.036*
Ba	0.006
Cr	0.014
Cu	*8.68*
Pb	0.013
Hg	*0.0011*
NI	0.342
Se	*0.056*
Ag	0.010
Zn	0.026
PEST	ND
Physical Analyses	–
CN (Tot)	*0.35*
CN (Am)	ND
Fluoride	4.1
SVOCs	ND
VOCs	–
123TCB	4.9
124TCB	18
2DCB	3.0
12DCA	2.0
4DCB	1.1
OCTL	2.0
ACT	110
CFM	4.1
MCM	5.2
MC	38
PCE	1.5
TL	1.0
TCE	3.3
CDCE	1.1

MW-107/MAC-3	03/01/1995
Constituent	
METALs	–
As	*0.069*
Ba	0.020
Cd	*0.014*
Cr	0.200
Cu	*162*
Pb	*0.055*
Hg	*0.0015*
NI	0.412
Se	*0.094*
Ag	*0.055*
Zn	*7.75*
PEST	ND
Physical Analyses	–
CN (Tot)	*0.07*
CN (Am)	ND
Fluoride	10.0
SVOCs	–
NAP	1.0
VOCs	–
123TCB	2.9
124TCB	16
2DCB	7.5
4DCB	2.1
ACT	140
CFM	3.2
MCM	4.2
MC	5.7
PCE	2.0

MW-108/GZ-9		
Sample Date	03/01/1995	02/12/2001
Constituent		
METALs	–	–
Ba	0.037	0.16
Cr	0.007	ND
Cu	*1.14*	*0.38*
NI	0.408	0.24
Se	0.01	ND
Ag	*0.026*	ND
Zn	ND	0.098
PCBs		ND
PEST	ND	ND
Physical Analyses	–;ND	–;–
CN (Tot)	ND	ND
CN (Am)		ND
Diesel		90000
Fluoride	1.50	2.6
Gasoline Components		ND
TPH, High Range		990000
SVOCs	–	–
PIPTL	ND	0.51
NAP	2.4	1.2
VOCs	–	–
TCA	4.0	1.9
11DCA	3.8	8.6
124TCB	3.9	2.4
124TMBZ	ND	1.0
2DCB	57	12
3DCB	1.3	0.98
4DCB	10	2.0
ACT	ND	7.9
CBZ	12	8.3
CEA	ND	1.0
MC	ND	0.54
PCE	9.3	16
TCE	1.0	0.92
VC	ND	*2.7*
CDCE	1.6	3.7
XYL(m,p)	2.0	ND
XYL(o)	2.3	2.4
MTBE	1.8	ND
Depth of Boring	35.00'	

MW-109/GZ-8		
Sample Date	02/12/2001	07/29/2002
Constituent		
METALs	–	–
As	ND	*0.009*
Ba	0.16	0.077
Cr	0.026	0.155
Cu	*4.1*	*1.06*
Hg	*0.008*	*0.0005*
NI	0.85	*1.25*
Zn	0.064	0.041
PEST	ND	
Physical Analyses	–	–
CN (Tot)	*0.064*	ND
CN (Am)	0.012	
Fluoride	0.66	
ETPH		0.77
SVOCs	–	
NAP	0.56	
VOCs	–	–
TCA	0.55	ND
11DCA	ND	0.5 L
124TCB	33	
2DCB	5.5	2.8
12DCA	5.7	4.4
3DCB	ND	0.7 L
4DCB	0.91	0.9 L
OCTL	0.74	ND
ACT	230	ND
CBZ	0.59	ND
CFM	0.92	ND
MIBK	7.7	ND
MC	0.99	ND
PCE	4.7	3.5
TDCE	0.99	ND
Depth of Boring	35.00'	
Depth to GW	~ 31.87'	

MW-110/MAC-1				
Sample Date	03/01/1995	02/12/2001	02/12/2001	07/29/2002
Constituent				
METALs	–	–	–	–
As	*0.058*	ND	ND	ND
Ba	0.021	0.15	0.31	0.040 L
Cd	*0.037*	*0.083*	*0.11*	*0.0499*
Cr	0.500	0.086	*1.4*	0.117
Cu	*146*	*13*	*36*	*18.3*
Pb	*0.016*	ND	0.006	ND
Hg	*0.0012*	*0.001*	*0.006*	*0.0025*
NI	0.846	*1.5*	*1.6*	*1.53*
Ag	*0.028*	*0.043*	*0.16*	*0.036*
Zn	*6.26*	*2.9*	*4.9*	*2.90*
PEST	ND	ND		
Physical Analyses		–		–
CN (Tot)	*0.60*	0.012		ND
CN (Am)	0.1	ND		
Fluoride	8.4	0.60		
ETPH				0.38
SVOCs	ND	ND		
VOCs	–	–		–
TCA	ND	0.69		0.8 L
112TCA	ND	ND		3.2
11DCA	1.2	ND		ND
124TCB	14	5.0		
2DCB	11	0.53		ND
12DCA	1.2	1.4		0.5 L
4DCB	2.8	ND		ND
ACT	140	45		ND
CBZ	3.0	ND		ND
CFM	5.5	5.7		1.8
MCM	5.0	0.88		ND
DDM	ND	ND		0.7 L
MC	8.5	ND		ND
PCE	12	ND		*95*
TL	1.2	93		ND
TCE	ND	ND		0.7 L
MTBE	4.4	ND		ND
Depth to GW	~ 32.63'			

MW-111/GZ-6			
Sample Date	03/01/1995	02/12/2001	07/29/2002
Constituent			
METALs	–	–	–
Ba	0.067	0.42	0.209
Cd	ND	ND	0.0013
Cr	ND	ND	0.047 L
Cu	ND	0.014	0.009 L
Pb	ND	ND	0.0099
NI	ND	ND	0.075
Zn	ND	*0.15*	0.054
PEST	ND	ND	
Physical Analyses	–;ND	ND	–
CN (Tot)	ND	ND	ND
CN (Am)		ND	
Fluoride	0.04	ND	
ETPH			1.1 H
SVOCs	ND	ND	
VOCs	–	–	–
TCA	4.2	1.9	2.6
112TCA	ND	ND	0.7 L
11DCA	74	42	43
11DCE	ND	0.50	*2.0*
12DCA	4.0	17	*84*
ACT	ND	11	ND
CBZ	ND	ND	0.9 L
CEA	ND	5.1	2.1
CFM	ND	ND	1.8
DDM	ND	2.0	2.0
MC	ND	ND	0.7 L
PCE	6.0	9.4	20
TCE	ND	0.84	1.3
VC	ND	0.75	ND
CDCE	ND	1.2	1.7
Depth of Boring	35.00'		

MW-112/GZ-3			
Sample Date	03/01/1995	02/12/2001	07/29/2002
Constituent			
METALs	–	–	–
Ba	0.045	0.27	0.037 L
Cr	0.029	ND	0.041 L
Cu	0.026	ND	ND
NI	ND	ND	0.026 L
Se	0.013	ND	ND
Zn	ND	*0.16*	0.017
PEST	ND	ND	
Physical Analyses	ND;ND	ND	–
CN (Tot)	ND	ND	ND
CN (Am)		ND	
Fluoride	ND	ND	
ETPH			0.31
SVOCs	ND	ND	
VOCs	–	–	–
PCE	12	3.0	6.2
TCE	1.8	0.81	1.9
CDCE	2.8	ND	ND
Depth of Boring	35.00'		

MW-113/GZ-5	03/01/1995	02/12/2001	07/29/2002
Constituent			
METALs	–	–	–
Ba	0.089	0.44	0.065
Cd	ND	ND	0.0012
NI	ND	ND	0.012 L
Se	0.006	ND	ND
Zn	ND	*0.16*	0.029
Physical Analyses	–	–	–
CN (Tot)	ND		ND
Fluoride	ND		
ETPH			1.9
VOCs	ND	–	ND
ACT		14	
CM		0.56	
TBBZ		0.7	
SBBZ		1.6	
PIPTL		0.91	
Depth to GW	~ 32.39'		

MW-114	09/05/2002
Constituent	28.00' – 38.0
METAL	–;–
Ba	0.180;0.174
PHYSC	–;–
CN	ND;ND
ETPH	0.53;0.54
VOCs	–;–
11DCA	0.6 L;0.6 L
12DCA	0.6 L;0.6 L
BDCM	2.0;2.1
CFM	3.6;3.9
CDBM	1.1;1.1
DDM	2.2;2.2
MC	0.6 L;0.7 L
PCE	9.5;8.5
Depth of Boring	38.00'
Depth of GW	~31.91'

MW-115	09/05/2002
Constituent	28.00' – 38.0
METAL	–
As	*0.029*
Ba	0.430
Cr +6	0.059
Cr	0.238
Cu	*0.170*
Pb	*0.039*
Hg	0.0004 L
NI	0.480
Zn	*0.148*
PHYSC	–
CN	0.013
ETPH	0.51
VOCs	–
1112TTCA	1.0 L
TCA	97 H
112TCA	34 H
11DCA	9.3
11DCE	*160 H*
2DCB	21 H
12DCA	*150 H*
4DCB	4.0
ACT	440 HJ
BZ	1.3
BDCM	2.1
CBZ	7.1
CFM	180 H
DDM	0.6 L
EBZ	13
MEK	36 HJ
MC	210 H
PCE	*350 H*
TL	18 H
TCE	*150 H*
XYL	78 H
CDCE	7.7
Depth of Boring	38.00'
Depth of GW	~32.25'

DATA BLOCK LEGEND

LOCATION IDENTIFIER — SAMPLE DATE — SAMPLE DEPTH

ET-SB-06	11/06/1997		
Constituent	0' – 2'	2' – 4'	4' – 6'
METALs	–		
As	2.4		
Pb	15.8 J		
TPH			*900*
VOCs			ND
VOCs (screening)	ND	ND	ND
Depth of Boring	10.00'		
Depth To Groundwater	~12.00'		

- DASH INDICATES DETECT(S) IN CONSTITUENT GROUP (SPECIFIC COMPOUNDS IDENTIFIED BELOW)
- BLANK CELL INDICATES NO ANALYSIS CONDUCTED
- "J" IS A CONSTITUENT CONCENTRATION QUALIFIER
- ITALICIZED AND RED COLORED CONSTITUENT CONCENTRATION INDICATES AN EXCEEDANCE OF ONE OR MORE CRITERIA IDENTIFIED IN THE CONNECTICUT REMEDIATION STANDARD REGULATIONS

NOTES:

1. THE RESPECTIVE UNITS FOR WATERS IN WHICH QUANTIFIABLE CONCENTRATIONS ARE DETECTED ARE AS FOLLOWS: VOCs, SVOCs, PCBs – MICROGRAMS PER LITER (µg/l); MASS METALS AND TPH – MILLIGRAMS PER LITER (mg/L).
2. VOCs CATEGORY REFERS TO COMPOUNDS DETECTED USING EPA METHOD 8260.
3. VOCs (SCREENING) CATEGORY REFERS TO COMPOUNDS DETECTED AT THE LEA ANALYTICAL LABORATORY USING MODIFIED METHOD 3810.
4. WHERE ENCOUNTERED, THE DEPTH TO GROUNDWATER, AS MEASURED DURING GROUNDWATER SAMPLING, IS SHOWN ON THE ASSOCIATED DATA BLOCK.
5. TPH IS CONSIDERED TO BE UNDER THE GENERAL GROUP HEADING OF "PHYSICAL ANALYSES".

GENERAL NOTES:

1. SAMPLES WERE COLLECTED AT TWO FOOT INTERVALS TO THE BOTTOM OF THE BORING. THE "DEPTH OF BORING" IS INDICATED ON THE ASSOCIATED DATA BLOCK.
2. ANALYSES WERE CONDUCTED ON SAMPLES FROM THE INTERVAL AS SHOWN ON THE DATA BLOCK. CONCENTRATIONS DETECTED ARE SHOWN. CONSTITUENTS NOT DETECTED ARE SHOWN AS "ND" ONLY IF ASSOCIATED COMPOUNDS ARE DETECTED AT THAT DEPTH INTERVAL. DEPTH INTERVALS WHERE NO COMPOUNDS WERE DETECTED ARE NOT SHOWN.
3. THE UNITS FOR SOILS IN WHICH QUANTIFIABLE CONCENTRATIONS ARE AS DETAILED IN DATA BLOCK LEGEND NOTES.
4. VOC ANALYSES WERE CONDUCTED BY THE LEA ANALYTICAL LABORATORY FOR THE FOLLOWING COMPOUNDS: BZ, EBZ, PCE, TCA, TCE, TL, XYL (o) AND XYL (m,p) AND ARE DESIGNATED AS "(SCREENING)" ON DATA BLOCKS.
5. SELECTED SOIL SAMPLES WERE SUBMITTED TO AVERILL ENVIRONMENTAL LABORATORY FOR ANALYSIS FOR VOCs USING EPA METHOD 8260 IN ORDER TO CONFIRM THE PRESENCE OF SPECIFIC COMPOUNDS AND TO DETERMINE THE PRESENCE OF COMPOUNDS FOR WHICH ANALYSIS IS NOT CONDUCTED AT THE LEA ANALYTICAL LABORATORY.
6. IN THE CASE OF A DUPLICATE SAMPLE, CONSTITUENTS DETECTED OR NON-DETECTED (ND), ARE SEPARATED BY A SEMICOLON WITHIN THE SAMPLING INTERVAL WHERE THE DUPLICATION OCCURS.

CONSTITUENT ABBREVIATIONS

VOCs

ACT Acetone
BZ Benzene
CDIS Carbon disulfide
CBZ Chlorobenzene
CFM Chloroform
CEA Chloroethane
OCTL 2-Chlorotoluene
DDM Dichlorodifluoromethane
2DCB 1,2-Dichlorobenzene
3DCB 1,3-Dichlorobenzene
4DCB 1,4-Dichlorobenzene
11DCA 1,1-Dichloroethane
12DCA 1,2-Dichloroethane
11DCE 1,1-Dichloroethylene
12DCE 1,2-Dichloroethylene
CDCE Cis-1,2-Dichloroethylene
TDCE Trans-1,2-Dichloroethylene
SBBZ sec-Butylbenzene
TBBZ tert-Butylbenzene
EBZ Ethylbenzene
MIBK Methyl Isobutyl Ketone
MCM Methyl chloride (Chloromethane)
MC Methylene chloride
MEK Methyl ethyl ketone
MTBE Methyl-tert-butyl ether
PCE Tetrachloroethylene
1,2,4TCB 1,2,4-Trichlorobenzene
1,2,4TMBZ 1,2,4-Trimethylbenzene
TCFM Trichloroflouromethane
1122TTCA 1,1,2,2-Tetrachloroethane
TL Toluene
TCA 1,1,1-Trichloroethane
112TCA 1,1,2-Trichloroethane
TCE Trichloroethylene
VC Vinyl chloride
XYL (o) Xylenes (ortho-)
XYL (m,p) Xylenes (meta-, para-)

SVOCs

ANTH Anthracene
ACN Acenaphthene
ACNE Acenaphthylene
BA Benzo[a]anthracene
BAP Benzo[a]pyrene
BBF Benzo[b]fluoranthene
BGP Benzo[ghi]perylene
BKF Benzo[k]fluoranthene
DEHP Bis(2ethylhexyl)phthalate
BBP Butyl benzyl phthalate
CRYS Chrysene
PIPTL Cymene
DBA Dibenzo[a,h]anthracene
DBP Di-n-butyl phthalate
FA Fluoranthene
FLE Fluorene
IP Indeno(1,2,3-cd)pyrene
NAP Naphthalene
PHN Phenanthrene
PYR Pyrene

METALs

As Arsenic
Ba Barium
Be Beryllium
Cd Cadmium
Cr Chromium (total)
Cu Copper
Pb Lead
Hg Mercury
Ni Nickel
Sb Antimony
Se Selenium
Ag Silver
Zn Zinc

MISC.

CN Cyanide
ETPH Extractable Total Petroleum Hydrocarbons
TPH Total Petroleum Hydrocarbons
PCB Polychlorinated Biphenyl
PEST Pesticides

CONSTITUENT CONCENTRATION QUALIFIERS

ND NONE DETECTED; LESS THAN DETECTION LIMIT
NA COMPOUND NOT ANALYZED
J ESTIMATED VALUE. PERCENT DIFFERENCE OF DAILY CALIBRATION STANDARD OUTSIDE CONTROL LIMITS.
H ESTIMATED VALUE. CONCENTRATION OUTSIDE CALIBRATION RANGE
* DAILY CONTROL SAMPLE OUTSIDE ACCEPTABLE LIMITS (±20%)
R REJECT DATA
R1 REJECT DATA. COMPOUND MAY OR MAY NOT BE PRESENT, DETERMINATION CANNOT BE MADE DUE TO THE PRESENCE OF NUMEROUS UNIDENTIFIABLE PEAKS
R2 REJECT DATA. SAMPLE DOES NOT CONFORM WITH STANDARD SAMPLE COLLECTION PROTOCOL
R3 REJECT DATA. LABORATORY ERROR
R4 % RECOVERY CANNOT BE CALCULATED DUE TO COELUTION OF PEAKS.
U NONE DETECTED QUALIFIED DUE TO PRESENCE OF COMPOUND IN THE BLANK
B COMPOUND DETECTED IN LABORATORY BLANK
M SOIL SAMPLE EXTRACTED WITH METHANOL
Q DATA TO BE USED QUALITATIVELY ONLY
TB COMPOUND DETECTED IN TRIP BLANK
EB COMPOUND DETECTED IN EQUIPMENT BLANK
XC QUALIFIED DUE TO COELUTION
I QUALIFIED: INTERNAL STANDARD RESPONSE OUTSIDE OF ACCEPTABLE LIMITS.
L SPECTRAL EVIDENCE CONFIRMS THE PRESENCE OF THIS COMPOUND AT A CONCENTRATION BELOW THE CALIBRATION LIMIT BUT ABOVE THE METHOD OF DETECTION LIMIT.

REV.	DESCRIPTION OF REVISION	DATE	APPR.

LEA Loureiro Engineering Associates, Inc.
100 Northwest Drive • Plainville, Connecticut 06062
An Employee Owned Company

SCALE	COMM. NO.	DRAWN BY	DATE	APP. BY	DATE
1" = 50'	91MH204	J.A.M.	09/12/02	K.M.C.	09/12/02

MacDERMID, INC.
526 HUNTINGDON AVE, WATERBURY, CT
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER

LEA An Employee Owned Company

DRAWING 1

SHEET NO. 1 NO. OF SHEETS 1

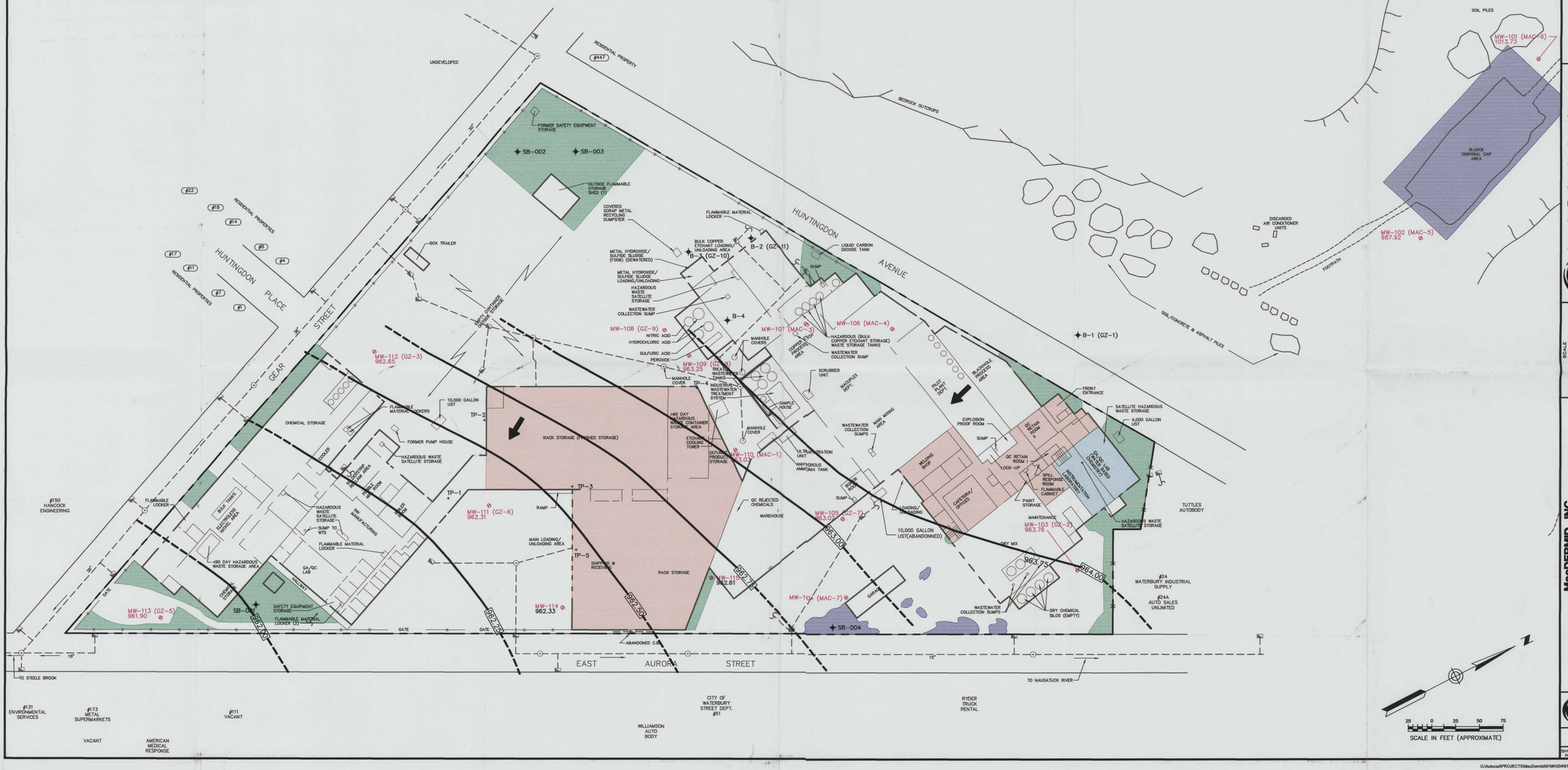
91MH204-DG.dwg

LEGEND

- SHIPPING/RECEIVING FUTURE BUILDING USE
- INVENTORY CONTROL FUTURE BUILDING USE (2nd FLOOR ONLY)
- TRESPASSER EXPOSURE AREA
- GROUNDSKEEPER EXPOSURE AREA
- #22 – RESIDENTIAL HOUSING LOT NUMBER
- APPROXIMATE AREA BOUNDARY
- GROUNDWATER CONTOUR
- GROUNDWATER CONTOUR (INFERRED)
- GROUNDWATER FLOW DIRECTION
- CATCH BASIN & PIPING
- MW-105(GZ-7) – MONITORING WELL
- B-4 – SOIL BORING
- TP-1 – TEST PIT
- UST – UNDERGROUND STORAGE TANK

NOTES:

1. BASIS OF VERTICAL CONTROL – LEA STATION #1, ARBITRARY ELEVATION 1000.00 FEET.
2. MAP REFERENCE: "STORMWATER POLLUTION PREVENTION PLAN – SITE PLAN", SCALE 1" = 40'; DATED JANUARY 2002; HRP ASSOCIATES, INC.
3. DEPTH TO WATER MEASUREMENTS COLLECTED ON SEPTEMBER 5, 2002.
4. MONITORING WELLS MW-106(MAC-4) AND MW-107(MAC-3) ARE DESTROYED.
5. MONITORING WELL MW-108(GZ-9) AND MW-104(MAC-7) WERE NOT USED IN DEVELOPING THE GROUNDWATER CONTOURS DUE TO THE PRESENCE OF PRODUCT IN WELL AND THE CONDITION OF THE WELL, RESPECTIVELY.



REV.	DESCRIPTION OF REVISION	DATE	APPR.

Loureiro Engineering Associates, Inc.
100 Northwest Drive • Plainville, Connecticut 06062
An Employee Owned Company

SCALE	COMM. NO.	DATE	DATE
SHOWN	91MH204	09/18/02	09/18/02
DRAWN: BY J.A.M.		APR: BY K.M.C.	

MacDERMID, INC.
526 HUNTINGDON AVE, WATERBURY, CT.
GROUNDWATER CONTOUR MAP

An Employee Owned Company

DRAWING 2

SHEET NO. 1 NO. OF SHEETS 1

91MH204-GW.dwg

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LEGEND

- SHIPPING/RECEIVING FUTURE BUILDING USE
- INVENTORY CONTROL FUTURE BUILDING USE (2nd FLOOR ONLY)
- TRESPASSER EXPOSURE AREA
- GROUNDSKEEPER EXPOSURE AREA
- #22 – RESIDENTIAL HOUSING LOT NUMBER
- APPROXIMATE AREA BOUNDARY
- CATCH BASIN & PIPING
- MW-105(GZ-7) – MONITORING WELL
- B-4 – SOIL BORING
- TP-1 – TEST PIT
- UST – UNDERGROUND STORAGE TANK
- SAMPLE W/ DETECT BUT NO EXCEEDANCES
- SAMPLE ANALYZED BUT NO DETECTS

SOIL EXCEEDANCES

INDUSTRIAL / COMMERCIAL DIRECT EXPOSURE CRITERIA (IDEC)

RESIDENTIAL DIRECT EXPOSURE CRITERIA (RDEC) – GB POLLUTANT MOBILITY CRITERIA (GBPMC)

GA / GAA POLLUTANT MOBILITY CRITERIA (GAPMC)

DATA BLOCK LEGEND

LOCATION IDENTIFIER – SAMPLE DATE – SAMPLE DEPTH

ET-SB-06	11/06/1997			
Constituent	0' – 2'	2' – 4'	4' – 6'	
METALs	–			
As	2.4			
Pb	15.8 J			
TPH				900
VOCs				ND
VOCs (screening)	ND	ND	ND	
Depth of Boring	10.00'			
Depth To Groundwater	~12.00'			

- DASH INDICATES DETECT(S) IN CONSTITUENT GROUP (SPECIFIC COMPOUNDS IDENTIFIED BELOW)
- BLANK CELL INDICATES NO ANALYSIS CONDUCTED
- "J" IS A CONSTITUENT CONCENTRATION QUALIFIER
- ITALICIZED AND RED COLORED CONSTITUENT CONCENTRATION INDICATES AN EXCEEDANCE OF ONE OR MORE CRITERIA IDENTIFIED IN THE CONNECTICUT REMEDIATION STANDARD REGULATIONS

NOTES:

1. THE RESPECTIVE UNITS FOR SOILS IN WHICH QUANTIFIABLE CONCENTRATIONS ARE DETECTED ARE AS FOLLOWS: VOCs, SVOCs, PCBs – MICROGRAMS PER KILOGRAM (ug/kg); MASS METALS AND TPH – MILLIGRAMS PER KILOGRAM (mg/kg); TCLP METALS AND SPLP METALS – MILLIGRAMS PER LITER (mg/L).
2. VOCs CATEGORY REFERS TO COMPOUNDS DETECTED USING EPA METHOD 8260.
3. WHERE ENCOUNTERED, THE DEPTH TO GROUNDWATER, AS REPORTED ON THE GEOLOGIC BORING LOG, IS SHOWN ON THE ASSOCIATED DATA BLOCK.
4. DEPTH TO GROUNDWATER IS APPROXIMATE BASED ON OBSERVATIONS AT TIME OF BOREHOLE ADVANCEMENT.
5. TPH IS CONSIDERED TO BE UNDER THE GENERAL GROUP HEADING OF "PHYSICAL ANALYSES".

GENERAL NOTES:

1. SAMPLES WERE COLLECTED AT 6 INCH INTERVALS TO THE BOTTOM OF THE BORING. THE "DEPTH OF BORING" IS INDICATED ON THE ASSOCIATED DATA BLOCK.
2. ANALYSES WERE CONDUCTED ON SAMPLES FROM THE INTERVAL AS SHOWN ON THE DATA BLOCK. CONCENTRATIONS DETECTED ARE SHOWN. CONSTITUENTS NOT DETECTED ARE SHOWN AS "ND" ONLY IF ASSOCIATED COMPOUNDS ARE DETECTED AT THAT DEPTH INTERVAL. DEPTH INTERVALS WHERE NO COMPOUNDS WERE DETECTED ARE NOT SHOWN.
3. THE UNITS FOR SOILS IN WHICH QUANTIFIABLE CONCENTRATIONS ARE AS DETAILED IN DATA BLOCK LEGEND NOTES.
4. IN THE CASE OF A DUPLICATE SAMPLE, CONSTITUENTS DETECTED OR NON-DETECTED (ND), ARE SEPARATED BY A SEMICOLON WITHIN THE SAMPLING INTERVAL WHERE THE DUPLICATION OCCURS.

CONSTITUENT ABBREVIATIONS

VOCs

ACT	Acetone	TCE	Trichloroethylene
BZ	Benzene	VC	Vinyl chloride
CDIS	Carbon disulfide	XYL (o)	Xylenes (ortho–)
CBZ	Chlorobenzene	XYL (m,p)	Xylenes (meta–, para–)
CFM	Chloroform		
CEA	Chloroethane		
2DCB	1,2–Dichlorobenzene		
3DCB	1,3–Dichlorobenzene		
4DCB	1,4–Dichlorobenzene		
11DCA	1,1–Dichloroethane		
12DCA	1,2–Dichloroethane		
11DCE	1,1–Dichloroethylene		
12DCE	1,2–Dichloroethylene		
CDCE	Cis–1,2–Dichloroethylene		
TDCE	Trans–1,2–Dichloroethylene		
EBZ	Ethylbenzene		
MCM	Methyl chloride (Chloromethane)		
MC	Methylene chloride		
MEK	Methyl ethyl ketone		
MTBE	Methyl–tert–butyl ether		
PCE	Tetrachloroethylene		
1122TTCA	1,1,2,2–Tetrachloroethane		
TL	Toluene		
TCA	1,1,1–Trichloroethane		
112TCA	1,1,2–Trichloroethane		

SVOCs

ANTH	Anthracene
ACN	Acenaphthene
ACNE	Acenaphthylene
BA	Benzo(a)anthracene
BAP	Benzo(a)pyrene
BBF	Benzo(b)fluoranthene
BGP	Benzo(ghi)perylene
BKF	Benzo(k)fluoranthene
DEHP	Bis(2ethylhexyl)phthalate
BBP	Butyl benzyl phthalate
CRYS	Chrysene
DBA	Dibenz(a,h)anthracene
DBP	Di–n–butyl phthalate
FA	Fluoranthene
FLE	Fluorene
IP	Indeno(1,2,3–cd)pyrene
NAP	Naphthalene
PHN	Phenanthrene
PYR	Pyrene

METALs

As	Arsenic
Ba	Barium
Be	Beryllium
Cd	Cadmium
Cr	Chromium (total)
Cu	Copper
Pb	Lead
Hg	Mercury
Ni	Nickel
Sb	Antimony
Se	Selenium
Ag	Silver
Zn	Zinc

MISC.

CN	Cyanide
ETPH	Extractable Total Petroleum Hydrocarbons
TPH	Total Petroleum Hydrocarbons
PCB	Polychlorinated Biphenyl

CONSTITUENT CONCENTRATION QUALIFIERS

ND	NONE DETECTED; LESS THAN DETECTION LIMIT
NA	COMPOUND NOT ANALYZED
J	ESTIMATED VALUE. PERCENT DIFFERENCE OF DAILY CALIBRATION STANDARD OUTSIDE CONTROL LIMITS.
H	ESTIMATED VALUE. CONCENTRATION OUTSIDE CALIBRATION RANGE
*	DAILY CONTROL SAMPLE OUTSIDE ACCEPTABLE LIMITS (± 20%)
R	REJECT DATA
R1	REJECT DATA. COMPOUND MAY OR MAY NOT BE PRESENT, DETERMINATION CANNOT BE MADE DUE TO THE PRESENCE OF NUMEROUS UNIDENTIFIABLE PEAKS
R2	REJECT DATA. SAMPLE DOES NOT CONFORM WITH STANDARD SAMPLE COLLECTION PROTOCOL
R3	REJECT DATA. LABORATORY ERROR
R4	% RECOVERY CANNOT BE CALCULATED DUE TO COELUTION OF PEAKS.
U	NONE DETECTED QUALIFIED DUE TO PRESENCE OF COMPOUND IN THE BLANK
B	COMPOUND DETECTED IN LABORATORY BLANK
M	SOIL SAMPLE EXTRACTED WITH METHANOL
Q	DATA TO BE USED QUALITATIVELY ONLY
TB	COMPOUND DETECTED IN TRIP BLANK
EB	COMPOUND DETECTED IN EQUIPMENT BLANK
XC	QUALIFIED DUE TO COELUTION
I	QUALIFIED: INTERNAL STANDARD RESPONSE OUTSIDE OF ACCEPTABLE LIMITS.
L	SPECTRAL EVIDENCE CONFIRMS THE PRESENCE OF THIS COMPOUND AT A CONCENTRATION BELOW THE CALIBRATION LIMIT BUT ABOVE THE METHOD OF DETECTION LIMIT.

1995 SOILS DATA

GZ-1	01/12/1995	
Constituent	20' – 22'	
METALs (TCLP)	–	
Ba (TCLP)	0.395	
Cr (TCLP)	0.084	
Pb (TCLP)	0.068	
Zn (TCLP)	0.102	
VOCs	ND	

GZ-2	01/12/1995	
Constituent	10'	
METALs (TCLP)	–	
Ba (TCLP)	0.538	
Cd (TCLP)	0.032	
Cr (TCLP)	0.017	
Pb (TCLP)	8.15	
Zn (TCLP)	0.100	
VOCs	2.84	
	ND	

GZ-3	01/12/1995	
Constituent	0.5'	
METALs (TCLP)	–	
Ba (TCLP)	0.714	
Cr (TCLP)	0.038	
Cu (TCLP)	1.04	
Pb (TCLP)	*1.08*	
Ni (TCLP)	0.052	
Zn (TCLP)	0.391	
VOCs	–	
ACT	170	
VC	27	
CDCE	87	

GZ-5	01/12/1995	
Constituent	0' – 2'	
METALs (TCLP)	–	
Ba (TCLP)	0.197	
Cr (TCLP)	0.014	
Pb (TCLP)	0.043	
Zn (TCLP)	0.049	
VOCs	ND	

GZ-6	01/12/1995	
Constituent	0.5' – 2.5'	
METALs (TCLP)	–	
Ba (TCLP)	0.324	
Cr (TCLP)	0.026	
Cu (TCLP)	0.149	
Pb (TCLP)	*0.188*	
Zn (TCLP)	0.131	
VOCs	ND	

GZ-7	02/15/1995	
Constituent	15' – 17'	
METALs (TCLP)	–	
Ba (TCLP)	0.313	
Cr (TCLP)	0.057	
Pb (TCLP)	0.028	
Zn (TCLP)	0.134	
VOCs	ND	

GZ-8	02/15/1995	
Constituent	0' – 2'	25' – 27'
METALs (TCLP)	–	–
Ba (TCLP)	0.439	0.323
Cd (TCLP)	0.013	ND
Cr (TCLP)	0.132	0.154
Cu (TCLP)	1.39	0.905
Pb (TCLP)	0.052	0.064
Ni (TCLP)	0.142	ND
Ag (TCLP)	0.013	ND
Zn (TCLP)	0.456	0.198
VOCs	ND	ND

GZ-9	02/16/1995
Constituent	10' – 12'
METALs (TCLP)	–
Ba (TCLP)	0.785
Cd (TCLP)	0.015
Cr (TCLP)	*0.642*
Cu (TCLP)	3.36
Pb (TCLP)	*0.378*
Ni (TCLP)	0.817
Zn (TCLP)	3.29
VOCs	ND

GZ-10	02/16/1995
Constituent	5' – 7'
METALs (TCLP)	–
Ba (TCLP)	0.341
Cd (TCLP)	0.011
Cr (TCLP)	0.036
Cu (TCLP)	0.508
Pb (TCLP)	0.056
Zn (TCLP)	0.215
VOCs	ND

GZ-11	02/16/1995
Constituent	10' – 12'
METALs (TCLP)	–
Ba (TCLP)	0.655
Cd (TCLP)	0.018
Cr (TCLP)	0.155
Cu (TCLP)	9.12
Pb (TCLP)	*0.19*
Ni (TCLP)	*1.77*
Zn (TCLP)	1.82
VOCs	ND

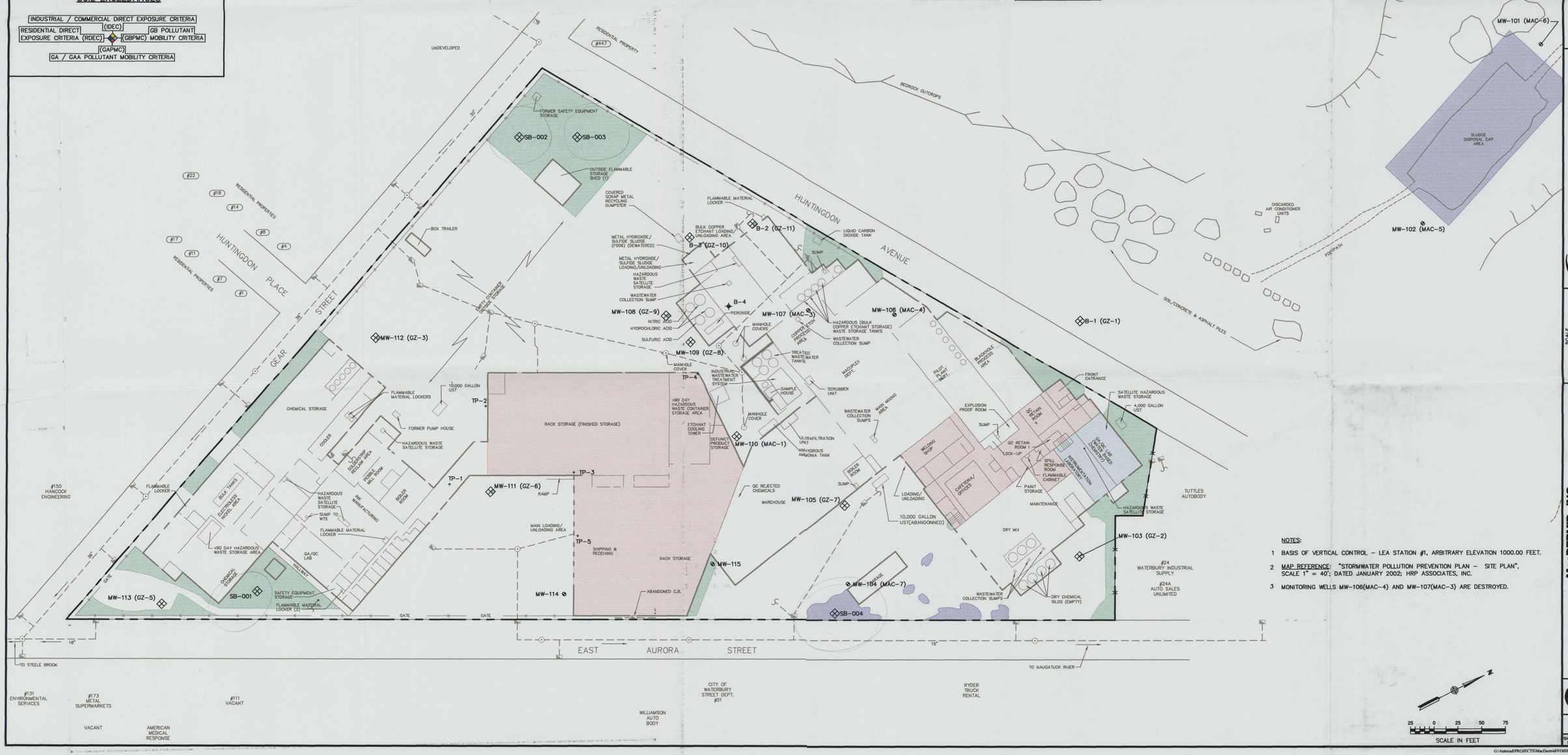
2002 SOILS DATA

SB-001	07/30/2002	
Constituent	0' – 0.5'	
METALs	–	–
As	3.49	
Ba	37.5	
Cd	3.39	
Cr	28.6	
Cu	68.1	
Pb	80.2	
Ni	11.0	
CN	ND	
ETPH	34 L	
VOCs	ND	
Depth of Boring	0.50'	

SB-002	07/30/2002	
Constituent	0' – 0.5'	
METALs	–	
As	2.65	
Ba	41.5	
Cd	3.14 L	
Cr	23.9	
Cu	48.1	
Pb	41.6 L	
Ni	18.7	
CN	ND	
ETPH	ND	
VOCs	ND	
Depth of Boring	0.50'	

SB-003	07/30/2002	
Constituent	0' – 0.5'	
METALs	–; –	
As	2.31; 3.34	
Ba	45.3; 43.1	
Cd	3.00 L; 2.96 L	
Cr	19.4; 19.6	
Cu	60.0; 61.7	
Pb	30.9 L; 35.1 L	
Ni	16.0; 17.0	
Zn	113; ND	
CN	ND; ND	
ETPH	25 L; 27 L	
VOCs	ND; ND	
Depth of Boring	0.50'	

SB-004	07/30/2002	
Constituent	0' – 0.5'	
METALs	–	
As	1.88	
Ba	44.5	
Cr	10.4 L	
Cu	30.7	
Ni	45.9	
CN	ND	
ETPH	ND	
VOCs	ND	
Depth of Boring	0.50'	



NOTES:

1. BASIS OF VERTICAL CONTROL – LEA STATION #1, ARBITRARY ELEVATION 1000.00 FEET.
2. MAP REFERENCE: "STORMWATER POLLUTION PREVENTION PLAN – SITE PLAN", SCALE 1" = 40'; DATED JANUARY 2002; HRP ASSOCIATES, INC.
3. MONITORING WELLS MW-106(MAC-4) AND MW-107(MAC-3) ARE DESTROYED.

REV.	DESCRIPTION OF REVISION	DATE	APPR.

Loureiro Engineering Associates, Inc.
100 Northwest Drive • Plainville, Connecticut 06062
An Employee Owned Company

SCALE 1" = 50'
COMM. NO. 91MW206
DRAWN BY J.A.M. DATE 08/21/02
APP. BY K.M.C. DATE 08/15/02

MacDERMID, INC.
526 HUNTINGDON AVE, WATERBURY, CT.

SUMMARY OF CONSTITUENTS DETECTED IN SOIL

LEA An Employee Owned Company

DRAWING 3

SHEET NO. 1 NO. OF SHEETS 1

91MW206-DS.dwg

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Attachment 3

Tables

Table 1
EXCEEDANCES OF SURFACE WATER PROTECTION CRITERIA FOR GROUNDWATER
MacDermid inc. - Huntingdon Avenue, Waterbury, Connecticut

	Location ID	GZ-8A	MAC-1A	MW-101/MAC-6	MW-101/MAC-6	MW-101/MAC-6	MW-102/MAC-5	MW-102/MAC-5
	Sample ID	2102724	2102726	2102718	2108842	2108843	2102441	2102441
	Sample Date	02/12/2001	02/12/2001	02/12/2001	07/30/2002	07/30/2002	03/01/1995	03/01/1995
	Sample Time				12:00	12:00		
	Sample Depth			26.0' - 36.0'	26.00' - 36.0	26.00' - 36.0	21.7' - 31.7'	21.7' - 31.7'
	Laboratory	EAS	EAS	EAS	AEL	AEL	GZA	MATR
	Lab. Number	01020133-07	01020133-10	01020133-14	AEL02006533	AEL02006534	41462-22	50620809-004
Constituent	Criterion							
Depth of Well	FT				32.64	32.64		
Depth to Water	FT				5.42	5.42		
Water Elevation	FT				-5.42	-5.42		
Date Metals Analyzed	-				08/05/2002	08/05/2002		
Date Organics Analyzed	-							
Arsenic	0.004 mg/l			0.0062 mg/L	0.007 mg/l	0.008 mg/l		
Cadmium	0.006 mg/l		0.089 mg/L					
Chromium	1.2 mg/L							
Copper	0.048 mg/l	3.7 mg/L	12 mg/L				0.060 mg/l	
Lead	0.013 mg/l							
Mercury	0.0004 mg/l	0.0081 mg/L	0.0009 mg/L					
Nickel	0.88 mg/l		1.6 mg/L					
Selenium	.05 mg/l							
Silver	.012 mg/l		0.041 mg/L					
Zinc	0.123 mg/l		3.0 mg/L					
Cyanide	0.052 mg/L	0.063 mg/L	0.086 mg/L					0.13 mg/L
1,1-Dichloroethylene	96 ug/l							
Tetrachloroethylene	88 ug/l		94 ug/L					

Notes: 1. Only Exceedances Shown
2. Printed on 10/24/02

Table 1
EXCEEDANCES OF SURFACE WATER PROTECTION CRITERIA FOR GROUNDWATER
MacDermid inc. - Huntingdon Avenue, Waterbury, Connecticut

	Location ID	MW-103/GZ-2	MW-104/MAC-7	MW-106/MAC-4	MW-106/MAC-4	MW-107/MAC-3	MW-107/MAC-3	MW-108/GZ-9
	Sample ID	2102431	2102443	2102440	2102440	2102439	2102439	2102437
	Sample Date	03/01/1995	03/01/1995	03/01/1995	03/01/1995	03/01/1995	03/01/1995	03/01/1995
	Sample Time							
	Sample Depth	25.0' - 35.0'						25.0' - 35.0'
	Laboratory	GZA	MATR	GZA	MATR	GZA	MATR	GZA
	Lab. Number	41462-12	50620809-006	41462-21	50620809-003	41462-20	50620809-002	41462-18
Constituent	Criterion							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Arsenic	0.004 mg/l			0.036 mg/l		0.069 mg/l		
Cadmium	0.006 mg/l					0.014 mg/l		
Chromium	1.2 mg/L							
Copper	0.048 mg/l			8.68 mg/l		162 mg/l		1.14 mg/l
Lead	0.013 mg/l	0.015 mg/l				0.055 mg/l		
Mercury	0.0004 mg/l			0.0011 mg/l		0.0015 mg/l		
Nickel	0.88 mg/l							
Selenium	.05 mg/l			0.056 mg/l		0.094 mg/l		
Silver	.012 mg/l	0.032 mg/l				0.055 mg/l		0.026 mg/l
Zinc	0.123 mg/l					7.75 mg/l		
Cyanide	0.052 mg/L		0.13 mg/L		0.35 mg/L		0.07 mg/L	
1,1-Dichloroethylene	96 ug/l							
Tetrachloroethylene	88 ug/l							

Notes: 1. Only Exceedances Shown
2. Printed on 10/24/02

Table 1
EXCEEDANCES OF SURFACE WATER PROTECTION CRITERIA FOR GROUNDWATER
MacDermid inc. - Huntingdon Avenue, Waterbury, Connecticut

	Location ID	MW-108/GZ-9	MW-109/GZ-8	MW-109/GZ-8	MW-110/MAC-1	MW-110/MAC-1	MW-110/MAC-1	MW-110/MAC-1
	Sample ID	2102722	2102723	2108835	2102438	2102438	2102725	2102730
	Sample Date	02/12/2001	02/12/2001	07/29/2002	03/01/1995	03/01/1995	02/12/2001	02/12/2001
	Sample Time			14:03				
	Sample Depth	25.00' - 35.0	25.0' - 35.0'	25.00' - 35.0				
	Laboratory	EAS	EAS	AEL	GZA	MATR	EAS	EAS
	Lab. Number	01020133-08	01020133-06	AEL02006472	41462-19	50620809-001	01020133-09	01020133-16
Constituent	Criterion							
Depth of Well	FT			34.41				
Depth to Water	FT			31.87				
Water Elevation	FT			-31.87				
Date Metals Analyzed	-			08/14/2002				
Date Organics Analyzed	-							
Arsenic	0.004 mg/l			0.009 mg/l	0.058 mg/l			
Cadmium	0.006 mg/l				0.037 mg/l		0.083 mg/L	0.11 mg/L
Chromium	1.2 mg/L							1.4 mg/L
Copper	0.048 mg/l	0.38 mg/L	4.1 mg/L	1.06 mg/l	146 mg/l		13 mg/L	36 mg/L
Lead	0.013 mg/l				0.016 mg/l			
Mercury	0.0004 mg/l		0.008 mg/L	0.0005 mg/l	0.0012 mg/l		0.001 mg/L	0.006 mg/L
Nickel	0.88 mg/l			1.25 mg/l			1.5 mg/L	1.6 mg/L
Selenium	.05 mg/l							
Silver	.012 mg/l				0.028 mg/l		0.043 mg/L	0.16 mg/L
Zinc	0.123 mg/l				6.26 mg/l		2.9 mg/L	4.9 mg/L
Cyanide	0.052 mg/L		0.064 mg/L			0.60 mg/L		
1,1-Dichloroethylene	96 ug/l							
Tetrachloroethylene	88 ug/l							

Notes: 1. Only Exceedances Shown
2. Printed on 10/24/02

Table 1
EXCEEDANCES OF SURFACE WATER PROTECTION CRITERIA FOR GROUNDWATER
MacDermid inc. - Huntingdon Avenue, Waterbury, Connecticut

	Location ID	MW-110/MAC-1	MW-111/GZ-6	MW-112/GZ-3	MW-113/GZ-5	MW-115		
	Sample ID	2108839	2102727	2102728	2102729	2110554		
	Sample Date	07/29/2002	02/12/2001	02/12/2001	02/12/2001	09/05/2002		
	Sample Time	11:50				11:40		
	Sample Depth		25.0' - 35.0'	25.0' - 35.0'	30.00' - 40.0	28.00' - 38.0		
	Laboratory	AEL	EAS	EAS	EAS	AEL		
	Lab. Number	AEL02006473	01020133-04	01020133-02	01020133-03	AEL02007617		
Constituent	Criterion							
Depth of Well	FT	39.41				37.71		
Depth to Water	FT	32.63				32.25		
Water Elevation	FT	-32.63						
Date Metals Analyzed	-	08/14/2002				07/13/2002		
Date Organics Analyzed	-	08/06/2002				09/06/2002		
Arsenic	0.004 mg/l					0.029 mg/l		
Cadmium	0.006 mg/l	0.0499 mg/l						
Chromium	1.2 mg/L							
Copper	0.048 mg/l	18.3 mg/l				0.170 mg/l		
Lead	0.013 mg/l					0.0390 mg/l		
Mercury	0.0004 mg/l	0.0025 mg/l						
Nickel	0.88 mg/l	1.53 mg/l						
Selenium	.05 mg/l							
Silver	.012 mg/l	0.036 mg/l						
Zinc	0.123 mg/l	2.90 mg/l	0.15 mg/L	0.16 mg/L	0.16 mg/L	0.148 mg/l		
Cyanide	0.052 mg/L							
1,1-Dichloroethylene	96 ug/l					160 H ug/l		
Tetrachloroethylene	88 ug/l	95 ug/l				350 H ug/l		

Notes: 1. Only Exceedances Shown
2. Printed on 10/24/02

Table 2
EXCEEDANCES OF 10 TIMES THE EPA MAXIMUM CONTAMINANT LEVELS FOR GROUNDWATER
MacDermid Inc.- Huntingdon Avenue, Waterbury, Connecticut

	Location ID	MAC-1A	MW-109/GZ-8	MW-110/MAC-1	MW-110/MAC-1	MW-110/MAC-1	MW-111/GZ-6	MW-115
	Sample ID	2102726	2108835	2102725	2102730	2108839	2108832	2110554
	Sample Date	02/12/2001	07/29/2002	02/12/2001	02/12/2001	07/29/2002	07/29/2002	09/05/2002
	Sample Time		14:03			11:50	10:20	11:40
	Sample Depth		25.00' - 35.0				25.0' - 35.0'	28.00' - 38.0
	Laboratory	EAS	AEL	EAS	EAS	AEL	AEL	AEL
	Lab. Number	01020133-10	AEL02006472	01020133-09	01020133-16	AEL02006473	AEL02006469	AEL02007617
Constituent	Criterion							
Depth of Well	FT		34.41			39.41	34.72	37.71
Depth to Water	FT		31.87			32.63	31.71	32.25
Water Elevation	FT		-31.87			-32.63	-31.71	
Date Metals Analyzed	-		08/14/2002			08/14/2002		
Date Organics Analyzed	-					08/06/2002	08/06/2002	09/06/2002
Cadmium	0.050 mg/L	0.089 mg/L		0.083 mg/L	0.11 mg/L			
Chromium	1.000 mg/L				1.4 mg/L			
Nickel	1.000 mg/l	1.6 mg/L	1.25 mg/l	1.5 mg/L	1.6 mg/L	1.53 mg/l		
1,1-Dichloroethylene	70.000 ug/l							160 H ug/l
1,2-Dichloroethane	50.000 ug/l						84 ug/l	150 H ug/l
Tetrachloroethylene	50.000 ug/l	94 ug/L				95 ug/l		350 H ug/l
Trichloroethylene	50.000 ug/l							150 H ug/l

Notes: 1. Only Exceedances Shown
2. Printed on 10/24/02

Table 3
EXCEEDANCES OF THE RESIDENTIAL VOLATILIZATION CRITERIA FOR GROUNDWATER
MacDermid inc. - Huntingdon Avenue, Waterbury, Connecticut

	Location ID	MW-108/GZ-9	MW-111/GZ-6	MW-115				
	Sample ID	2102722	2108832	2110554				
	Sample Date	02/12/2001	07/29/2002	09/05/2002				
	Sample Time		10:20	11:40				
	Sample Depth	25.00' - 35.0	25.0' - 35.0'	28.00' - 38.0				
	Laboratory	EAS	AEL	AEL				
	Lab. Number	01020133-08	AEL02006469	AEL02007617				
Constituent	Criterion							
Depth of Well	FT		34.72	37.71				
Depth to Water	FT		31.71	32.25				
Water Elevation	FT		-31.71					
Date Organics Analyzed	-		08/06/2002	09/06/2002				
1,1-Dichloroethylene	1 ug/l		2.0 ug/l	160 H ug/l				
1,2-Dichloroethane	21 ug/l		84 ug/l	150 H ug/l				
Vinyl Chloride	2 ug/L	2.7 ug/L						

Notes: 1. Only Exceedances Shown
2. Printed on 10/24/02

Table 4
EXCEEDANCES OF THE INDUSTRIAL/COMMERCIAL VOLATILIZATION CRITERIA FOR GROUNDWATER
MacDermid Inc.- Huntingdon Avenue, Waterbury, Connecticut

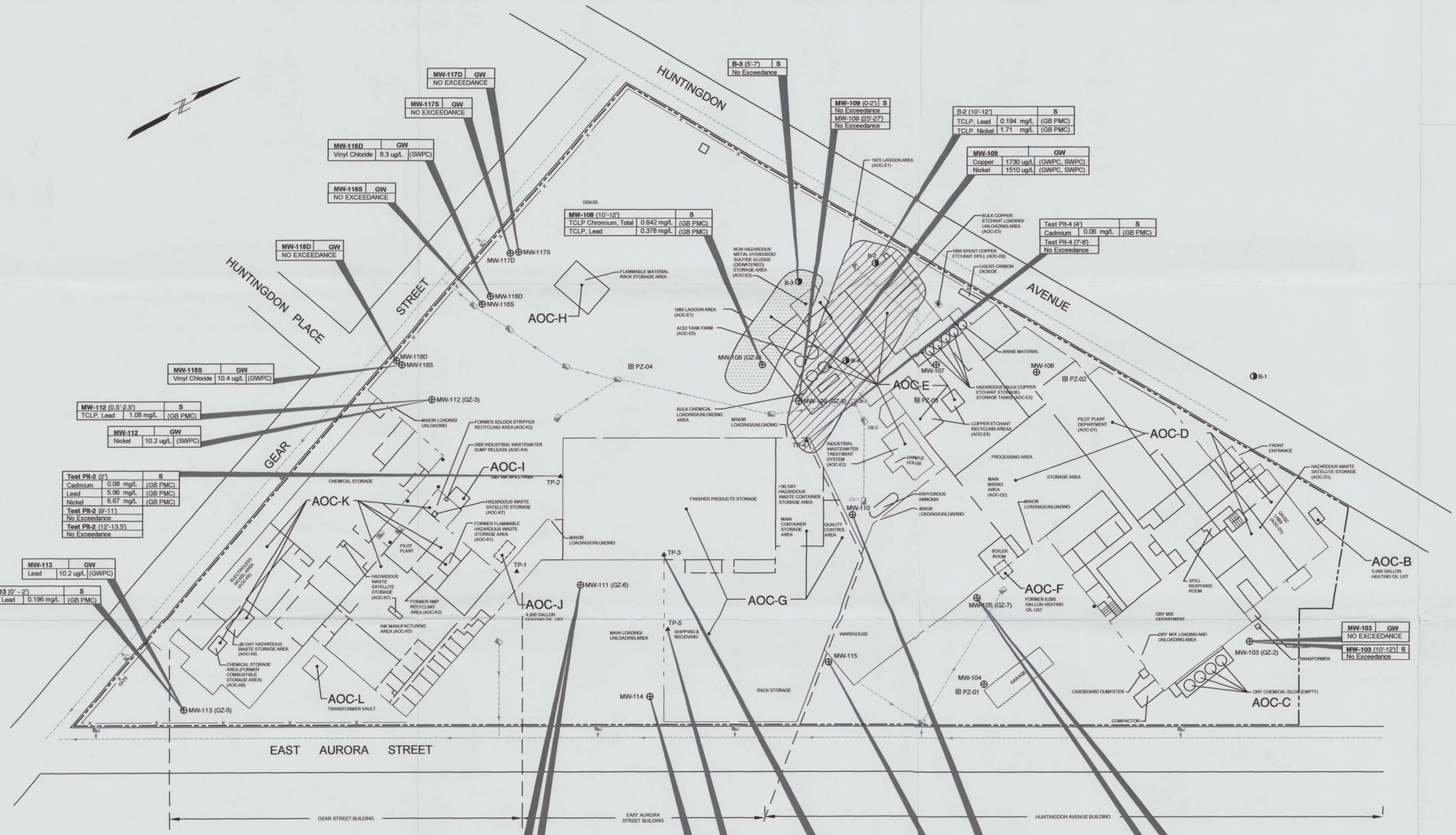
	Location ID	MW-108/GZ-9	MW-115					
	Sample ID	2102722	2110554					
	Sample Date	02/12/2001	09/05/2002					
	Sample Time		11:40					
	Sample Depth	25.00' - 35.0	28.00' - 38.0					
	Laboratory	EAS	AEL					
	Lab. Number	01020133-08	AEL02007617					
Constituent	Criterion							
Depth of Well	FT		37.71					
Depth to Water	FT		32.25					
Date Organics Analyzed	-		09/06/2002					
1,1-Dichloroethylene	6 ug/l		160 H ug/l					
1,2-Dichloroethane	90 ug/l		150 H ug/l					
Vinyl Chloride	2 ug/L	2.7 ug/L						

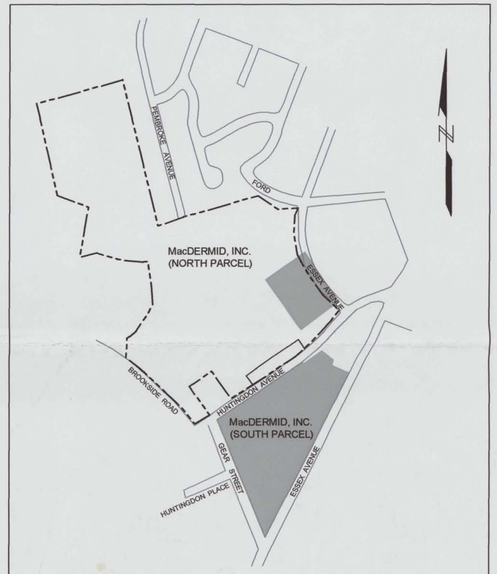
Notes: 1. Only Exceedances Shown
2. Printed on 10/24/02

Table 5
Groundwater Elevations
MacDermid Incorporated, 526 Huntingdon Avenue, Waterbury, Connecticut
September 5, 2002

Monitoring Well ID	Reference Elevation (Feet - NGVD[a])	Measured Depth to Water, (9/5/02) (Feet)	Water Level Elevation (9/5/02) (Feet - NGVD[a])	Well Depth (9/5/02) (Feet)[b]
MW-101 (MAC-6)	1016.67	2.94	1013.73	32.64
MW-102 (MAC-5)	1014.00	26.08	987.92	33.57
MW-103 (GZ-2)	994.96	31.20	963.76	34.71
MW-104 (MAC-7)	993.12	Obstructed	NM	19.74
MW-105 (GZ-7)	995.53	32.51	963.02	36.70
MW-106 (MAC-4)	Destroyed	NM	NM	NM
MW-107 (MAC-3)	Destroyed	NM	NM	NM
MW-108 (GZ-9)	996.11	NM	NM	PRODUCT
MW-109 (GZ-8)	996.12	32.87	963.25	34.41
MW-110 (MAC-1)	996.32	33.29	963.03	39.41
MW-111 (GZ-6)	994.13	31.82	962.31	34.72
MW-112 (GZ-3)	994.87	32.22	962.65	34.75
MW-113 (GZ-5)	996.26	34.36	961.90	39.86
MW-114	994.24	31.91	962.33	37.63
MW-115	994.86	32.25	962.61	37.71

[a] NGVD - National Geodetic Vertical Datum of 1929.
[b] Depths in feet below ground surface.





PARCEL LOCATIONS

NOT TO SCALE

LEGEND

- -GROUNDWATER MONITORING WELL
- -CATCH BASIN/STORM DRAIN
- -1985 TEST BORING
- -1985 SOIL TEST PIT (APPROXIMATE LOCATION)
- -1975 LAGOON AREA (APPROXIMATE LOCATION), AOC-E1
- -1980 LAGOON AREA (APPROXIMATE LOCATION), AOC-E1
- - PIEZOMETER

SAMPLE LOCATION

PARAMETER	CONCENTRATION	SAMPLE MEDIA
MW-113 Lead	10.2 ug/L	GW (GWPC)

SAMPLE MEDIA: GW = GROUNDWATER, S = SOIL

RSR CRITERIA EXCEEDED: GWPC = GROUNDWATER PROTECTION CRITERIA, SWPC = SURFACE WATER PROTECTION CRITERIA

NOTE: GROUNDWATER SAMPLES COLLECTED MAY 2007.

SOURCE:

1. PLAN BASED ON MAP PREPARED BY HRP ASSOCIATES, INC., PLAINVILLE, CT TITLED *AREAS OF CONCERN (AOC) AND RSR EXCEEDANCES, MacDERMID, INC., 526 HUNTINGDON AVENUE, WATERBURY, CONNECTICUT,* DATED FEBRUARY 2005.

0 50 100
SCALE, FEET

MONITORING WELL	FORMER MONITORING WELL DESIGNATION	DATE OF INSTALLATION	TYPE OF WELL	SCREEN DEPTH	STATUS
MW-101	MAC-6	4/2/86	BEDROCK	26-36'	ACTIVE
MW-102	MAC-5	3/31/86	SHALLOW OVERBURDEN	22-32'	ACTIVE
MW-103	GZ-2	1/12/95	SHALLOW OVERBURDEN	25-35'	ACTIVE
MW-104	MAC-7	UNKNOWN	SHALLOW OVERBURDEN	UNKNOWN	INACTIVE (CLOGGED)
MW-105	GZ-7	2/15/95	SHALLOW OVERBURDEN	27-37'	ACTIVE
MW-106	MAC-4	UNKNOWN	SHALLOW OVERBURDEN	UNKNOWN	INACTIVE (LOST)
MW-107	MAC-3	UNKNOWN	SHALLOW OVERBURDEN	UNKNOWN	INACTIVE (CLOGGED)
MW-108	GZ-9	2/16/95	SHALLOW OVERBURDEN	25-35'	ACTIVE
MW-109	GZ-8	2/15/95	SHALLOW OVERBURDEN	25-35'	ACTIVE
MW-110	MAC-1	UNKNOWN	SHALLOW OVERBURDEN	UNKNOWN	ACTIVE
MW-111	GZ-6	1/13/95	SHALLOW OVERBURDEN	25-35'	ACTIVE
MW-112	GZ-3	1/13/95	SHALLOW OVERBURDEN	25-35'	ACTIVE
MW-113	GZ-5	1/13/95	SHALLOW OVERBURDEN	30-40'	ACTIVE

Summarize EI Data
CJC 9/26/08

MacDERMID, INC.
526 HUNTINGDON AVENUE
WATERBURY, CONNECTICUT

MacDERMID, INC.
WATERBURY, CONNECTICUT

PROJECT 073290-1000

GEI Consultants
455 WINDING BROOK DRIVE
SUITE 201
GLASTONBURY, CONNECTICUT 06033

AOC LOCATIONS AND SUMMARY OF GROUNDWATER AND SOIL ANALYTICAL DATA

December 2007 Figure 1

I:\GEI\MacDERMID\ MACDERMID SITE LAYOUT.dwg \Dec 27, 2007

MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 1
Summary of Groundwater Analytical Samples
December 2007 and April 2008

Groundwater Samples

Sample ID	Location	AOC's Covered	COCs						Rationale
			VOCs Method 8260	SVOCs Method 8270	Metals Method 6010/7470 *	Cyanide Method 9010	ETPH CTETPH	PCBs Method 8082	
MW-101	North Parcel - Upgradient	AOC-A	1		1	1	1		Characterize Material and Volume of Material
MW-102	North Parcel- Downgradient		1		1	1	1		
MW-103	North of AOC-C	AOC-B	1		1		1	1	Confirm or Deny Release
MW-104	Down-gradient of AOC-F	AOC-F	1			1	1		Confirm or Deny Release
MW-105			1			1	1		
MW-110	Downgradient AOC-E (Sample House)	AOC-D, AOC-E	1	1	1	1			Confirm or Deny Release
MW-109	Huntingdon Ave. Building, AOC-E	AOC-E	1	1	1	1			1. Confirm or Deny Release 2. Delineate Extent of Former Lagoon
MW-107			1	1	1	1			
MW-108			1	1	1	1			
MW-111	East of AOC-G (Former Finished Product Storage Area)	AOC-G	1	1	1	1			1. Residual after closure. 2. Ambient Groundwater Quality.
MW-114	East of AOC-G (Former Finished Product Storage Area), adjacent to East Aurora Street		1	1	1	1			
MW-115	Corner between Former Finished Product Storage Area and Former Rack Storage Area		1	1	1	1			
MW-117S	Adjacent to Gear Street, West of AOC-H; Shallow	AOC-H, Site wide	1	1	1	1			Ambient Groundwater Quality, Up-gradient (Adjacent to Residential Area)
MW-117D	Adjacent to Gear Street, West of AOC-H; Deep		1	1	1	1			
MW-116S	Adjacent to Gear Street, West of AOC-H; Shallow		1	1	1	1			
MW-116D	Adjacent to Gear Street, West of AOC-H; Deep		1	1	1	1			
MW-118S	Adjacent to Gear Street, Southwest of AOC-H; Shallow		1	1	1	1			
MW-118D	Adjacent to Gear Street, Southwest of AOC-H; Deep		1	1	1	1			
MW-112	Up-gradient of AOC-K/ AOC-I		1	1	1	1			
MW-113	Corner of East Aurora Street and Gear Street	AOC-K	1	1	1	1			1. Residual after closure. 2. Ambient Groundwater Quality.

Notes:
Metals for groundwater are analyzed for target analyte list (TAL) which include Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Tl, V, Zn.
Trip blanks will be collected and analyzed at a rate of 1 sample per cooler per day. Trip blanks are analyzed via Method 8260 and are performed at no charge to the client.
Field duplicates and equipment blanks are both performed at a rate of 5 percent per matrix (i.e. groundwater, soil) per analytical method.

GEI Consultants

SUPPLEMENTAL
RI DATA
CJC 9/26/08

MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location: / Historical Location I.D.: / Sample Date:	RES GVC	I/C GVC	SWPC	GZ-8A 2/12/2001	MAC-1A 2/12/2001	MW-101 (MAC-6) 4/1986	MW-101 (MAC-6) 3/1995	MW-101 (MAC-6) 2/12/2001	MW-101 (MAC-6) 7/30/2002	MW-101 8/13/2004	MW-101 7/27/2006	MW-101 10/30/2006	MW-101 2/16/2007	MW-101 05/25/2007	MW-101 12/26/2007	MW-101 4/18/2008	MW-102 (MAC-5) 4/86	MW-102 (MAC-6) 3/1995	MW-102 (MAC-6) 2/12/2001	MW-102 8/13/2004	MW-102 7/27/2006	MW-102 10/30/2006	MW-102 2/16/2007	MW-102 05/25/2007	MW-102 4/18/2008
VOCs (ug/l)																									
Acetone	50000	50000	NE	< 0.05	< 0.50	NA	ND	**14**	BDL	NA	<20.0	<10	<10.0	<10	5 U	**5**	NA	ND	**11**	< 10 U	<20.0	**39**	<10.0	<10	**5**
Acrylonitrile	NE	NE	20	NA	NA	NA	NA	NA	NA	NA	<0.5	<1	<1.0	<1	NA	NA	NA	NA	NA	< 0.5 U	<0.5	<1	<1.0	<1	NA
Benzene	130	310	710	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	0.5 U	**0.5 J**	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**0.5 J**
Bromobenzene	NE	NE	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	2 U	2 U	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**2 J**
Bromomethane	NE	NE	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<2.0	<2	<2.0	<2	3 U	3 U	NA	NA	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	3 U
Butanone, 2-	50000	50000	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	2 U	2 U	NA	NA	< 0.50	< 2.0 U	<1.0	<1	<1.0	<1	2 U
Butyl alcohol, tert-	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	<10.0	<10	<10.0	<10	NA	NA	NA	NA	NA	NA	<10.0	<10	<10.0	<10	NA
Butylbenzene, tert-	NE	NE	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	< 0.50	NA	<1.0	<1	<1.0	<1	1 U
Butylbenzene,sec-	1500	20000	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	< 0.50	NA	<1.0	<1	<1.0	<1	1 U
Carbon disulfide	NE	NE	NE	NA	NA	NA	ND	NA	NA	NA	<5.0	<5	<5.0	<5	1 U	**1**	NA	ND	NA	< 0.5 U	<5.0	<5	<5.0	<5	**1**
Carbon tetrachloride	5.3	14	132	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U
Chlorobenzene	1800	23000	420000	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U
Chloroethane	12000	29000	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<2.0	<2	<2.0	<2	3 U	3 U	NA	NA	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	3 U
Chloroform	26	62	14100	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U
Chloromethane	390	5500	NE	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<2.0	<2	<2.0	<2	1 U	1 U	NA	ND	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U
Chlorotoluene,2-	NE	NE	NE	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U
Dibromo-3-chloropropane,1,2-	NE	NE	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<2.0	<2	<2.0	<2	1 U	1 U	NA	NA	< 0.50	NA	<2.0	<2	<2.0	<2	**1 J**
Dibromoethane,1,2-	0.3	11	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<0.5	<1	<1.0	<1	1 U	1 U	NA	NA	< 0.50	NA	<0.5	<1	<1.0	<1	1 U
Dichlorobenzene,1,2-	5100	50000	170000	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U
Dichlorobenzene,1,3-	4300	50000	26000	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U
Dichlorobenzene,1,4-	1400	3400	26000	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<2.0	<2	<2.0	<2	1 U	1 U	NA	ND	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U
Dichlorodifluoromethane	93	1200	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	NA	1 U
Dichloroethane,1,1-	3000	41000	NE	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U
Dichloroethane,1,2-	6.5	68	2970	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U
Dichloroethene, cis-1,2-	830	11000	NE	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U
Dichloroethene, trans-1,2-	NE	13000	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	NA	NA	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	NA
Dichloroethene,1,1-	190	920	96	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U
Dioxane, p-	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	<20.0	<20	<20.0	<20	NA	NA	NA	NA	NA	NA	<20.0	<20	<20.0	<20	NA
Hexachlorobutadiene	NE	NE	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<0.5	<1	<1.0	<1	1 U	1 U	NA	NA	< 0.50	NA	<0.5	<1	<1.0	<1	1 U
Isopropyl benzene	2800	6800	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	**1**	NA	NA	< 0.50	NA	<1.0	<1	<1.0	<1	**1**
Isopropyltoluene,4-	1600	22000	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	< 0.50	NA	<1.0	<1	<1.0	<1	1 U
Methyl tert-butyl ether (MTBE)	21000	50000	NE	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	< 0.50	< 0.5 U	<10.0	<10	<10.0	<10	1 U
Methyl-2-pentanone,4-	13000	50000	NE	< 5.0	< 5.0	NA	NA	< 5.0	BDL	NA	<5.0	<10	<10.0	<10	2 U	2 U	NA	NA	< 5.0	< 2.0 U	<5.0	<10	<10.0	<10	2 U
Methylene chloride	160	2200	48000	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	5 U	5 U	NA	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	5 U
Naphthalene	NE	NE	NE	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	< 0.50	NA	<1.0	<1	<1.0	<1	1 U
Propylbenzene, n-	NE	NE	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	**1 J**	NA	NA	< 0.50	NA	<1.0	<1	<1.0	<1	**1 J**
Styrene	3100	42000	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	**1 J**	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**1 J**
Tetrachloroethene	340	810	88	< 0.50	**94**	< .2	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	< .2	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1.1 U
Tetrahydrofuran	370	NE	NE	NA	NA	NA	NA	NA	NA	NA	<10.0	<10	<10.0	<10	3 U	3 U	NA	NA	NA	NA	<10.0	<10	<10.0	<10	**3**
Toluene	7100	41000	4000000	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U
Trans-1,2-dichloroethene	1000	13000	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	<1.0	<1	<1.0	<1	2 U	2 U	NA	NA	NA	NA	<1.0	<1	<1.0	<1	2 U
Trichlorobenzene, 1,2,3-	NE	NE	NE	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	< 0.50	NA	<1.0	<1	<1.0	<1	1 U
Trichlorobenzene, 1,2,4-	NE	NE	NE	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	< 0.50	NA	<1.0	<1	<1.0	<1	1 U
Trichloroethane, 1,1,1-	6500	16000	62000	< 0.50	< 0.50	< .2	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	< .2	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U
Trichloroethane, 1,1,2-	220	2900	1260	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U
Trichloroethene	27	67	2340	< 0.50	< 0.50	< .2	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	< .2	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U
Trichlorofluoromethane	1300	4200	NE	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U
Trichloropropane, 1,2,3-	NE	NE	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	2 U	2 U	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	2 U
Trihalomethanes, Total (Calc)	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	<1.0	<1	<1.0	<1	NA	NA	NA	NA	NA	NA	<1.0	<1	<1.0	<1	NA
Trimethylbenzene, 1,2,4-	360	4800	NE	< 0.50	< 0.50	NA	ND	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	< 0.50	NA	<1.0	<1	<1.0	<1	1 U
Vinyl chloride	1.6	52	15750	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**1 J**
Xylene, m,p-	NE	NE	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<2.0	<2	<2.0	<2	1 U	1 U	NA	NA	< 0.50	NA	<2.0	<2	<2.0	<2	1 U
Xylene, o-	NE	NE	NE	< 0.50	< 0.50	NA	NA	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	< 0.50	NA	<1.0	<1	<1.0	<1	1 U
Xylenes, Total	8700	48000	NE	NA	NA	NA	NA	NA	NA	NA	<1.0	<1	<1.0	<1	NA	NA	NA	NA	NA	< 1.0 U	<1.0	<1	<1.0	<1	NA

GEI Consultants

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MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location: Historical Location I.D.: Sample Date:	RES GVC	I/C GVC	SWPC	GZ-8A 2/12/2001	MAC-1A 2/12/2001	MW-101 (MAC-6) 4/1986	MW-101 (MAC-6) 3/1995	MW-101 (MAC-6) 2/12/2001	MW-101 (MAC-6) 7/30/2002	MW-101 8/13/2004	MW-101 7/27/2006	MW-101 10/30/2006	MW-101 2/16/2007	MW-101 05/25/2007	MW-101 12/26/2007	MW-101 4/18/2008	MW-102 (MAC-5) 4/86	MW-102 (MAC-6) 3/1995	MW-102 (MAC-6) 2/12/2001	MW-102 8/13/2004	MW-102 7/27/2006	MW-102 10/30/2006	MW-102 2/16/2007	MW-102 05/25/2007	MW-102 4/18/2008
SVOCs (ug/l)																									
Acenaphthene	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benz[a]anthracene	NE	NE	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz[a,h]anthracene	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorophenol,2,4-	NE	NE	15800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitroaniline,2-	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorophenol, 2,4,5-	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (ug/l)																									
Aluminum	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250 U	250 U	NA	NA	NA	NA	NA	NA	NA	NA	4200 U
Antimony	NE	NE	86000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	**10**
Arsenic	NE	NE	4	< 5	< 5	NA	< 5.0	< 5	**8**	**8**	<4.0	**6.6**	**4.5**	**5.4**	**8.2 J**	5 U	NA	< 5.0	**6.2**	< 4 U	<4.0	<4	**5.8**	<4	7.1 U
Barium	NE	NE	NE	BDL	BDL	NA	**16**	**150**	BDL	< 10 U	<5.0	**7.2**	<5.0	<5	**1.9 J**	**1.5 J**	NA	**3**	**180**	< 10 U	**14.8**	<7.3	8.4	11.2	**33 J**
Beryllium	NE	NE	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	1.5 U	NA	NA	NA	NA	NA	NA	NA	NA	0.46 U
Cadmium	NE	NE	6	< 5	< 5	NA	**89**	< 5	BDL	< 2 U	<2.5	<2.5	<2.5	<2.5	5 U	2.5 U	NA	< 4.0	< 5	< 2 U	**15.0**	<2.5	<2.5	<2.5	2.5 U
Calcium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**25700**	28900 U	NA	NA	NA	NA	NA	NA	NA	NA	**8200 J**
Chromium	NE	NE	NE	< 20	< 20	< 50	< 5.0	< 20	BDL	< 5 U	<5.0	<5	<5.0	<5	**1 J**	5 U	< 50	< 5.0	< 20	< 5 U	<5.0	<5	<5.0	<5	26 U
Cobalt	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	**26**
Copper	NE	NE	48	**3700**	**12000**	< 50	**60**	**10**	BDL	< 5 U	<5.0	**142**	**21.7**	**6.1**	**11**	11 U	< 50	**30**	**110**	< 5 U	**11.2**	<5	12.1	<5	**140**
Fluoride	NE	NE	NE	< 200	< 200	**580**	**100**	< 200	< 201	NA	NA	NA	NA	NA	NA	NA	**46500**	**70**	< 200	NA	NA	NA	NA	NA	NA
Iron	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**120**	83 U	NA	NA	NA	NA	NA	NA	NA	NA	18700 U
Lead	NE	NE	13	< 5	< 5	< 50	< 3.0	< 5	< 6	< 5.0 U	<7.5	<7.5	<7.5	<7.5	**24**	5 U	< 50	< 3.0	< 5	< 5.0 U	<7.5	<7.5	<7.5	<7.5	7.6 U
Magnesium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1100**	1200 U	NA	NA	NA	NA	NA	NA	NA	NA	**3600**
Manganese	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**11**	**14 J**	NA	NA	NA	NA	NA	NA	NA	NA	**960**
Mercury	NE	NE	NE	**8.1**	**0.9**	NA	< 0.2	< 0.2	< 0.3	< 2 U	<0.20	<0.2	<0.20	<0.2	NA	NA	NA	< 0.2	< 0.2	< 2 U	<0.20	<0.2	<0.20	<0.2	NA
Nickel	NE	NE	880	< 20	**1600**	< 20	< 54	< 20	< 21	< 10 U	<5.0	<5	<5.0	<5	5 U	5 U	< 20	< 54	< 20	**27 L**	**23.7**	**19.4**	**32.2**	**18.4**	48 U
Potassium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**520**	540 U	NA	NA	NA	NA	NA	NA	NA	NA	**1700**
Selenium	NE	NE	50	< 5	< 5	NA	< 5	< 5	< 5	< 5 U	<15.0	<15	<15.0	<15	15 U	15 U	NA	< 5	< 5	< 5 U	<15.0	<15	<15.0	<15	15 U
Silver	NE	NE	12	< 10	**41**	< 10	**11**	< 10	< 10	< 5 U	<5.0	<5	<5.0	<5	2.5 U	2.5 U	< 10	< 7.0	< 10	< 5 U	<5.0	<5	<5.0	<5	2.5 U
Sodium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4000**	4100 U	NA	NA	NA	NA	NA	NA	NA	NA	2900 U
Vanadium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	13 U
Zinc	NE	NE	123	BDL	**3000**	< 10	**67**	**43**	BDL	**145**	**123**	**1590**	**329**	**102**	**62**	81 U	< 10	< 20	**110**	**16**	**127**	<38	<55.5	**27**	100 U
Filtered Metals (ug/l)																									
Barium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NE	NE	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NE	NE	48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NE	NE	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NE	NE	880	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NE	NE	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NE	NE	123	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Cyanide (ug/l)																									
Cyanide, Total	NE	NE	52	**63**	**86**	< 100	**130**	NA	<10	NA	NA	NA	NA	NA	10 U	10 UJ	< 100	< 10	<10	< 5 U	NA	NA	NA	NA	**2.3**
Cyanide, water	NE	NE	NE	< 10	< 10	NA	NA	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA
Cyanide-Amenable, Water	NE	NE	NE	< 10	< 10	NA	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	NA	NA	NA	NA	NA	NA

GEI Consultants

MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location: Historical Location I.D.: Sample Date:	RES GVC	I/C GVC	SWPC	MW-103 (GZ-2) 3/1995	MW-103 (GZ-2) 2/08/2001	MW-103 8/16/2004	MW-103 7/27/2006	MW-103 10/30/2006
VOCs (ug/l)								
Acetone	50000	50000	NE	ND	**9.4**	< 10 U	<20.0	<10
Acrylonitrile	NE	NE	20	NA	NA	< 0.5 U	<0.5	<1
Benzene	130	310	710	NA	< 0.50	< 0.5 U	<1.0	<1
Bromobenzene	NE	NE	NE	NA	< 0.50	< 0.5 U	<1.0	<1
Bromomethane	NE	NE	NE	NA	< 0.50	< 0.5 U	<2.0	<2
Butanone, 2-	50000	50000	NE	NA	< 0.50	< 2.0 U	<1.0	<1
Butyl alcohol, tert-	NE	NE	NE	NA	NA	NA	<10.0	<10
Butylbenzene, tert-	NE	NE	NE	NA	< 0.50	NA	<1.0	<1
Butylbenzene,sec-	1500	20000	NE	NA	< 0.50	NA	<1.0	<1
Carbon disulfide	NE	NE	NE	ND	NA	< 0.5 U	<5.0	<5
Carbon tetrachloride	5.3	14	132	NA	< 0.50	< 0.5 U	<1.0	<1
Chlorobenzene	1800	23000	420000	ND	< 0.50	< 0.5 U	<1.0	<1
Chloroethane	12000	29000	NE	NA	< 0.50	< 0.5 U	<2.0	<2
Chloroform	26	62	14100	ND	< 0.50	< 0.5 U	<1.0	<1
Chloromethane	390	5500	NE	ND	< 0.50	< 0.5 U	<2.0	<2
Chlorotoluene,2-	NE	NE	NE	ND	< 0.50	< 0.5 U	<1.0	<1
Dibromo-3-chloropropane,1,2-	NE	NE	NE	NA	< 0.50	NA	<2.0	<2
Dibromoethane,1,2-	0.3	11	NE	NA	< 0.50	NA	<0.5	<1
Dichlorobenzene,1,2-	5100	50000	170000	ND	< 0.50	< 0.5 U	<1.0	<1
Dichlorobenzene,1,3-	4300	50000	26000	ND	< 0.50	< 0.5 U	<1.0	<1
Dichlorobenzene,1,4-	1400	3400	26000	ND	< 0.50	< 0.5 U	<2.0	<2
Dichlorodifluoromethane	93	1200	NE	NA	< 0.50	< 0.5 U	NA	NA
Dichloroethane,1,1-	3000	41000	NE	ND	< 0.50	< 0.5 U	<1.0	<1
Dichloroethane,1,2-	6.5	68	2970	ND	< 0.50	< 0.5 U	<1.0	<1
Dichloroethene, cis-1,2-	830	11000	NE	ND	< 0.50	< 0.5 U	<1.0	<1
Dichloroethene, trans-1,2-	NE	13000	NE	NA	< 0.50	< 0.5 U	<1.0	<1
Dichloroethene,1,1-	190	920	96	NA	< 0.50	< 0.5 U	<1.0	<1
Dioxane, p-	NE	NE	NE	NA	NA	NA	<20.0	<20
Hexachlorobutadiene	NE	NE	NE	NA	< 0.50	NA	<0.5	<1
Isopropyl benzene	2800	6800	NE	NA	< 0.50	NA	<1.0	<1
Isopropyltoluene,4-	1600	22000	NE	NA	< 0.50	NA	<1.0	<1
Methyl tert-butyl ether (MTBE)	21000	50000	NE	ND	< 0.50	< 0.5 U	<10.0	<10
Methyl-2-pentanone,4-	13000	50000	NE	NA	< 5.0	< 2.0 U	<5.0	<10
Methylene chloride	160	2200	48000	ND	< 0.50	**0.8 L**	<1.0	<1
Naphthalene	NE	NE	NE	ND	< 0.50	NA	<1.0	<1
Propylbenzene, n-	NE	NE	NE	NA	< 0.50	NA	<1.0	<1
Styrene	3100	42000	NE	NA	< 0.50	< 0.5 U	<1.0	<1
Tetrachloroethene	340	810	88	ND	< 0.50	< 0.5 U	<1.0	<1
Tetrahydrofuran	370	NE	NE	NA	NA	NA	<10.0	<10
Toluene	7100	41000	4000000	ND	< 0.50	< 0.5 U	<1.0	<1
Trans-1,2-dichloroethene	1000	13000	NE	NA	NA	NA	NA	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	NA	NA	NA	<1.0	<1
Trichlorobenzene, 1,2,3-	NE	NE	NE	ND	< 0.50	NA	<1.0	<1
Trichlorobenzene, 1,2,4-	NE	NE	NE	ND	< 0.50	NA	<1.0	<1
Trichloroethane, 1,1,1-	6500	16000	62000	ND	< 0.50	< 0.5 U	<1.0	<1
Trichloroethane, 1,1,2-	220	2900	1260	NA	< 0.50	< 0.5 U	<1.0	<1
Trichloroethene	27	67	2340	ND	< 0.50	< 0.5 U	<1.0	<1
Trichlorofluoromethane	1300	4200	NE	ND	< 0.50	< 0.5 U	<1.0	<1
Trichloropropane, 1,2,3-	NE	NE	NE	NA	< 0.50	< 0.5 U	<1.0	<1
Trihalomethanes, Total (Calc)	NE	NE	NE	NA	NA	NA	<1.0	<1
Trimethylbenzene, 1,2,4-	360	4800	NE	ND	< 0.50	NA	<1.0	<1
Vinyl chloride	1.6	52	15750	NA	< 0.50	< 0.5 U	<1.0	<1
Xylene, m,p-	NE	NE	NE	NA	< 0.50	NA	<2.0	<2
Xylene, o-	NE	NE	NE	NA	< 0.50	NA	<1.0	<1
Xylenes, Total	8700	48000	NE	NA	NA	< 1.0 U	<1.0	<1

GEI Consultants

MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location: Historical Location I.D.: Sample Date:	RES GVC	I/C GVC	SWPC	MW-103 (GZ-2) 3/1995	MW-103 (GZ-2) 2/08/2001	MW-103 8/16/2004	MW-103 7/27/2006	MW-103 10/30/2006
SVOCs (ug/l)								
Acenaphthene	NE	NE	NE	NA	NA	NA	NA	NA
Benz[a]anthracene	NE	NE	0.3	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NE	NE	NE	NA	NA	NA	NA	NA
Carbazole	NE	NE	NE	NA	NA	NA	NA	NA
Chrysene	NE	NE	NE	NA	NA	NA	NA	NA
Dibenz[a,h]anthracene	NE	NE	NE	NA	NA	NA	NA	NA
Dichlorophenol,2,4-	NE	NE	15800	NA	NA	NA	NA	NA
Isophorone	NE	NE	NE	NA	NA	NA	NA	NA
Nitroaniline,2-	NE	NE	NE	NA	NA	NA	NA	NA
Trichlorophenol, 2,4,5-	NE	NE	NE	NA	NA	NA	NA	NA
Total Metals (ug/l)								
Aluminum	NE	NE	NE	NA	NA	NA	NA	NA
Antimony	NE	NE	86000	NA	NA	NA	NA	NA
Arsenic	NE	NE	4	< 5.0	< 5	< 4 U	<4.0	<4
Barium	NE	NE	NE	**36**	**260**	**25 L**	**42.8**	**29**
Beryllium	NE	NE	4	NA	NA	NA	NA	NA
Cadmium	NE	NE	6	< 4.0	< 5	< 2 U	<2.5	<2.5
Calcium	NE	NE	NE	NA	NA	NA	NA	NA
Chromium	NE	NE	NE	**5**	< 20	< 5 U	<5.0	<5
Cobalt	NE	NE	NE	NA	NA	NA	NA	NA
Copper	NE	NE	48	**22**	< 10	< 5 U	<5.0	<5
Fluoride	NE	NE	NE	**70**	< 200	NA	NA	NA
Iron	NE	NE	NE	NA	NA	NA	NA	NA
Lead	NE	NE	13	**15**	< 5	< 5.0 U	<7.5	<7.5
Magnesium	NE	NE	NE	NA	NA	NA	NA	NA
Manganese	NE	NE	NE	NA	NA	NA	NA	NA
Mercury	NE	NE	NE	< 0.2	< 0.2	< 2 U	<0.20	<0.2
Nickel	NE	NE	880	< 54	< 20	< 10 U	<5.0	<5
Potassium	NE	NE	NE	NA	NA	NA	NA	NA
Selenium	NE	NE	50	< 5	< 5	< 5 U	<15.0	<15
Silver	NE	NE	12	**32**	< 10	< 5 U	<5.0	<5
Sodium	NE	NE	NE	NA	NA	NA	NA	NA
Vanadium	NE	NE	NE	NA	NA	NA	NA	NA
Zinc	NE	NE	123	< 20	**66**	**10 L**	**75**	<38
Filtered Metals (ug/l)								
Barium	NE	NE	NE	NA	NA	NA	NA	NA
Cadmium	NE	NE	6	NA	NA	NA	NA	NA
Chromium	NE	NE	NE	NA	NA	NA	NA	NA
Copper	NE	NE	48	NA	NA	NA	NA	NA
Lead	NE	NE	13	NA	NA	NA	NA	NA
Mercury	NE	NE	NE	NA	NA	NA	NA	NA
Nickel	NE	NE	880	NA	NA	NA	NA	NA
Silver	NE	NE	12	NA	NA	NA	NA	NA
Zinc	NE	NE	123	NA	NA	NA	NA	NA
Total Cyanide (ug/l)								
Cyanide, Total	NE	NE	52	< 10	NA	< 5 U	NA	NA
Cyanide, water	NE	NE	NE	NA	> 10	NA	NA	NA
Cyanide-Amenable, Water	NE	NE	NE	< 10	> 10	NA	NA	NA

GEI Consultants

MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location:				MW-103	MW-103	MW-103	MW-104	MW-104*	MW-105	MW-105	MW-105	MW-105	MW-105	MW-105	MW-105	MW-105	MW-105	MW-105	MW-106	MW-107	MW-107**	MW-108	MW-108	MW-108	MW-108
Historical Location I.D.:							MAC-7		(GZ-7)	(GZ-7)									MAC-4	MAC-3		(GZ-9)	(GZ-9)	(GZ-9)	(GZ-9)
Sample Date:	RES GVC	I/C GVC	SWPC	2/15/2007	05/23/2007	4/18/2008	3/1/1995	12/26/2007	3/1/1995	2/08/2001	8/12/2004	7/27/2006	10/30/2006	2/20/2007	05/23/2007	12/26/2007	4/16/2008	3/1/1995	3/1/1995	12/26/2007	3/1/1995	2/08/2001	2/08/2001	7/29/2002
VOCs (ug/l)																									
Acetone	50000	50000	NE	<10.0	<10	**5**	ND	**0.82 J**	ND	**7**	< 10 U	<20.0	<10	<10.0	<10	5 U	**5**	**140**	**110**	**0.69 J**	**180**	**230**	**7.9**	BDL
Acrylonitrile	NE	NE	20	<1.0	<0.5	NA	NA	NA	NA	NA	< 0.5 U	<0.5	<1	<1.0	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	130	310	710	<1.0	<1	**0.5 J**	NA	0.5 U	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	0.5 U	**0.5 J**	NA	NA	0.5 U	NA	< 0.50	< 0.50	BDL
Bromobenzene	NE	NE	NE	<1.0	<1	2 U	NA	2 U	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	2 U	2 U	NA	NA	2 U	NA	< 0.50	< 0.50	BDL
Bromomethane	NE	NE	NE	<2.0	<2	3 U	NA	3 U	NA	< 0.50	**1.7**	<2.0	<2	<2.0	<2	3 U	3 U	NA	NA	3 U	NA	< 0.50	< 0.50	BDL
Butanone, 2-	50000	50000	NE	<1.0	<1	2 U	NA	2 U	NA	< 0.50	< 2.0 U	<1.0	<1	<1.0	<1	2 U	2 U	NA	NA	2 U	NA	< 0.50	< 0.50	BDL
Butyl alcohol, tert-	NE	NE	NE	<10.0	<10	NA	NA	NA	NA	NA	NA	<10.0	<10	<10.0	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzene, tert-	NE	NE	NE	<1.0	<1	1 U	NA	1 U	NA	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	1 U	NA	< 0.50	< 0.50	BDL
Butylbenzene,sec-	1500	20000	NE	<1.0	<1	1 U	NA	1 U	NA	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	1 U	NA	< 0.50	< 0.50	BDL
Carbon disulfide	NE	NE	NE	<5.0	<5	**1**	ND	1 U	ND	NA	< 0.5 U	<5.0	<5	<5.0	<5	1 U	**1 J**	BMQL	ND	1 U	**2.2**	NA	NA	NA
Carbon tetrachloride	5.3	14	132	<1.0	<1	1 U	NA	1 U	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	1 U	NA	< 0.50	< 0.50	BDL
Chlorobenzene	1800	23000	420000	<1.0	<1	1 U	ND	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	BMQL	ND	1 U	**3**	**0.59**	**8.3**	BDL
Chloroethane	12000	29000	NE	<2.0	<2	3 U	NA	3 U	NA	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	3 U	3 U	NA	NA	3 U	NA	< 0.50	**1.0**	BDL
Chloroform	26	62	14100	<1.0	<1	0.26 U	ND	1 U	ND	**0.74**	**0.6 L**	<1.0	<1	<1.0	<1	**0.22 J**	0.15 U	**3.2**	**4.1**	1 U	**3.4**	**0.92**	**0.74**	BDL
Chloromethane	390	5500	NE	<2.0	<2	**1 J**	ND	1 U	ND	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U	**1 J**	**4.2**	**5.2**	1 U	**6.5**	< 0.50	< 0.50	BDL
Chlorotoluene,2-	NE	NE	NE	<1.0	<1	1 U	ND	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	**2**	1 U	ND	**0.74**	< 0.50	BDL
Dibromo-3-chloropropane,1,2-	NE	NE	NE	<2.0	<2	**1 J**	NA	1 U	NA	< 0.50	NA	<2.0	<2	<2.0	<2	1 U	**1 J**	NA	NA	1 U	NA	< 0.50	< 0.50	BDL
Dibromoethane,1,2-	0.3	11	NE	<1.0	<0.5	1 U	NA	1 U	NA	< 0.50	NA	<0.5	<1	<1.0	<0.5	1 U	1 U	NA	NA	1 U	NA	**5.7**	< 0.50	BDL
Dichlorobenzene,1,2-	5100	50000	170000	<1.0	<1	1 U	ND	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	**7.5**	**3**	1 U	**86**	**5.5**	**12**	BDL
Dichlorobenzene,1,3-	4300	50000	26000	<1.0	<1	1 U	ND	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	ND	1 U	**2.5**	< 0.50	**0.98**	BDL
Dichlorobenzene,1,4-	1400	3400	26000	<2.0	<2	1 U	ND	1 U	ND	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U	1 U	**2.1**	**1.1**	1 U	**1.2**	**0.91**	**2.0**	BDL
Dichlorodifluoromethane	93	1200	NE	NA	<1	1 U	NA	1 U	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	1 U	NA	< 0.50	< 0.50	BDL
Dichloroethane,1,1-	3000	41000	NE	<1.0	<1	1 U	ND	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	ND	1 U	ND	< 0.50	< 0.50	BDL
Dichloroethane,1,2-	6.5	68	2970	<1.0	<1	1 U	ND	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	**2**	1 U	**1.5**	< 0.50	< 0.50	BDL
Dichloroethene, cis-1,2-	830	11000	NE	<1.0	<1	1 U	ND	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	**1.1**	1 U	ND	< 0.50	**3.7**	BDL
Dichloroethene, trans-1,2-	NE	13000	NE	<1.0	<1	NA	NA	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	NA	NA	NA	NA	NA	NA	**0.99**	< 0.50	BDL
Dichloroethene,1,1-	190	920	96	<1.0	<1	1 U	NA	1 U	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	1 U	NA	< 0.50	**8.6**	BDL
Dioxane, p-	NE	NE	NE	<20.0	<20	NA	NA	NA	NA	NA	NA	<20.0	<20	<20.0	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NE	NE	NE	<1.0	<1	1 U	NA	1 U	NA	< 0.50	NA	<0.5	<1	<1.0	<1	1 U	1 U	NA	NA	**1**	NA	< 0.50	< 0.50	BDL
Isopropyl benzene	2800	6800	NE	<1.0	<1	**1**	NA	1 U	NA	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	**1**	NA	NA	1 U	NA	< 0.50	< 0.50	BDL
Isopropyltoluene,4-	1600	22000	NE	<1.0	<1	1 U	NA	1 U	NA	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	1 U	NA	< 0.50	**0.51**	BDL
Methyl tert-butyl ether (MTBE)	21000	50000	NE	<10.0	<10	1 U	**7**	1 U	ND	< 0.50	< 0.5 U	<10.0	<10	<10.0	<10	1 U	1 U	ND	ND	1 U	**2.4**	< 0.50	< 0.50	BDL
Methyl-2-pentanone,4-	13000	50000	NE	<10.0	<5	2 U	NA	2 U	NA	< 5.0	< 2.0 U	<5.0	<10	<10.0	<5	2 U	2 U	NA	NA	2 U	NA	**7.7**	< 5.0	BDL
Methylene chloride	160	2200	48000	<1.0	<1	5 U	ND	5 U	ND	**1.5**	< 0.5 U	<1.0	<1	<1.0	<1	5 U	5 U	**5.7**	**38**	5 U	**8.4**	**0.99**	**0.54**	BDL
Naphthalene	NE	NE	NE	<2.0	<1	1 U	ND	1 U	ND	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	**1**	**1**	1 U	**2.1**	**0.56**	**1.2**	BDL
Propylbenzene, n-	NE	NE	NE	<1.0	<1	**1 J**	NA	1 U	NA	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	**1 J**	NA	NA	1 U	NA	< 0.50	< 0.50	BDL
Styrene	3100	42000	NE	<1.0	<1	**1 J**	NA	1 U	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**1 J**	NA	NA	1 U	NA	< 0.50	< 0.50	BDL
Tetrachloroethene	340	810	88	<1.0	<1	1 U	ND	**0.62 J**	ND	**8.2**	**6.1**	**6.4**	**5.4**	**5.8**	**6.9**	**6.2**	8.5 U	**2**	**1.5**	**4.6**	**3.9**	**4.7**	**16**	BDL
Tetrahydrofuran	370	NE	NE	<10.0	>10	3 U	NA	3 U	NA	NA	NA	<10.0	<10	<10.0	<10	3 U	**3**	NA	NA	3 U	NA	NA	NA	NA
Toluene	7100	41000	4000000	<1.0	<1	1 U	ND	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	**1**	1 U	ND	< 0.50	< 0.50	BDL
Trans-1,2-dichloroethene	1000	13000	NE	NA	NA	2 U	NA	2 U	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	NA	NA	2 U	NA	NA	NA	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	<1.0	<1	2 U	NA	2 U	NA	NA	NA	<1.0	<1	<1.0	<1	2 U	2 U	NA	NA	2 U	NA	NA	NA	NA
Trichlorobenzene, 1,2,3-	NE	NE	NE	<1.0	<1	1 U	ND	1 U	ND	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	**2.9**	**4.9**	**0.33 J**	**1.4**	< 0.50	< 0.50	BDL
Trichlorobenzene, 1,2,4-	NE	NE	NE	<1.0	<1	1 U	ND	1 U	ND	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	**16**	**1.8**	**0.33 J**	**17**	**33**	**2.4**	BDL
Trichloroethane, 1,1,1-	6500	16000	62000	<1.0	<1	1 U	ND	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	ND	1 U	ND	**0.55**	**1.9**	BDL
Trichloroethane, 1,1,2-	220	2900	1260	<1.0	<1	1 U	NA	1 U	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	NA	ND	1 U	ND	< 0.50	< 0.50	BDL
Trichloroethene	27	67	2340	<1.0	<1	1 U	ND	**0.35 J**	**17**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**0.13 J**	0.15 U	ND	**3.3**	**0.26 J**	ND	< 0.50	< 0.50	BDL
Trichlorofluoromethane	1300	4200	NE	<1.0	<1	1 U	ND	**0.37 J**	11	**5.3**	**8.1**	6.6	8.5	6.4	6.3	**7.7**	**6.8 J**	ND	ND	**1.3**	ND	< 0.50	**5.3**	BDL
Trichloropropane, 1,2,3-	NE	NE	NE	<1.0	<1	2 U	NA	2 U	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	2 U	**2**	NA	NA	2 U	NA	< 0.50	< 0.50	BDL
Trihalomethanes, Total (Calc)	NE	NE	NE	<1.0	<1	NA	NA	NA	NA	NA	NA	<1.0	<1	<1.0	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trimethylbenzene, 1,2,4-	360	4800	NE	<1.0	<1	1 U	ND	1 U	ND	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	ND	ND	1 U	ND	< 0.50	**1.0**	BDL
Vinyl chloride	1.6	52	15750	<1.0	<1	**1 J**	NA	1 U	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**1 J**	ND	ND	1 U	ND	< 0.50	**2.7**	BDL
Xylene, m,p-	NE	NE	NE	<2.0	<2	1 U	NA	1 U	NA	< 0.50	NA	<2.0	<2	<2.0	<2	1 U	1 U	NA	NA	1 U	NA	< 0.50	< 0.50	BDL
Xylene, o-	NE	NE	NE	<1.0	<1	1 U	NA	1 U	NA	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	NA	1 U	NA	< 0.50	**2.4**	BDL
Xylenes, Total	8700	48000	NE	<1.0	<1	NA	NA	NA	NA	NA	< 1.0 U	<1.0	<1	<1.0	<1	NA	NA	NA	NA	NA	NA	NA	**2.4**	NA

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MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location:				MW-103	MW-103	MW-103	MW-104	MW-104*	MW-105	MW-105	MW-105	MW-105	MW-105	MW-105	MW-105	MW-105	MW-105	MW-106	MW-107	MW-107**	MW-108	MW-108	MW-108	MW-108
Historical Location I.D.:							MAC-7		(GZ-7)	(GZ-7)								MAC-4	MAC-3		(GZ-9)	(GZ-9)	(GZ-9)	(GZ-9)
Sample Date:	RES GVC	I/C GVC	SWPC	2/15/2007	05/23/2007	4/18/2008	3/1/1995	12/26/2007	3/1/1995	2/08/2001	8/12/2004	7/27/2006	10/30/2006	2/20/2007	05/23/2007	12/26/2007	4/16/2008	3/1/1995	3/1/1995	12/26/2007	3/1/1995	2/08/2001	2/08/2001	7/29/2002
SVOCs (ug/l)																								
Acenaphthene	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benz[a]anthracene	NE	NE	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz[a,h]anthracene	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorophenol,2,4-	NE	NE	15800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitroaniline,2-	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorophenol, 2,4,5-	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (ug/l)																								
Aluminum	NE	NE	NE	NA	NA	210 U	NA	**15900**	NA	NA	NA	NA	NA	NA	NA	**11500**	360 U	NA	NA	**104000**	NA	NA	NA	NA
Antimony	NE	NE	86000	NA	NA	**10 J**	NA	25 U	NA	NA	NA	NA	NA	NA	NA	25 U	**10**	NA	NA	**6.9 J**	NA	NA	NA	NA
Arsenic	NE	NE	4	<4	<4	10 U	< 5.0	**6.1 J**	< 5.0	< 5	< 4 U	<4.0	<4	<4.0	<4	13 U	10 U	**69**	**36**	**42**	**59**	< 5	< 5	BDL
Barium	NE	NE	NE	**28.8**	**68**	82 U	**36**	**190**	**465**	**200**	**27 L**	**24.4**	**13.6**	**17.4**	**58.1**	**230**	46 U	**20**	**6**	**650**	**15**	**160**	**160**	BDL
Beryllium	NE	NE	4	NA	NA	1.5 U	NA	**1 J**	NA	NA	NA	NA	NA	NA	NA	**0.88 J**	1.5 U	NA	NA	**5.2**	NA	NA	NA	NA
Cadmium	NE	NE	6	<2.5	<2.5	2.5 U	< 4.0	**1.6 J**	< 4.0	< 5	< 2 U	**2.6**	<2.5	<2.5	<2.5	**1.2 J**	2.5 U	**14**	ND	**8.2**	**32**	< 5	< 5	**9**
Calcium	NE	NE	NE	NA	NA	10600 U	NA	**4900**	NA	NA	NA	NA	NA	NA	NA	**7200**	2400 U	NA	NA	**6800**	NA	NA	NA	NA
Chromium	NE	NE	NE	<5	<5	5 U	**5**	**420**	**5**	< 20	< 5 U	<5.0	<7.2	<5.0	25.6	**43**	20 U	**200**	**14**	**7200**	**914**	**26**	< 20	BDL
Cobalt	NE	NE	NE	NA	NA	5 U	NA	**14**	NA	NA	NA	NA	NA	NA	NA	**12**	**5**	NA	NA	**59**	NA	NA	NA	NA
Copper	NE	NE	48	<5	<5	5 U	**27**	**69**	**20**	< 10	< 5 U	<5.0	<5	<5.0	<5	**42**	2.1 U	**162000**	**8680**	**15900**	**239000**	**4100**	**380**	**1060**
Fluoride	NE	NE	NE	NA	NA	NA	< 40	NA	**270**	< 200	NA	NA	NA	NA	NA	NA	NA	**10000**	**4100**	NA	**6400**	**660**	**2600**	BDL
Iron	NE	NE	NE	NA	NA	300 U	NA	**36700**	NA	NA	NA	NA	NA	NA	NA	**20000**	610 U	NA	NA	**142000**	NA	NA	NA	NA
Lead	NE	NE	13	<7.5	<7.5	5 U	< 5	**25**	< 5	< 5	< 5.0 U	<7.5	<7.5	<7.5	<7.5	**12**	5 U	**55**	**13**	**360**	**14**	< 5	< 5	< 6
Magnesium	NE	NE	NE	NA	NA	1600 U	NA	**5700**	NA	NA	NA	NA	NA	NA	NA	**5600**	640 U	NA	NA	**20900**	NA	NA	NA	NA
Manganese	NE	NE	NE	NA	NA	**75 J**	NA	**1100**	NA	NA	NA	NA	NA	NA	NA	**1200**	**81 J**	NA	NA	**1200**	NA	NA	NA	NA
Mercury	NE	NE	NE	<0.2	<0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 2 U	<0.20	<0.2	<0.20	<0.2	NA	NA	**1.5**	**1.1**	NA	**0.5**	**8**	< 0.2	**0.5**
Nickel	NE	NE	880	<5	<5	5 U	< 54	**66**	< 54	< 20	**27 L**	<5.0	<5	<5.0	**7.3**	**35**	7.2 U	**412**	**342**	**480**	**1140**	**850**	**240**	**1250**
Potassium	NE	NE	NE	NA	NA	1700 U	NA	**4500**	NA	NA	NA	NA	NA	NA	NA	**4600**	**1800 J**	NA	NA	**19200**	NA	NA	NA	NA
Selenium	NE	NE	50	<15	<15	15 U	< 5	15 U	< 5	< 5	< 5 U	<15.0	<15	<15.0	<15	15 U	15 U	**94**	**56**	**9.3 J**	**56**	< 5	< 5	< 5
Silver	NE	NE	12	<5	<12.5	2.5 U	< 10	**0.84 J**	< 10	< 10	< 5 U	<5.0	<5	<10.0	<12.5	2.5 U	2.5 U	**55**	**10**	**45**	**26**	< 10	< 10	< 10
Sodium	NE	NE	NE	NA	NA	8000 U	NA	**13200**	NA	NA	NA	NA	NA	NA	NA	**19100**	24200 U	NA	NA	**37900**	NA	NA	NA	NA
Vanadium	NE	NE	NE	NA	NA	0.55 U	NA	**38**	NA	NA	NA	NA	NA	NA	NA	**25**	0.87 U	NA	NA	**140**	NA	NA	NA	NA
Zinc	NE	NE	123	**6.8**	**42.5**	11 U	**32**	**93**	< 20	**59**	**10 L**	**91.0**	<38	**15.2**	<42.5	**72**	25 U	**70**	**26**	**690**	**16500**	**64**	**98**	BDL
Filtered Metals (ug/l)																								
Barium	NE	NE	NE	25.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NE	NE	6	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NE	NE	NE	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NE	NE	48	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NE	NE	13	<7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NE	NE	NE	<0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NE	NE	880	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NE	NE	12	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NE	NE	123	<123	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Cyanide (ug/l)																								
Cyanide, Total	NE	NE	52	NA	NA	3.4 U	**130**	**2.9 J**	< 10	NA	< 5 U	NA	NA	NA	NA	**2.3 J**	2.3 UJ	**70**	**350**	**28**	**280**	**64**	NA	<10
Cyanide, water	NE	NE	NE	NA	NA	NA	NA	NA	NA	> 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA
Cyanide-Amenable, Water	NE	NE	NE	NA	NA	NA	< 10	NA	< 10	> 10	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	NA	< 10	**12**	< 10	< 10

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MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location: Historical Location I.D.: Sample Date:	RES GVC	I/C GVC	SWPC	MW-109 (GZ-8) 3/1995	MW-109 (GZ-8) 2/08/2001	MW-109 8/13/2004
VOCs (ug/l)						
Acetone	50000	50000	NE	ND	**210**	< 10 U
Acrylonitrile	NE	NE	20	NA	NA	< 0.5 U
Benzene	130	310	710	NA	< 0.50	< 0.5 U
Bromobenzene	NE	NE	NE	NA	< 0.50	< 0.5 U
Bromomethane	NE	NE	NE	NA	< 0.50	< 0.5 U
Butanone, 2-	50000	50000	NE	NA	< 0.50	< 2.0 U
Butyl alcohol, tert-	NE	NE	NE	NA	NA	NA
Butylbenzene, tert-	NE	NE	NE	NA	< 0.50	NA
Butylbenzene,sec-	1500	20000	NE	NA	< 0.50	NA
Carbon disulfide	NE	NE	NE	ND	NA	< 0.5 U
Carbon tetrachloride	5.3	14	132	NA	< 0.50	< 0.5 U
Chlorobenzene	1800	23000	420000	**1.2**	**0.70**	< 0.5 U
Chloroethane	12000	29000	NE	NA	< 0.50	< 0.5 U
Chloroform	26	62	14100	ND	**1.0**	**0.6 L**
Chloromethane	390	5500	NE	ND	< 0.50	< 0.5 U
Chlorotoluene,2-	NE	NE	NE	ND	**0.80**	< 0.5 U
Dibromo-3-chloropropane,1,2-	NE	NE	NE	NA	< 0.50	NA
Dibromoethane,1,2-	0.3	11	NE	NA	**5.7**	NA
Dichlorobenzene,1,2-	5100	50000	170000	**57**	**5.8**	< 0.5 U
Dichlorobenzene,1,3-	4300	50000	26000	**1.3**	**1.0**	< 0.5 U
Dichlorobenzene,1,4-	1400	3400	26000	**10**	< 0.50	< 0.5 U
Dichlorodifluoromethane	93	1200	NE	NA	< 0.50	< 0.5 U
Dichloroethane,1,1-	3000	41000	NE	**3.8**	**1.0**	**1.1**
Dichloroethane,1,2-	6.5	68	2970	ND	**6.5**	< 0.5 U
Dichloroethene, cis-1,2-	830	11000	NE	**1.6**	< 0.50	< 0.5 U
Dichloroethene, trans-1,2-	NE	13000	NE	NA	< 0.50	< 0.5 U
Dichloroethene,1,1-	190	920	96	NA	< 0.50	< 0.5 U
Dioxane, p-	NE	NE	NE	NA	NA	NA
Hexachlorobutadiene	NE	NE	NE	NA	< 0.50	NA
Isopropyl benzene	2800	6800	NE	NA	< 0.50	NA
Isopropyltoluene,4-	1600	22000	NE	NA	< 0.50	NA
Methyl tert-butyl ether (MTBE)	21000	50000	NE	**1.8**	< 0.50	< 0.5 U
Methyl-2-pentanone,4-	13000	50000	NE	NA	**7.8**	< 2.0 U
Methylene chloride	160	2200	48000	ND	**1**	< 0.5 U
Naphthalene	NE	NE	NE	**2.4**	**0.60**	NA
Propylbenzene, n-	NE	NE	NE	NA	< 0.50	NA
Styrene	3100	42000	NE	NA	< 0.50	< 0.5 U
Tetrachloroethene	340	810	88	**9.3**	**4.6**	**5.1**
Tetrahydrofuran	370	NE	NE	NA	NA	NA
Toluene	7100	41000	4000000	ND	< 0.50	< 0.5 U
Trans-1,2-dichloroethene	1000	13000	NE	NA	NA	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	NA	NA	NA
Trichlorobenzene, 1,2,3-	NE	NE	NE	ND	< 0.50	NA
Trichlorobenzene, 1,2,4-	NE	NE	NE	**3.9**	**31**	NA
Trichloroethane, 1,1,1-	6500	16000	62000	**4**	**0.60**	**0.8 L**
Trichloroethane, 1,1,2-	220	2900	1260	NA	< 0.50	< 0.5 U
Trichloroethene	27	67	2340	**1**	< 0.50	< 0.5 U
Trichlorofluoromethane	1300	4200	NE	ND	< 0.50	< 0.5 U
Trichloropropane, 1,2,3-	NE	NE	NE	NA	< 0.50	< 0.5 U
Trihalomethanes, Total (Calc)	NE	NE	NE	NA	NA	NA
Trimethylbenzene, 1,2,4-	360	4800	NE	ND	< 0.50	NA
Vinyl chloride	1.6	52	15750	ND	< 0.50	< 0.5 U
Xylene, m,p-	NE	NE	NE	**2**	< 0.50	NA
Xylene, o-	NE	NE	NE	**2.3**	< 0.50	NA
Xylenes, Total	8700	48000	NE	NA	NA	< 1.0 U

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MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location: Historical Location I.D.: Sample Date:	RES GVC	I/C GVC	SWPC	MW-109 (GZ-8) 3/1995	MW-109 (GZ-8) 2/08/2001	MW-109 8/13/2004
SVOCs (ug/l)						
Acenaphthene	NE	NE	NE	NA	NA	NA
Benz[a]anthracene	NE	NE	0.3	NA	NA	NA
Bis(2-chloroethoxy)methane	NE	NE	NE	NA	NA	NA
Carbazole	NE	NE	NE	NA	NA	NA
Chrysene	NE	NE	NE	NA	NA	NA
Dibenz[a,h]anthracene	NE	NE	NE	NA	NA	NA
Dichlorophenol,2,4-	NE	NE	15800	NA	NA	NA
Isophorone	NE	NE	NE	NA	NA	NA
Nitroaniline,2-	NE	NE	NE	NA	NA	NA
Trichlorophenol, 2,4,5-	NE	NE	NE	NA	NA	NA
Total Metals (ug/l)						
Aluminum	NE	NE	NE	NA	NA	NA
Antimony	NE	NE	86000	NA	NA	NA
Arsenic	NE	NE	4	ND	< 5	**7**
Barium	NE	NE	NE	**37**	**200**	**24 L**
Beryllium	NE	NE	4	NA	NA	NA
Cadmium	NE	NE	6	< 5	< 5	< 2 U
Calcium	NE	NE	NE	NA	NA	NA
Chromium	NE	NE	NE	**7**	**26**	**32 L**
Cobalt	NE	NE	NE	NA	NA	NA
Copper	NE	NE	48	**1140**	**3700**	**291**
Fluoride	NE	NE	NE	**1500**	**680**	NA
Iron	NE	NE	NE	NA	NA	NA
Lead	NE	NE	13	< 5	< 5	< 5.0 U
Magnesium	NE	NE	NE	NA	NA	NA
Manganese	NE	NE	NE	NA	NA	NA
Mercury	NE	NE	NE	< 0.2	**8.1**	< 2 U
Nickel	NE	NE	880	**408**	**740**	**77**
Potassium	NE	NE	NE	NA	NA	NA
Selenium	NE	NE	50	**10**	< 5	< 5 U
Silver	NE	NE	12	**26**	< 10	< 5 U
Sodium	NE	NE	NE	NA	NA	NA
Vanadium	NE	NE	NE	NA	NA	NA
Zinc	NE	NE	123	< 38	**82**	**15**
Filtered Metals (ug/l)						
Barium	NE	NE	NE	NA	NA	NA
Cadmium	NE	NE	6	NA	NA	NA
Chromium	NE	NE	NE	NA	NA	NA
Copper	NE	NE	48	NA	NA	NA
Lead	NE	NE	13	NA	NA	NA
Mercury	NE	NE	NE	NA	NA	NA
Nickel	NE	NE	880	NA	NA	NA
Silver	NE	NE	12	NA	NA	NA
Zinc	NE	NE	123	NA	NA	NA
Total Cyanide (ug/l)						
Cyanide, Total	NE	NE	52	< 10	**63**	< 5 U
Cyanide, water	NE	NE	NE	NA	NA	NA
Cyanide-Amenable, Water	NE	NE	NE	< 10	>10	NA

GEI Consultants

MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location: Historical Location I.D.: Sample Date:	RES GVC	I/C GVC	SWPC	MW-109 7/27/2006	MW-109 10/30/2006	Duplicate of: MW-109 10/30/2006	MW-109 2/15/2007	MW-109 5/25/2007	MW-109 4/18/2008	Duplicate of: MW-109 4/18/2008	MW-110 (MAC-1) 3/1/1995	MW-110 (MAC-1) 2/08/2001	Du[plicate of: MW-110 (MAC-1A) 2/08/2001	MW-110 MAC-1 7/29/2002	MW-110 8/12/2004	MW-110 7/28/2006	MW-110 10/31/2006	MW-110 2/16/2007	MW-110 5/25/2007	MW-111 (GZ-6) 3/1995	MW-111 (GZ-6) 2/08/2001	MW-111 7/29/2002
VOCs (ug/l)																						
Acetone	50000	50000	NE	<20.0	<10	<10	<20.0	<10	5 U	**5**	**140**	**45**	**30**	BDL	< 10 U	<20.0	<10	<20.0	<10	ND	**11**	BDL
Acrylonitrile	NE	NE	20	<0.5	<1	<1	<0.5	**180**	NA	NA	NA	NA	NA	NA	< 0.5 U	<0.5	<1	<0.5	<1	NA	NA	NA
Benzene	130	310	710	<1.0	<1	<1	<1.0	<1	0.5 U	**0.5**	NA	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	NA	< 0.50	BDL
Bromobenzene	NE	NE	NE	<1.0	<1	<1	<1.0	<1	2 U	2 U	NA	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	NA	< 0.50	BDL
Bromomethane	NE	NE	NE	<2.0	<2	<2	<2.0	<2	3 U	3 U	NA	< 0.50	< 0.50	BDL	< 0.5 U	**4.2**	<2	<2.0	<2	NA	< 0.50	BDL
Butanone, 2-	50000	50000	NE	<1.0	<1	<1.0	<1	<10	2 U	2 U	NA	< 0.50	< 0.50	BDL	< 2.0 U	<1.0	<1	<1.0	<1	NA	< 0.50	BDL
Butyl alcohol, tert-	NE	NE	NE	<10.0	<10	<10	<10.0	**203**	NA	NA	NA	NA	NA	NA	NA	<10.0	<10	<10.0	<10	NA	NA	NA
Butylbenzene, tert-	NE	NE	NE	<1.0	<1	<1	<1.0	<1	1 U	1 U	NA	< 0.50	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	NA	< 0.50	BDL
Butylbenzene,sec-	1500	20000	NE	<1.0	<1	<1	<1.0	<1	1 U	1 U	NA	< 0.50	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	NA	< 0.50	BDL
Carbon disulfide	NE	NE	NE	<5.0	<5	<5	<5.0	<5	1 U	**1**	ND	NA	NA	NA	< 0.5 U	<5.0	<5	<5.0	<5	ND	NA	NA
Carbon tetrachloride	5.3	14	132	<1.0	<1	<1	<1.0	<1	1 U	1 U	NA	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	NA	< 0.50	BDL
Chlorobenzene	1800	23000	420000	<1.0	<1	<1	<1.0	<1	1 U	1 U	**3**	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	ND	< 0.50	BDL
Chloroethane	12000	29000	NE	<2.0	<2	<2	<2.0	<2	3 U	3 U	NA	< 0.50	< 0.50	BDL	< 0.5 U	<2.0	<2	<2.0	<2	NA	**5.1**	BDL
Chloroform	26	62	14100	<1.0	<1	<1	<1.0	<1	1 U	1 U	**5.5**	**5.7**	**5.9**	BDL	< 0.5 U	<1.0	<1	<1.0	<1	ND	< 0.50	BDL
Chloromethane	390	5500	NE	<2.0	<2	<2	<2.0	<2	1 U	1 U	**5**	**0.88**	**0.91**	BDL	< 0.5 U	<2.0	<2	<2.0	<2	ND	< 0.50	BDL
Chlorotoluene,2-	NE	NE	NE	<1.0	<1	<1	<1.0	<1	1 U	1 U	<0.50	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	ND	< 0.50	BDL
Dibromo-3-chloropropane,1,2-	NE	NE	NE	<2.0	<2	<2	<2.0	<2	1 U	**1 J**	NA	< 0.50	< 0.50	BDL	NA	<2.0	<2	<2.0	<2	NA	< 0.50	BDL
Dibromoethane,1,2-	0.3	11	NE	<0.5	<1	<1	<0.5	<1	1 U	1 U	NA	< 0.50	< 0.50	BDL	NA	<0.5	<1	<0.5	<1	NA	**17**	BDL
Dichlorobenzene,1,2-	5100	50000	170000	<1.0	<1	<1	<1.0	<1	1 U	1 U	**11**	**0.53**	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	ND	< 0.50	BDL
Dichlorobenzene,1,3-	4300	50000	26000	<1.0	<1	<1	<1.0	<1	1 U	1 U	ND	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	ND	< 0.50	BDL
Dichlorobenzene,1,4-	1400	3400	26000	<2.0	<2	<2	<2.0	<2	1 U	1 U	**2.8**	< 0.50	< 0.50	BDL	< 0.5 U	<2.0	<2	<2.0	<2	ND	< 0.50	BDL
Dichlorodifluoromethane	93	1200	NE	<1.0	<1	<1	<1.0	<1	0.44 U	0.57 U	NA	< 0.50	**0.51**	BDL	< 0.5 U	<1.0	<1	<1.0	<1	NA	**2.0**	BDL
Dichloroethane,1,1-	3000	41000	NE	<1.0	<1	<1	<1.0	<1	**1 J**	**1**	**1.2**	< 0.50	< 0.50	BDL	**1.2**	<1.0	<1	<1.0	<1	**74**	**42**	**2**
Dichloroethane,1,2-	6.5	68	2970	<1.0	<1	<1	<1.0	<1	1 U	1 U	**1.2**	**1.4**	**1.3**	BDL	**2.5**	<1.0	<1	<1.0	<1	**4**	< 0.50	**84**
Dichloroethene, cis-1,2-	830	11000	NE	<1.0	<1	<1	<1.0	<1	1 U	1 U	ND	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	ND	**1.2**	BDL
Dichloroethene, trans-1,2-	NE	13000	NE	<1.0	<1	<1	<1.0	<1	NA	NA	NA	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	NA	< 0.50	BDL
Dichloroethene,1,1-	190	920	96	<1.0	<1	<1	<1.0	<1	1 U	1 U	NA	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	NA	**0.50**	BDL
Dioxane, p-	NE	NE	NE	<20.0	<20	<20.0	<20	<20	NA	NA	NA	NA	NA	NA	NA	<1.0	<1	<1.0	<1	NA	NA	NA
Hexachlorobutadiene	NE	NE	NE	<0.5	<1	<1.0	<1	<1	1 U	1 U	NA	< 0.50	< 0.50	BDL	NA	<0.5	<1	<1.0	<1	NA	< 0.50	BDL
Isopropyl benzene	2800	6800	NE	<1.0	<1	<1	<1.0	<1	1 U	**1**	NA	< 0.50	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	NA	< 0.50	BDL
Isopropyltoluene,4-	1600	22000	NE	<1.0	<1	<1	<1.0	<1	1 U	1 U	NA	< 0.50	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	NA	< 0.50	BDL
Methyl tert-butyl ether (MTBE)	21000	50000	NE	<10.0	<10	<10	<10.0	<10	1 U	1 U	**4.4**	< 0.50	< 0.50	BDL	< 0.5 U	<10.0	<10	<10.0	<10	ND	< 0.50	BDL
Methyl-2-pentanone,4-	13000	50000	NE	<5.0	<10	<10	<5.0	<10	2 U	2 U	NA	< 5.0	< 5.0	BDL	< 2.0 U	<5.0	<10	<5.0	<10	NA	< 5.0	BDL
Methylene chloride	160	2200	48000	<1.0	<1	<1	<1.0	<1	5 U	5 U	**8.5**	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	ND	< 0.50	BDL
Naphthalene	NE	NE	NE	<1.0	<1	<1	<1.0	<1	1 U	1 U	ND	< 0.50	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	ND	< 0.50	BDL
Propylbenzene, n-	NE	NE	NE	<1.0	<1	<1	<1.0	<1	**1 J**	**1 J**	NA	< 0.50	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	NA	< 0.50	BDL
Styrene	3100	42000	NE	<1.0	<1	<1	<1.0	<1	**1 J**	**1 J**	NA	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	NA	< 0.50	BDL
Tetrachloroethene	340	810	88	**1.7**	**4.2**	**4.4**	**4.2**	**1.7**	3.2 U	3.2 U	**12**	< 0.50	**94**	**95**	**20 H**	**6.3**	**38.5**	**46.9**	**17.8**	**6**	**9.4**	BDL
Tetrahydrofuran	370	NE	NE	<10.0	<10	<10	<10.0	<10	**3**	**3**	NA	NA	NA	NA	NA	<10.0	<10	<10.0	<10	NA	NA	NA
Toluene	7100	41000	4000000	<1.0	<1	<1	<1.0	<1	1 U	1 U	**1.2**	**93**	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	ND	< 0.50	BDL
Trans-1,2-dichloroethene	1000	13000	NE	NA	NA	NA	NA	NA	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	<1.0	<1	<1	<1.0	<1	2 U	2 U	NA	NA	NA	NA	NA	<1.0	<1	<1.0	<1	NA	NA	NA
Trichlorobenzene, 1,2,3-	NE	NE	NE	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 1.0	< 0.50	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	< 1.0	< 0.50	BDL
Trichlorobenzene, 1,2,4-	NE	NE	NE	<1.0	**3.6**	**3.2**	**2.4**	<1	1 U	1 U	**3.9**	**5.0**	**1.7**	BDL	NA	<1.0	<1	<1.0	<1	ND	< 0.50	BDL
Trichloroethane, 1,1,1-	6500	16000	62000	<1.0	**1.2**	**1.2**	<1.0	<1	1 U	1 U	**4**	**0.69**	**0.69**	BDL	< 0.5 U	<1.0	<1	**1.5**	<1	**4.2**	**1.9**	BDL
Trichloroethane, 1,1,2-	220	2900	1260	<1.0	<1	<1	<1.0	<1	1 U	1 U	NA	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	NA	< 0.50	BDL
Trichloroethene	27	67	2340	<1.0	<1	<1	<1.0	<1	1 U	1 U	**1**	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	< 1	**0.84**	BDL
Trichlorofluoromethane	1300	4200	NE	<1.0	<1	<1	<1.0	<1	0.29 U	0.37 U	ND	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	ND	< 0.50	BDL
Trichloropropane, 1,2,3-	NE	NE	NE	<1.0	<1	<1	<1.0	<1	2 U	**2 J**	NA	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	NA	< 0.50	BDL
Trihalomethanes, Total (Calc)	NE	NE	NE	<1.0	<1	<1	<1.0	<1	NA	NA	NA	NA	NA	NA	NA	<1.0	<1	<1.0	<1	NA	NA	NA
Trimethylbenzene, 1,2,4-	360	4800	NE	<1.0	<1	<1	<1.0	<1	1 U	1 U	ND	< 0.50	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	ND	< 0.50	BDL
Vinyl chloride	1.6	52	15750	<1.0	<1	<1	<1.0	<1	**1 J**	**1 J**	ND	< 0.50	< 0.50	BDL	< 0.5 U	<1.0	<1	<1.0	<1	ND	**0.75**	BDL
Xylene, m,p-	NE	NE	NE	<2.0	<2	<2	<2.0	<2	1 U	1 U	ND	< 0.50	< 0.50	BDL	NA	<2.0	<2	<2.0	<2	ND	< 0.50	BDL
Xylene, o-	NE	NE	NE	<1.0	<1	<1	<1.0	<1	1 U	1 U	ND	< 0.50	< 0.50	BDL	NA	<1.0	<1	<1.0	<1	ND	< 0.50	BDL
Xylenes, Total	8700	48000	NE	<1.0	<1	<1	<1.0	<1	NA	NA	NA	NA	NA	NA	< 1.0 U	<1.0	<1	<1.0	<1	NA	NA	NA

GEI Consultants

MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location: Historical Location I.D.: Sample Date:	RES GVC	I/C GVC	SWPC	MW-109 7/27/2006	MW-109 10/30/2006	Duplicate of: MW-109 10/30/2006	MW-109 2/15/2007	MW-109 5/25/2007	MW-109 4/18/2008	Duplicate of: MW-109 4/18/2008	MW-110 (MAC-1) 3/1/1995	MW-110 (MAC-1) 2/08/2001	Du[plicate of: MW-110 (MAC-1A) 2/08/2001	MW-110 MAC-1 7/29/2002	MW-110 8/12/2004	MW-110 7/28/2006	MW-110 10/31/2006	MW-110 2/16/2007	MW-110 5/25/2007	MW-111 (GZ-6) 3/1995	MW-111 (GZ-6) 2/08/2001	MW-111 7/29/2002
SVOCs (ug/l)																						
Acenaphthene	NE	NE	NE	NA	NA	NA	NA	NA	**12 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benz[a]anthracene	NE	NE	0.3	NA	NA	NA	NA	NA	**0.12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NE	NE	NE	NA	NA	NA	NA	NA	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NE	NE	NE	NA	NA	NA	NA	NA	**12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NE	NE	NE	NA	NA	NA	NA	NA	**0.12 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz[a,h]anthracene	NE	NE	NE	NA	NA	NA	NA	NA	**0.12 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorophenol,2,4-	NE	NE	15800	NA	NA	NA	NA	NA	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NE	NE	NE	NA	NA	NA	NA	NA	**12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitroaniline,2-	NE	NE	NE	NA	NA	NA	NA	NA	**60**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorophenol, 2,4,5-	NE	NE	NE	NA	NA	NA	NA	NA	**60 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (ug/l)																						
Aluminum	NE	NE	NE	NA	NA	NA	NA	NA	500 U	700 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	NE	NE	86000	NA	NA	NA	NA	NA	10 U	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NE	NE	4	<4.0	<4	< 4	<4	<4	10 U	10 U	**58**	< 5	< 5	BDL	< 4 U	<4.0	<4	<4.0	<4	< 5	< 5	BDL
Barium	NE	NE	NE	**58.7**	**43.3**	**43.8**	**111**	**75.4**	140 U	160 U	**21**	**150**	**170**	BDL	**18 L**	**11.3**	**20.4**	**40**	**171**	**67**	**420**	BDL
Beryllium	NE	NE	4	NA	NA	NA	NA	NA	1.5 U	1.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NE	NE	6	<2.5	<2.5	< 2.5	<2.5	<2.5	7 U	7.8 U	**37**	**83**	**89**	**49.9**	< 2 U	<2.5	<2.5	<2.5	<2.5	< 4	< 5	BDL
Calcium	NE	NE	NE	NA	NA	NA	NA	NA	**49500**	**54700**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NE	NE	NE	**14.2**	**7.4**	< 7.7	**7.6**	**3.72**	21 U	34 U	**500**	**86**	**36**	BDL	**11 L**	**8.6**	**5.9**	**11.6**	**10.4**	**5**	< 20	BDL
Cobalt	NE	NE	NE	NA	NA	NA	NA	NA	120 U	**130 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NE	NE	48	**390**	**286**	**284**	**702**	**1730**	**6500**	**7200**	**146000**	**13000**	**12000**	**18300**	**512**	**1250**	**606**	**516**	**2270**	ND	**14**	BDL
Fluoride	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	**8400**	**600**	**550**	BDL	NA	NA	NA	NA	**NA**	**40**	< 200	BDL
Iron	NE	NE	NE	NA	NA	NA	NA	NA	600 U	650 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NE	NE	13	<7.5	<7.5	< 7.5	<7.5	<7.5	5 U	5 U	**16**	< 5	< 5	< 6	< 5.0 U	<7.5	<7.5	<7.5	<7.5	< 3	< 5	< 6
Magnesium	NE	NE	NE	NA	NA	NA	NA	NA	8100 U	8800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NE	NE	NE	NA	NA	NA	NA	NA	**4600**	**5000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NE	NE	NE	<0.20	<0.2	< 0.2	<0.2	<0.2	NA	NA	**1.2**	**1**	**9**	**2.5**	**0.3 L**	<0.20	<0.2	<0.25	<0.2	< 0.2	< 0.2	BDL
Nickel	NE	NE	880	**410**	**362**	**358**	**1510**	**586**	1400 U	1500 U	**846**	**1500**	**1600**	**1530**	**19 L**	**26.9**	**12.7**	**17.4**	**133**	< 54	< 20	BDL
Potassium	NE	NE	NE	NA	NA	NA	NA	NA	7300 U	**8100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NE	NE	50	<15.0	<15	< 15	<15.0	<15	15 UJ	15 U	< 5	< 5	< 5	< 5	< 5 U	<15.0	<15	<15.0	<15	< 5	< 5	< 5
Silver	NE	NE	12	<5.0	< 5	< 5.0	<5.0	< 5	1.2 U	1.4 U	**28**	**43**	**41**	**36**	< 5 U	<5.0	<5	<5.0	< 5	< 7	< 10	BDL
Sodium	NE	NE	NE	NA	NA	NA	NA	NA	**90300 J**	**96100 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NE	NE	NA	NA	NA	NA	NA	0.7 U	1.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NE	NE	123	**105**	**79.7**	< 38	**96.8**	**70.6**	2200 U	2400 U	**6260**	**2900**	**3000**	**2900**	**63**	< 50.8	< 38	< 55.5	**200**	< 20	**150**	BDL
Filtered Metals (ug/l)																						
Barium	NE	NE	NE	NA	**40**	**40**	**111**	**70.4**	NA	NA	NA	**310**	NA	NA	NA	NA	NA	**44.6**	**172**	NA	NA	NA
Cadmium	NE	NE	6	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	**110**	NA	NA	NA	NA	NA	<2.5	<2.5	NA	NA	NA
Chromium	NE	NE	NE	NA	<5	<5	<5	<5	NA	NA	NA	**1400**	NA	NA	NA	NA	NA	<5	**10.2**	NA	NA	NA
Copper	NE	NE	48	NA	**230**	**249**	**704**	**1660**	NA	NA	NA	**36000**	NA	NA	NA	NA	NA	**494**	**2260**	NA	NA	NA
Lead	NE	NE	13	NA	<7.5	<7.5	<7.5	<7.5	NA	NA	NA	**6**	NA	NA	NA	NA	NA	<7.5	<7.5	NA	NA	NA
Mercury	NE	NE	NE	NA	<0.2	<0.2	<0.2	<0.2	NA	NA	NA	**6**	NA	NA	NA	NA	NA	<0.2	<0.2	NA	NA	NA
Nickel	NE	NE	880	NA	**340**	**352**	**1550**	**691**	NA	NA	NA	**1600**	NA	NA	NA	NA	NA	**18**	**138**	NA	NA	NA
Silver	NE	NE	12	NA	<5	<5	<5	<5	NA	NA	NA	**160**	NA	NA	NA	NA	NA	<5	<5	NA	NA	NA
Zinc	NE	NE	123	NA	<45	<45	<38	**718**	NA	NA	NA	**4900**	NA	**160**	NA	NA	NA	**39.9**	**188**	NA	NA	BDL
Total Cyanide (ug/l)																						
Cyanide, Total	NE	NE	52	NA	NA	NA	NA	NA	**5.3**	**4.8**	**600**	NA	NA	< 10	< 5 U	NA	NA	NA	NA	< 10	NA	< 10
Cyanide, water	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	**12**	**86**	NA	NA	NA	NA	NA	NA	NA	> 10	NA
Cyanide-Amenable, Water	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	**100**	> 10	**12**	< 10	NA	NA	NA	NA	NA	NA	> 10	< 10

MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location: Historical Location I.D.: Sample Date:	RES GVC	I/C GVC	SWPC	MW-111 8/12/2004	MW-111 7/27/2006	MW-111 10/30/2006	MW-111 2/15/2007	MW-111 5/23/2007	MW-111 12/26/2007	MW-111 4/16/2008	MW-112 (GZ-3) 3/1995	MW-112 (GZ-3) 2/08/2001	MW-112 8/13/2004	MW-112 7/28/2006	MW-112 10/31/2006	MW-112 2/13/2007	MW-112 5/23/2007	MW-112 12/26/2007	MW-112 4/17/2008	MW-113 3/1995	MW-113 (GZ-5) 2/08/2001
VOCs (ug/l)																					
Acetone	50000	50000	NE	< 10 U	<20.0	<10	<10.0	<10	**0.71 J**	5 U	ND	< 5.0	< 10 U	<20.0	<10	<10.0	<10	**0.84 J**	5 U	ND	**14**
Acrylonitrile	NE	NE	20	< 0.5 U	<0.5	<1	<0.5	<1	NA	NA	NA	NA	< 0.5 U	<0.5	<1	<0.5	<1	NA	NA	NA	NA
Benzene	130	310	710	< 0.5 U	<1.0	<1	<1.0	<1	0.5 U	0.5 U	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	0.5 U	0.5 U	NA	< 0.50
Bromobenzene	NE	NE	NE	< 0.5 U	<1.0	<1	<1.0	<1	2 U	2 U	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	2 U	2 U	NA	< 0.50
Bromomethane	NE	NE	NE	< 0.5 U	<2.0	<2	<2.0	<2	3 U	3 U	NA	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	3 U	3 U	NA	< 0.50
Butanone, 2-	50000	50000	NE	**3.5**	<1.0	<1	<1.0	<1	2 U	2 U	NA	< 0.50	< 2.0 U	<1.0	<1	<1.0	<1	2 U	2 U	NA	< 0.50
Butyl alcohol, tert-	NE	NE	NE	NA	<10.0	<10	<10.0	<10	NA	NA	NA	NA	NA	<10.0	<10	<10.0	<10	NA	NA	NA	NA
Butylbenzene, tert-	NE	NE	NE	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	**0.70**
Butylbenzene,sec-	1500	20000	NE	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	**1.6**
Carbon disulfide	NE	NE	NE	< 0.5 U	<5.0	<5	<5.0	<5	1 U	1 U	ND	NA	< 0.5 U	<5.0	<5	<5.0	<5	1 U	1 U	ND	NA
Carbon tetrachloride	5.3	14	132	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	NA	< 0.50
Chlorobenzene	1800	23000	420000	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50
Chloroethane	12000	29000	NE	< 0.5 U	<2.0	<2	<2.0	<2	3 U	3 U	NA	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	3 U	3 U	NA	< 0.50
Chloroform	26	62	14100	**0.5 L**	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50
Chloromethane	390	5500	NE	< 0.5 U	<2.0	<2	<2.0	<2	1 U	1 U	ND	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U	1 U	ND	< 0.50
Chlorotoluene,2-	NE	NE	NE	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50
Dibromo-3-chloropropane,1,2-	NE	NE	NE	NA	<2.0	<2	<2.0	<2	1 U	1 U	NA	< 0.50	NA	<2.0	<2	<2.0	<2	1 U	1 U	NA	< 0.50
Dibromoethane,1,2-	0.3	11	NE	NA	<0.5	<1	<0.5	<1	1 U	1 U	NA	< 0.50	NA	<0.5	<1	<0.5	<1	1 U	1 U	NA	< 0.50
Dichlorobenzene,1,2-	5100	50000	170000	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50
Dichlorobenzene,1,3-	4300	50000	26000	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50
Dichlorobenzene,1,4-	1400	3400	26000	< 0.5 U	<2.0	<2	<2.0	<2	1 U	1 U	ND	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U	1 U	ND	< 0.50
Dichlorodifluoromethane	93	1200	NE	< 0.5 U	**2.9**	**2.6**	**2.4**	**2**	**3**	0.36 U	NA	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U	1 U	NA	< 0.50
Dichloroethane,1,1-	3000	41000	NE	< 0.5 U	<1.0	<1	<1.0	**1.7**	1 U	**1.1 J**	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50
Dichloroethane,1,2-	6.5	68	2970	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**1**	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50
Dichloroethene, cis-1,2-	830	11000	NE	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	**2.8**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	0.2 U	ND	< 0.50
Dichloroethene, trans-1,2-	NE	13000	NE	< 0.5 U	<1.0	<1	<1.0	<1	NA	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	NA	NA	NA	< 0.50
Dichloroethene,1,1-	190	920	96	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**1 J**	NA	< 0.50
Dioxane, p-	NE	NE	NE	NA	<20.0	<20	<20.0	<20	NA	NA	NA	NA	NA	<20.0	<20	<20.0	<20	NA	NA	NA	NA
Hexachlorobutadiene	NE	NE	NE	NA	<0.5	<1	<1.0	<1	1 U	1 U	NA	< 0.50	NA	<0.5	<1	<1.0	<1	**1**	1 U	NA	< 0.50
Isopropyl benzene	2800	6800	NE	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	**0.56**
Isopropyltoluene,4-	1600	22000	NE	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	NA	**0.91**
Methyl tert-butyl ether (MTBE)	21000	50000	NE	< 0.5 U	<10.0	<10	<10.0	<10	1 U	1 U	ND	< 0.50	< 0.5 U	<10.0	<10	<10.0	<10	1 U	1 U	ND	< 0.50
Methyl-2-pentanone,4-	13000	50000	NE	< 2.0 U	<5.0	<10	<5.0	<10	2 U	2 U	NA	< 5.0	< 2.0 U	<5.0	<10	<5.0	<10	2 U	2 U	NA	< 5.0
Methylene chloride	160	2200	48000	< 0.5 U	<1.0	<1	<1.0	<1	5 U	5 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	5 U	5 U	ND	< 0.50
Naphthalene	NE	NE	NE	NA	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50
Propylbenzene, n-	NE	NE	NE	NA	<1.0	<1	<1.0	<1	1 U	**1 J**	NA	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	**1 J**	NA	< 0.50
Styrene	3100	42000	NE	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**1 J**	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**1 J**	NA	< 0.50
Tetrachloroethene	340	810	88	**2.3**	**2.5**	**1.9**	**3.0**	**3.6**	**2.8**	1.7 U	ND	**3.0**	**4.9**	**3.9**	**2.9**	**3.5**	**7.2**	**2.2**	7.2 U	ND	< 0.50
Tetrahydrofuran	370	NE	NE	NA	<10.0	<10	<10.0	<10	3 U	**3**	NA	NA	NA	<10.0	<10	<10.0	<10	3 U	**3**	NA	NA
Toluene	7100	41000	4000000	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50
Trans-1,2-dichloroethene	1000	13000	NE	NA	NA	NA	NA	NA	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	NA	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	NA	<1.0	<1	<1.0	<1	2 U	2 U	NA	NA	NA	<1.0	<1	<1.0	<1	2 U	2 U	NA	NA
Trichlorobenzene, 1,2,3-	NE	NE	NE	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 1.0	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50
Trichlorobenzene, 1,2,4-	NE	NE	NE	NA	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50
Trichloroethane, 1,1,1-	6500	16000	62000	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50
Trichloroethane, 1,1,2-	220	2900	1260	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	NA	< 0.50
Trichloroethene	27	67	2340	< 0.5 U	<1.0	<1	<1.0	<1	**0.13 J**	0.11 U	**1.8**	**0.81**	**0.9 L**	<1.0	<1	<1.0	**1.7**	**0.58 J**	2.6 U	ND	< 0.50
Trichlorofluoromethane	1300	4200	NE	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**1 J**	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**1**	ND	< 0.50
Trichloropropane, 1,2,3-	NE	NE	NE	< 0.5 U	<1.0	<1	<1.0	<1	2 U	2 U	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	2 U	2 U	NA	< 0.50
Trihalomethanes, Total (Calc)	NE	NE	NE	NA	<1.0	<1	<1.0	<1	NA	NA	NA	NA	NA	<1.0	<1	<1.0	<1	NA	NA	NA	NA
Trimethylbenzene, 1,2,4-	360	4800	NE	NA	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50
Vinyl chloride	1.6	52	15750	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**1 J**	ND	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**1**	ND	< 0.50
Xylene, m,p-	NE	NE	NE	NA	<2.0	<2	<2.0	<2	1 U	0.12 U	ND	< 0.50	NA	<2.0	<2	<2.0	<2	1 U	1 U	ND	< 0.50
Xylene, o-	NE	NE	NE	NA	<1.0	<1	<1.0	<1	1 U	**1 J**	ND	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	ND	< 0.50
Xylenes, Total	8700	48000	NE	< 1.0 U	<1.0	<1	<1.0	<1	NA	**1 J**	NA	NA	< 1.0 U	<1.0	<1	<1.0	<1	NA	NA	NA	NA

GEI Consultants

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MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location: Historical Location I.D.: Sample Date:	RES GVC	I/C GVC	SWPC	MW-111 8/12/2004	MW-111 7/27/2006	MW-111 10/30/2006	MW-111 2/15/2007	MW-111 5/23/2007	MW-111 12/26/2007	MW-111 4/16/2008	MW-112 (GZ-3) 3/1995	MW-112 (GZ-3) 2/08/2001	MW-112 8/13/2004	MW-112 7/28/2006	MW-112 10/31/2006	MW-112 2/13/2007	MW-112 5/23/2007	MW-112 12/26/2007	MW-112 4/17/2008	MW-113 3/1995	MW-113 (GZ-5) 2/08/2001
SVOCs (ug/l)																					
Acenaphthene	NE	NE	NE	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA	**10 J**	NA	NA
Benz[a]anthracene	NE	NE	0.3	NA	NA	NA	NA	NA	NA	**0.1**	NA	NA	NA	NA	NA	NA	NA	NA	**0.1 J**	NA	NA
Bis(2-chloroethoxy)methane	NE	NE	NE	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA
Carbazole	NE	NE	NE	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA
Chrysene	NE	NE	NE	NA	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	NA	NA	**0.1**	NA	NA
Dibenz[a,h]anthracene	NE	NE	NE	NA	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA
Dichlorophenol,2,4-	NE	NE	15800	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA
Isophorone	NE	NE	NE	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA
Nitroaniline,2-	NE	NE	NE	NA	NA	NA	NA	NA	NA	**50 J**	NA	NA	NA	NA	NA	NA	NA	NA	**50**	NA	NA
Trichlorophenol, 2,4,5-	NE	NE	NE	NA	NA	NA	NA	NA	NA	50 U	NA	NA	NA	NA	NA	NA	NA	NA	50 U	NA	NA
Total Metals (ug/l)																					
Aluminum	NE	NE	NE	NA	NA	NA	NA	NA	**4300**	2000 U	NA	NA	NA	NA	NA	NA	NA	**6000**	1600 U	NA	NA
Antimony	NE	NE	86000	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA
Arsenic	NE	NE	4	< 4 U	<4.0	<4	<4.0	<4	13 U	10 U	< 5	< 5	< 4 U	<4.0	< 4	< 4	< 4	**3 J**	10 U	< 5	< 5
Barium	NE	NE	NE	**42 L**	**62.3**	**21.6**	**40.8**	**77**	**82**	120 U	ND	**270**	**27 L**	**23.8**	**15.1**	**14.8**	**19.4**	**82**	59 U	**89**	**440**
Beryllium	NE	NE	4	NA	NA	NA	NA	NA	2.5 U	1.5 U	NA	NA	NA	NA	NA	NA	NA	**0.35 J**	1.5 U	NA	NA
Cadmium	NE	NE	6	< 2 U	<2.5	<2.5	<2.5	<2.5	**1.2 J**	0.91 U	**45**	< 5	< 2 U	<2.5	<2.5	<2.5	<2.5	**2.4 J**	0.59 U	< 4	< 5
Calcium	NE	NE	NE	NA	NA	NA	NA	NA	**24300**	**37000 J**	NA	NA	NA	NA	NA	NA	NA	**13500**	**28100 J**	NA	NA
Chromium	NE	NE	NE	< 5 U	< 5.0	< 5	< 5.0	< 5	**13**	4.2 U	**29**	< 20	**27 L**	**9.4**	**10**	< 5	**8**	**35**	17 U	< 5	< 20
Cobalt	NE	NE	NE	NA	NA	NA	NA	NA	**5.6**	3.9 U	NA	NA	NA	NA	NA	NA	NA	**7.1**	1.3 U	NA	NA
Copper	NE	NE	48	< 5 U	< 5.0	< 5	< 5.0	**8.6**	**64**	**16 J**	**26**	< 10	< 5 U	< 5.0	< 5	< 5	< 5	**110**	**31 J**	< 22	< 10
Fluoride	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	< 40	< 200	NA	NA	NA	NA	NA	NA	NA	< 40	< 200
Iron	NE	NE	NE	NA	NA	NA	NA	NA	**8800**	3500 U	NA	NA	NA	NA	NA	NA	NA	**13400**	3200 U	NA	NA
Lead	NE	NE	13	< 5.0 U	< 7.5	<7.5	<7.5	<7.5	**26**	4.9 U	< 3	< 5	< 5.0 U	< 7.5	<7.5	< 15	< 7.5	**65**	14 U	< 3	< 5
Magnesium	NE	NE	NE	NA	NA	NA	NA	NA	**9500**	**11200 J**	NA	NA	NA	NA	NA	NA	NA	**5400**	**7600**	NA	NA
Manganese	NE	NE	NE	NA	NA	NA	NA	NA	**2000**	**1800**	NA	NA	NA	NA	NA	NA	NA	**2700**	**260**	NA	NA
Mercury	NE	NE	NE	< 2 U	<0.20	<0.2	<0.25	<0.2	NA	NA	< 0.2	< 0.2	< 2 U	<0.20	<0.2	< 0.2	<0.2	NA	NA	< 0.2	< 0.2
Nickel	NE	NE	880	< 10 U	**10.3**	< 5	**17.4**	**11**	**18**	9.3 U	**13**	< 20	< 10 U	**14.2**	< 5	< 5	**5.6**	**61**	31 U	< 54	< 20
Potassium	NE	NE	NE	NA	NA	NA	NA	NA	**9300**	12400 U	NA	NA	NA	NA	NA	NA	NA	**3800**	4300 U	NA	NA
Selenium	NE	NE	50	< 5 U	<15.0	<15	<15.0	<12.5	15 U	15 UJ	< 5	< 5	< 5 U	<15.0	<15	<15	<15	15 U	15 UJ	**6**	< 5
Silver	NE	NE	12	< 5 U	< 5.0	< 5	<5.0	< 5	2.5 U	2.5 U	< 7	< 10	< 5 U	< 5.0	< 5	< 5	< 5	**1.2 J**	2.5 U	< 7	< 10
Sodium	NE	NE	NE	NA	NA	NA	NA	NA	**30100**	33200 U	NA	NA	NA	NA	NA	NA	NA	**8400**	14400 U	NA	NA
Vanadium	NE	NE	NE	NA	NA	NA	NA	NA	**14**	5.4 U	NA	NA	NA	NA	NA	NA	NA	**17**	4.4 U	NA	NA
Zinc	NE	NE	123	**65**	**69.8**	< 38	< 35.0	< 42.5	**97**	27 U	< 20	**160**	**12**	< 50.8	< 38	< 30	**56.4**	**140**	51 U	< 20	**160**
Filtered Metals (ug/l)																					
Barium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NE	NE	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NE	NE	48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NE	NE	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NE	NE	880	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NE	NE	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NE	NE	123	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Cyanide (ug/l)																					
Cyanide, Total	NE	NE	52	< 5 U	NA	NA	NA	NA	**4.6 J**	**3.3**	> 10	NA	< 5 U	NA	NA	NA	NA	**8.2 J**	**10**	> 10	NA
Cyanide, water	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	> 10	NA	NA	NA	NA	NA	NA	NA	NA	> 10
Cyanide-Amenable, Water	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	> 10	NA	NA	NA	NA	NA	NA	NA	NA	> 10

MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location: / Historical Location I.D.: / Sample Date:	RES GVC	I/C GVC	SWPC	MW-113 8/13/2004	MW-113 7/28/2006	MW-113 10/31/2006	MW-113 2/16/2007	MW-113 5/23/2007	MW-113 4/16/2008	MW-114 8/13/2004	MW-114 7/27/2006	MW-114 10/30/2006	MW-114 2/15/2007	Duplicate of: MW-114 2/15/2007	MW-114 5/23/2007	MW-114 4/16/2008	MW-115 9/5/2002	MW-115 8/12/2004	MW-115 7/27/2006	MW-115 10/30/2006	MW-115 2/16/2007	MW-115 5/23/2007	MW-115 12/26/2007
VOCs (ug/l)																							
Acetone	50000	50000	NE	< 10 U	<20.0	<10	<10.0	<10	5 U	< 10 U	<20.0	<10	<10.0	<10.0	<10	5 U	BDL	< 10 U	<20.0	< 25	<10.0	<10	**7.6 J**
Acrylonitrile	NE	NE	20	< 0.5 U	<0.5	<1	<0.5	<1	NA	< 0.5 U	<0.5	<1	<0.5	<0.5	<1	NA	NA	< 0.5 U	<0.5	<2.5	<0.5	<1	NA
Benzene	130	310	710	< 0.5 U	<1.0	<1	<1.0	<1	0.5 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	0.5 U	BDL	< 0.5 U	<1.0	<2.5	<1.0	<1	2 U
Bromobenzene	NE	NE	NE	< 0.5 U	<1.0	<1	<1.0	<1	2 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	2 U	BDL	< 0.5 U	<1.0	<2.5	<1.0	<1	2 U
Bromomethane	NE	NE	NE	< 0.5 U	<2.0	<2	<2.0	<2	3 U	< 0.5 U	<2.0	<2	<2.0	<2.0	<2	3 U	BDL	< 0.5 U	<2.0	<2	<2.0	<2	12 U
Butanone, 2-	50000	50000	NE	< 2.0 U	<1.0	<1	<1.0	<1	2 U	< 2.0 U	<1.0	<1	<1.0	<1.0	<1	2 U	BDL	< 2.0 U	<1.0	<2.5	<1.0	<1	8 U
Butyl alcohol, tert-	NE	NE	NE	NA	<10.0	<10	<10.0	<10	NA	NA	<10.0	<10	<10.0	<10.0	<10	NA	NA	NA	<10.0	<25	<10.0	<10	NA
Butylbenzene, tert-	NE	NE	NE	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	NA	<1.0	<2.5	<1.0	<1	4 U
Butylbenzene,sec-	1500	20000	NE	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	NA	<1.0	<2.5	<1.0	<1	1 U
Carbon disulfide	NE	NE	NE	< 0.5 U	<5.0	<5	<5.0	<5	1 U	< 0.5 U	<5.0	<5	<5.0	<5.0	<5	1 U	NA	< 0.5 U	<5.0	<5	<5.0	<5	4 U
Carbon tetrachloride	5.3	14	132	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	< 0.5 U	<1.0	<2.5	<1.0	<1	**0.16 J**
Chlorobenzene	1800	23000	420000	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	**1 L**	<1.0	<2.5	<1.0	<1	**1.3**
Chloroethane	12000	29000	NE	< 0.5 U	<2.0	<2	<2.0	<2	3 U	< 0.5 U	<2.0	<2	<2.0	<2.0	<2	3 U	BDL	< 0.5 U	<2.0	<2	<2.0	<2	12 U
Chloroform	26	62	14100	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**0.5 L**	<1.0	<1	<1.0	<1.0	<1	0.18 U	BDL	**26**	**5.2**	**14.4**	**8.5**	**6.6**	**29**
Chloromethane	390	5500	NE	< 0.5 U	<2.0	<2	<2.0	<2	1 U	< 0.5 U	<2.0	<2	<2.0	<2.0	<2	**1 J**	BDL	< 0.5 U	<2.0	<2	<2.0	<2	4 U
Chlorotoluene,2-	NE	NE	NE	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	< 0.5 U	<1.0	<2.5	<1.0	<1	4 U
Dibromo-3-chloropropane,1,2-	NE	NE	NE	NA	<2.0	<2	<2.0	<2	1 U	NA	<2.0	<2	<2.0	<2.0	<2	1 U	BDL	NA	<2.0	<2	<2.0	<2	4 U
Dibromoethane,1,2-	0.3	11	NE	NA	<0.5	<1	<0.5	<1	1 U	NA	<0.5	<1	<0.5	<0.5	<1	1 U	BDL	NA	<0.5	<2.5	<0.5	<1	1 U
Dichlorobenzene,1,2-	5100	50000	170000	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	< 0.5 U	<1.0	**2.5**	<1.0	<1	**4.7**
Dichlorobenzene,1,3-	4300	50000	26000	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	< 0.5 U	<1.0	<2.5	<1.0	<1	1 U
Dichlorobenzene,1,4-	1400	3400	26000	< 0.5 U	<2.0	<2	<2.0	<2	1 U	< 0.5 U	<2.0	<2	<2.0	<2.0	<2	1 U	BDL	**0.5 L**	<2.0	<2	<2.0	<2	**1.3**
Dichlorodifluoromethane	93	1200	NE	< 0.5 U	<2.0	<2	<2.0	<2	1 U	**2.1**	**2.0**	<2	**2.0**	**2.1**	**2.1**	0.65 U	BDL	**2.6**	<2.0	<2	**2.0**	**2.1**	4 U
Dichloroethane,1,1-	3000	41000	NE	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	**1**	**160 H**	**1.0**	<1.0	<2.5	<1.0	<1	**1.6 J**
Dichloroethane,1,2-	6.5	68	2970	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	**150 H**	**12**	**1.7**	**8.1**	**3.5**	**2.3**	**19**
Dichloroethene, cis-1,2-	830	11000	NE	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	**1.6**	<1.0	<2.5	<1.0	<1	**1.8**
Dichloroethene, trans-1,2-	NE	13000	NE	< 0.5 U	<1.0	<1	<1.0	<1	NA	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	NA	BDL	< 0.5 U	<1.0	<2.5	<1.0	<1	NA
Dichloroethene,1,1-	190	920	96	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	**60**	**10.9**	**41.1**	**16.8**	**12.6**	**72**
Dioxane, p-	NE	NE	NE	NA	<20.0	<20	<20.0	<20	NA	NA	<20.0	<20	<20.0	<20.0	<20	NA	NA	NA	<20.0	< 50	**34.6**	<20	NA
Hexachlorobutadiene	NE	NE	NE	NA	<0.5	<1	<1.0	<1	1 U	NA	<0.5	<1	<1.0	<1	<1	1 U	BDL	NA	<0.5	<1	<1.0	<1	4 U
Isopropyl benzene	2800	6800	NE	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	NA	<1.0	<2.5	<1.0	<1	4 U
Isopropyltoluene,4-	1600	22000	NE	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	NA	<1.0	<2.5	<1.0	<1	4 U
Methyl tert-butyl ether (MTBE)	21000	50000	NE	< 0.5 U	<10.0	<10	<10.0	<10	1 U	< 0.5 U	<10.0	<10	<10.0	<10.0	<10	1 U	BDL	< 0.5 U	<10.0	<25	<10.0	<10	1 U
Methyl-2-pentanone,4-	13000	50000	NE	< 2.0 U	<5.0	<10	<5.0	<10	2 U	< 2.0 U	<5.0	<10	<5.0	<5.0	<10	2 U	BDL	< 2.0 U	<5.0	<25	<5.0	<10	2 U
Methylene chloride	160	2200	48000	< 0.5 U	<1.0	<1	<1.0	<1	5 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	5 U	BDL	**6.2**	<1.0	<2.5	<1.0	<1	**25**
Naphthalene	NE	NE	NE	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	NA	<1.0	<2.5	<1.0	<1	4 U
Propylbenzene, n-	NE	NE	NE	NA	<1.0	<1	<1.0	<1	**1 J**	NA	<1.0	<1	<1.0	<1.0	<1	**1 J**	BDL	NA	<1.0	<2.5	<1.0	<1	1 U
Styrene	3100	42000	NE	< 0.5 U	<1.0	<1	<1.0	<1	**1 J**	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	**1 J**	BDL	< 0.5 U	<1.0	<2.5	<1.0	<1	1 U
Tetrachloroethene	340	810	88	< 0.5 U	<1.0	<1	<1.0	<1	0.17 U	**4.1**	**2.8**	**1**	**5.4**	**5.5**	**5.1**	2.5 U	**350 H**	**280**	**51.5**	**154**	**89.6**	**71.5**	**370 E**
Tetrahydrofuran	370	NE	NE	NA	<10.0	<10	<10.0	<10	**3 J**	NA	<10.0	<10	<10.0	<10.0	<10	**3**	NA	NA	<10.0	<25	<10.0	<10	3 U
Toluene	7100	41000	4000000	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	0.11 U	BDL	< 0.5 U	<1.0	<2.5	<1.0	<1	**0.18 J**
Trans-1,2-dichloroethene	1000	13000	NE	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA	NA	NA	**2 J**	NA	NA	NA	NA	NA	NA	2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	NA	<1.0	<1	<1.0	<1	2 U	NA	<1.0	<1	<1.0	<1.0	<1	2 U	NA	NA	**2.5**	**10.2**	**6.1**	<1	**16**
Trichlorobenzene, 1,2,3-	NE	NE	NE	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	NA	<1.0	<2.5	<1.0	<1	4 U
Trichlorobenzene, 1,2,4-	NE	NE	NE	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	NA	<1.0	<2.5	<1.0	<1	1 U
Trichloroethane, 1,1,1-	6500	16000	62000	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	**25**	**4.1**	**34.4**	**6.3**	**5.6**	**17**
Trichloroethane, 1,1,2-	220	2900	1260	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	< 0.5 U	<1.0	<2.5	<1.0	<1	4 U
Trichloroethene	27	67	2340	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	**150 H**	**20**	**4.1**	**16.6**	**6.9**	**5.7**	**27**
Trichlorofluoromethane	1300	4200	NE	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	0.13 U	BDL	< 0.5 U	<1.0	<2.5	<1.0	<1	4 U
Trichloropropane, 1,2,3-	NE	NE	NE	< 0.5 U	<1.0	<1	<1.0	<1	2 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	2 U	BDL	< 0.5 U	<1.0	<2.5	<1.0	<1	8 U
Trihalomethanes, Total (Calc)	NE	NE	NE	NA	<1.0	<1	<1.0	<1	NA	NA	<1.0	<1	<1.0	<1.0	<1	NA	NA	NA	**5.2**	**14.4**	**8.5**	**6.6**	NA
Trimethylbenzene, 1,2,4-	360	4800	NE	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	NA	<1.0	<2.5	<1.0	<1	4 U
Vinyl chloride	1.6	52	15750	< 0.5 U	<1.0	<1	<1.0	<1	**1**	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	BDL	< 0.5 U	<1.0	<2.5	<1.0	<1	4 U
Xylene, m,p-	NE	NE	NE	NA	<2.0	<2	<2.0	<2	1 U	NA	<2.0	<2	<2.0	<2.0	<2	0.18 U	BDL	NA	<2.0	<2	<2.0	<2	**0.18 J**
Xylene, o-	NE	NE	NE	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	**1 J**	BDL	NA	<1.0	<2.5	<1.0	<1	**0.92 J**
Xylenes, Total	8700	48000	NE	< 1.0 U	<1.0	<1	<1.0	<1	NA	< 1.0 U	<1.0	<1	<1.0	<1.0	<1	**1 J**	NA	**1.2 J**	<1.0	<2.5	<1.0	<1	**1.1 J**

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Table 2
Historical Detections

Sample Location: / Historical Location I.D.: / Sample Date:	RES GVC	I/C GVC	SWPC	MW-113 8/13/2004	MW-113 7/28/2006	MW-113 10/31/2006	MW-113 2/16/2007	MW-113 5/23/2007	MW-113 4/16/2008	MW-114 8/13/2004	MW-114 7/27/2006	MW-114 10/30/2006	MW-114 2/15/2007	Duplicate of: MW-114 2/15/2007	MW-114 5/23/2007	MW-114 4/16/2008	MW-115 9/5/2002	MW-115 8/12/2004	MW-115 7/27/2006	MW-115 10/30/2006	MW-115 2/16/2007	MW-115 5/23/2007	MW-115 12/26/2007
SVOCs (ug/l)																							
Acenaphthene	NE	NE	NE	NA	NA	NA	NA	NA	**10 J**	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA
Benz[a]anthracene	NE	NE	0.3	NA	NA	NA	NA	NA	**0.1**	NA	NA	NA	NA	NA	NA	**0.1**	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NE	NE	NE	NA	NA	NA	NA	NA	**10 J**	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Carbazole	NE	NE	NE	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA
Chrysene	NE	NE	NE	NA	NA	NA	NA	NA	**0.1**	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA
Dibenz[a,h]anthracene	NE	NE	NE	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	NA
Dichlorophenol,2,4-	NE	NE	15800	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Isophorone	NE	NE	NE	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA
Nitroaniline,2-	NE	NE	NE	NA	NA	NA	NA	NA	**50**	NA	NA	NA	NA	NA	NA	**50 J**	NA	NA	NA	NA	NA	NA	NA
Trichlorophenol, 2,4,5-	NE	NE	NE	NA	NA	NA	NA	NA	50 U	NA	NA	NA	NA	NA	NA	**50 J**	NA	NA	NA	NA	NA	NA	NA
Total Metals (ug/l)																							
Aluminum	NE	NE	NE	NA	NA	NA	NA	NA	18500 U	NA	NA	NA	NA	NA	NA	60 U	NA	NA	NA	NA	NA	NA	**2800**
Antimony	NE	NE	86000	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	25 U
Arsenic	NE	NE	4	< 4 U	<4.0	< 4	< 4	< 4	10 U	< 4 U	<4.0	< 4	< 4	< 4	**4.4**	10 U	**29**	< 4 U	<4.0	< 4	< 4	< 4	**3.3 J**
Barium	NE	NE	NE	**32 L**	**19.0**	**22.2**	**31.8**	**30.2**	190 U	**146**	**75.4**	**24**	**158**	**149**	**210**	130 U	BDL	**60**	**68.2**	**75.1**	**105**	**88**	**98**
Beryllium	NE	NE	4	NA	NA	NA	NA	NA	0.72 U	NA	NA	NA	NA	NA	NA	1.5 U	NA	NA	NA	NA	NA	NA	2.5 U
Cadmium	NE	NE	6	< 2 U	<2.5	<2.5	<2.5	<2.5	1.1 U	< 2 U	<2.5	<2.5	<2.5	<2.5	<2.5	0.74 U	BDL	< 2 U	**4.2**	<2.5	**5.4**	**4**	**2.5 J**
Calcium	NE	NE	NE	NA	NA	NA	NA	NA	**21700 J**	NA	NA	NA	NA	NA	NA	**33500 J**	NA	NA	NA	NA	NA	NA	**26600**
Chromium	NE	NE	NE	< 5 U	< 5.0	< 5	**6.8**	< 5	30 U	< 5 U	< 5.0	< 5	< 5.0	< 5.0	**7**	5 U	BDL	**526**	**622**	**298**	**774**	**610**	**280**
Cobalt	NE	NE	NE	NA	NA	NA	NA	NA	23 U	NA	NA	NA	NA	NA	NA	6.2 U	NA	NA	NA	NA	NA	NA	**5.4**
Copper	NE	NE	48	< 5 U	**5.9**	< 5	< 5.0	< 5	**42 J**	< 5 U	< 5.0	< 5	< 5.0	< 5.0	**8.8**	**3.3 J**	**170**	**7 L**	< 5.0	< 5	< 5.0	< 5	**20**
Fluoride	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Iron	NE	NE	NE	NA	NA	NA	NA	NA	34300 U	NA	NA	NA	NA	NA	NA	170 U	NA	NA	NA	NA	NA	NA	**4700**
Lead	NE	NE	13	< 5.0 U	< 7.5	<7.5	**1.02**	< 7.5	11 U	< 5.0 U	< 7.5	<7.5	< 7.5	< 7.5	< 7.5	5 U	**39**	< 5.0 U	< 7.5	<7.5	< 7.5	< 7.5	**4.2 J**
Magnesium	NE	NE	NE	NA	NA	NA	NA	NA	**10300**	NA	NA	NA	NA	NA	NA	10900 U	NA	NA	NA	NA	NA	NA	**4800**
Manganese	NE	NE	NE	NA	NA	NA	NA	NA	**860**	NA	NA	NA	NA	NA	NA	**1100**	NA	NA	NA	NA	NA	NA	**380**
Mercury	NE	NE	NE	< 2 U	<0.20	<0.2	< 0.20	< 0.2	NA	< 2 U	<0.20	<0.2	< 0.20	< 0.20	< 0.2	NA	BDL	< 2 U	<0.20	<0.2	< 0.20	< 0.2	NA
Nickel	NE	NE	880	< 10 U	< 5.0	< 5	< 5.0	< 5	27 U	< 10 U	**5.8**	< 5	**5.4**	**5.6**	**8.7**	4.2 U	BDL	**382**	**660**	**802**	**1250**	**774**	**580**
Potassium	NE	NE	NE	NA	NA	NA	NA	NA	12200 U	NA	NA	NA	NA	NA	NA	13000 U	NA	NA	NA	NA	NA	NA	**14800**
Selenium	NE	NE	50	< 5 U	<15.0	<15	<15.0	< 15	15 UJ	< 5 U	<15.0	<15	<15.0	<15.0	< 15	15 UJ	< 5	< 5 U	<15.0	<15	<15.0	< 15	15 U
Silver	NE	NE	12	< 5 U	< 5.0	< 5	< 5.0	< 12.5	2.5 U	< 5 U	< 5.0	< 5	< 5.0	< 5.0	< 12.5	2.5 U	BDL	< 5 U	< 5.0	< 5	< 5.0	< 12.5	2.5 U
Sodium	NE	NE	NE	NA	NA	NA	NA	NA	71000 U	NA	NA	NA	NA	NA	NA	113000 U	NA	NA	NA	NA	NA	NA	**108000**
Vanadium	NE	NE	NE	NA	NA	NA	NA	NA	44 U	NA	NA	NA	NA	NA	NA	2.5 U	NA	NA	NA	NA	NA	NA	**5.9**
Zinc	NE	NE	123	**14 L**	< 50.8	< 38	< 55.5	< 42.5	85 U	**14 L**	**91.6**	< 38	< 35.0	< 35.0	< 42.5	25 U	**148**	< 10 U	**72.6**	< 38	< 55.5	< 42.5	**17 J**
Filtered Metals (ug/l)																							
Barium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**184**	NA	NA	NA	NA	NA	**112**	NA	NA
Cadmium	NE	NE	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.5	NA	NA	NA	NA	NA	**5.8**	NA	NA
Chromium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA	NA	NA	NA	NA	**792**	NA	NA
Copper	NE	NE	48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA	NA	NA	NA	NA	<5	NA	NA
Lead	NE	NE	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.5	NA	NA	NA	NA	NA	<7.5	NA	NA
Mercury	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.2	NA	NA	NA	NA	NA	<0.2	NA	NA
Nickel	NE	NE	880	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA	NA	NA	NA	NA	**1.21**	NA	NA
Silver	NE	NE	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA	NA	NA	NA	NA	<5	NA	NA
Zinc	NE	NE	123	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5**	NA	**160**	NA	NA	NA	**17.8**	NA	NA
Total Cyanide (ug/l)																							
Cyanide, Total	NE	NE	52	< 5 U	NA	NA	NA	NA	**10**	< 5 U	NA	NA	NA	NA	NA	**2.2 J**	< 10	< 5 U	NA	NA	NA	NA	**3.5 J**
Cyanide, water	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide-Amenable, Water	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA

GEI Consultants

MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location:				MW-115	MW-116D	MW-116D	MW-116D	MW-116D	MW-116D	MW-116D	MW-116S	MW-116S	Duplicate of: MW-116S	MW-116S	MW-116S	MW-116S	Duplicate of: MW-116S	MW-116S	MW-117D	MW-117D	MW-117D	MW-117D	MW-117D	MW-117D
Historical Location I.D.:																								
Sample Date:	RES GVC	I/C GVC	SWPC	4/16/2008	8/12/2004	7/28/2006	10/31/2006	2/13/2007	5/24/2007	4/17/2008	8/12/2004	7/28/2006	7/28/2006	10/31/2006	2/13/2007	5/24/2007	5/24/2007	4/17/2008	8/16/2004	7/28/2006	10/31/2006	2/13/2007	5/24/2007	4/17/2008
VOCs (ug/l)																								
Acetone	50000	50000	NE	5 U	< 10 U	< 20.0	< 10	< 10.0	< 10	5 U	< 10 U	< 20.0	< 20.0	**30.6**	< 10.0	< 10	< 10	5 U	< 10 U	< 20.0	< 10	< 10.0	< 10	5 U
Acrylonitrile	NE	NE	20	NA	< 0.5 U	< 0.5	< 1	< 0.5	< 0.5	NA	< 0.5 U	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	NA	< 0.5 U	< 0.5	< 1	< 0.5	< 0.5	NA
Benzene	130	310	710	0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	0.5 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	0.5 U
Bromobenzene	NE	NE	NE	2 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	2 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U
Bromomethane	NE	NE	NE	3 U	< 0.5 U	< 2.0	< 2	< 2.0	< 2	3 U	**1.7**	< 2.0	< 2.0	< 2	< 2.0	< 2	< 2	3 U	< 0.5 U	< 2.0	< 2	< 2.0	< 2	3 U
Butanone, 2-	50000	50000	NE	2 U	< 2.0 U	< 1.00	< 10	< 1.00	< 10	2 U	< 2.0 U	< 1.00	< 1.00	< 10	< 1.00	< 10	< 10	2 U	< 2.0 U	< 1.00	< 10	< 1.00	< 10	2 U
Butyl alcohol, tert-	NE	NE	NE	NA	NA	< 1.00	< 10	< 1.00	< 10	NA	NA	< 1.00	< 1.00	< 10	< 1.00	< 10	< 10	NA	NA	< 1.00	< 10	< 1.00	< 10	NA
Butylbenzene, tert-	NE	NE	NE	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U
Butylbenzene,sec-	1500	20000	NE	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U
Carbon disulfide	NE	NE	NE	1 U	< 0.5 U	< 5.0	< 5	< 5.0	< 5	1 U	< 0.5 U	< 5.0	< 5.0	< 5	< 5.0	< 5	< 5	1 U	< 0.5 U	< 5.0	< 5	< 5.0	< 5	1 U
Carbon tetrachloride	5.3	14	132	1 U	< 0.5 U	NA	NA	NA	NA	1 U	< 0.5 U	NA	NA	NA	NA	NA	NA	1 U	< 0.5 U	NA	NA	NA	NA	1 U
Chlorobenzene	1800	23000	420000	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Chloroethane	12000	29000	NE	3 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	3 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	3 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	3 U
Chloroform	26	62	14100	6.8 U	< 0.5 U	**1.6**	**1.9**	**1.9**	**1.6**	1.3 U	< 0.5 U	<1.0	<1.0	<1	<1.0	<1	<1	1 U	**2.3**	<1.0	**1.2**	**1**	<1	0.49 U
Chloromethane	390	5500	NE	**1**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1**	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**
Chlorotoluene,2-	NE	NE	NE	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dibromo-3-chloropropane,1,2-	NE	NE	NE	1 U	NA	< 2	< 2	< 2	< 2	1 U	NA	< 2	< 2	< 2	< 2	< 2	< 2	1 U	NA	< 2	< 2	< 2	< 2	1 U
Dibromoethane,1,2-	0.3	11	NE	1 U	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U
Dichlorobenzene,1,2-	5100	50000	170000	0.47 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichlorobenzene,1,3-	4300	50000	26000	**1 J**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichlorobenzene,1,4-	1400	3400	26000	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichlorodifluoromethane	93	1200	NE	0.6 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichloroethane,1,1-	3000	41000	NE	**0.44**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	0.13 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichloroethane,1,2-	6.5	68	2970	**2.4 J**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichloroethene, cis-1,2-	830	11000	NE	**0.35**	< 0.5 U	**6.9**	**7.7**	**7.3**	**5.1**	2.7 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichloroethene, trans-1,2-	NE	13000	NE	NA	< 0.5 U	< 1.0	< 1	< 1.0	< 1	NA	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	NA	< 0.5 U	< 1.0	< 1	< 1.0	< 1	NA
Dichloroethene,1,1-	190	920	96	**15 J**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1**	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dioxane, p-	NE	NE	NE	NA	NA	< 20.0	< 20	< 20.0	< 20	NA	NA	< 20.0	< 20.0	< 20	< 20.0	< 20	< 20	NA	NA	< 20.0	< 20	< 20.0	< 20	NA
Hexachlorobutadiene	NE	NE	NE	1 U	NA	< 0.5	< 1	< 1.0	< 1	1 U	NA	< 0.5	< 0.5	< 1	< 1.0	< 1	< 1	1 U	NA	< 0.5	< 1	< 1.0	< 1	1 U
Isopropyl benzene	2800	6800	NE	1 U	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U
Isopropyltoluene,4-	1600	22000	NE	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U
Methyl tert-butyl ether (MTBE)	21000	50000	NE	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Methyl-2-pentanone,4-	13000	50000	NE	2 U	< 2.0 U	< 1.0	< 10	< 1.0	< 10	2 U	< 2.0 U	< 1.0	< 1.0	< 10	< 1.0	< 10	< 10	2 U	< 2.0 U	< 1.0	< 10	< 1.0	< 10	2 U
Methylene chloride	160	2200	48000	5 U	< 0.5 U	< 5.0	< 10	< 5.0	< 5	5 U	< 0.5 U	< 5.0	< 5.0	< 10	< 5.0	< 5	< 5	5 U	**0.8 L**	< 5.0	< 10	< 5.0	< 5	5 U
Naphthalene	NE	NE	NE	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U
Propylbenzene, n-	NE	NE	NE	**1 J**	NA	< 1.0	< 1	< 1.0	< 1	**1 J**	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	**1 J**	NA	< 1.0	< 1	< 1.0	< 1	**1 J**
Styrene	3100	42000	NE	**1 J**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	**1 J**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**
Tetrachloroethene	340	810	88	80 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	0.1 U	**1.6**	**2.0**	**1.8**	**1.7**	**2.5**	**2.3**	**2.4**	2.3 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Tetrahydrofuran	370	NE	NE	**3 J**	NA	< 1.0	< 10	< 1.0	< 10	**3 J**	NA	< 1.0	< 1.0	< 10	< 1.0	< 10	< 10	**3**	NA	< 1.0	< 10	< 1.0	< 10	3 U
Toluene	7100	41000	4000000	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Trans-1,2-dichloroethene	1000	13000	NE	2 U	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA	NA	2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	3.6 U	NA	< 1.0	< 1	< 1.0	< 1	2 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	2 U	NA	< 1.0	< 1	< 1.0	< 1	2 U
Trichlorobenzene, 1,2,3-	NE	NE	NE	**1**	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U
Trichlorobenzene, 1,2,4-	NE	NE	NE	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U
Trichloroethane, 1,1,1-	6500	16000	62000	5.6 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Trichloroethane, 1,1,2-	220	2900	1260	**1**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Trichloroethene	27	67	2340	5.9 U	< 0.5 U	**1.2**	**1.2**	**1.2**	< 1	0.47 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	0.34 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Trichlorofluoromethane	1300	4200	NE	**0.13**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	**1 J**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Trichloropropane, 1,2,3-	NE	NE	NE	2 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	2 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U
Trihalomethanes, Total (Calc)	NE	NE	NE	NA	NA	**1.6**	**1.9**	**1.9**	**1.6**	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	NA	NA	< 1.0	**1.2**	**1.0**	< 1	NA
Trimethylbenzene, 1,2,4-	360	4800	NE	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U
Vinyl chloride	1.6	52	15750	1 U	< 0.5 U	**7.2**	**8.3**	**7.3**	**4.8**	**2.1 J**	< 0.5 U	<1.0	<1.0	<2.5	<1.0	<1	<1	**1 J**	**0.6 L**	<1.0	<2.5	<1.0	<1	**1 J**
Xylene, m,p-	NE	NE	NE	1 U	NA	< 2.0	< 2	< 2.0	< 2	**1**	NA	< 2.0	< 2.0	< 2	< 2.0	< 2	< 2	1 U	NA	< 2.0	< 2	< 2.0	< 2	1 U
Xylene, o-	NE	NE	NE	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U
Xylenes, Total	8700	48000	NE	NA	< 1.0 U	< 1.0	< 1	< 1.0	< 1	**1**	< 1.0 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	NA	< 1.0 U	< 1.0	< 1	< 1.0	< 1	NA

GEI Consultants

MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location: Historical Location I.D.: Sample Date:	RES GVC	I/C GVC	SWPC	MW-115 4/16/2008	MW-116D 8/12/2004	MW-116D 7/28/2006	MW-116D 10/31/2006	MW-116D 2/13/2007	MW-116D 5/24/2007	MW-116D 4/17/2008	MW-116S 8/12/2004	MW-116S 7/28/2006	Duplicate of: MW-116S 7/28/2006	MW-116S 10/31/2006	MW-116S 2/13/2007	MW-116S 5/24/2007	Duplicate of: MW-116S 5/24/2007	MW-116S 4/17/2008	MW-117D 8/16/2004	MW-117D 7/28/2006	MW-117D 10/31/2006	MW-117D 2/13/2007	MW-117D 5/24/2007	MW-117D 4/17/2008
SVOCs (ug/l)																								
Acenaphthene	NE	NE	NE	10 U	NA	NA	NA	NA	NA	**10 J**	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Benz[a]anthracene	NE	NE	0.3	**0.1 J**	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	**0.1**
Bis(2-chloroethoxy)methane	NE	NE	NE	10 U	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Carbazole	NE	NE	NE	**10**	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	**10**
Chrysene	NE	NE	NE	**0.1**	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	**0.1**	NA	NA	NA	NA	NA	0.1 U
Dibenz[a,h]anthracene	NE	NE	NE	**0.1 J**	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	**0.1 J**
Dichlorophenol,2,4-	NE	NE	15800	**10**	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Isophorone	NE	NE	NE	10 U	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	**10**
Nitroaniline,2-	NE	NE	NE	**50**	NA	NA	NA	NA	NA	**50 J**	NA	NA	NA	NA	NA	NA	NA	**50 J**	NA	NA	NA	NA	NA	**50 J**
Trichlorophenol, 2,4,5-	NE	NE	NE	**50 J**	NA	NA	NA	NA	NA	50 U	NA	NA	NA	NA	NA	NA	NA	50 U	NA	NA	NA	NA	NA	50 U
Total Metals (ug/l)																								
Aluminum	NE	NE	NE	110 U	NA	NA	NA	NA	NA	330 U	NA	NA	NA	NA	NA	NA	NA	570 U	NA	NA	NA	NA	NA	240 U
Antimony	NE	NE	86000	10 U	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Arsenic	NE	NE	4	10 U	< 4 U	< 4.0	< 4	< 4.0	< 4	10 U	< 4 U	< 4.0	< 4.0	< 4	< 4.0	< 4	< 4	10 U	< 4 U	< 4.0	< 4	< 4	< 4	10 U
Barium	NE	NE	NE	70 U	< 10 U	**60.7**	**78.9**	**61.6**	**60.4**	60 U	**31 L**	**31**	**28.2**	**33.1**	**30.5**	**33.8**	**33.6**	49 U	**85**	**122**	**123**	**122**	**108**	130 U
Beryllium	NE	NE	4	1.5 U	NA	NA	NA	NA	NA	1.5 U	NA	NA	NA	NA	NA	NA	NA	1.5 U	NA	NA	NA	NA	NA	1.5 U
Cadmium	NE	NE	6	3.9 U	< 2 U	< 2.5	< 2.5	< 2.5	< 2.5	2.5 U	< 2 U	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	2.5 U	**2 L**	< 2.5	< 2.5	< 2.5	< 2.5	2.5 U
Calcium	NE	NE	NE	**23900**	NA	NA	NA	NA	NA	29700 U	NA	NA	NA	NA	NA	NA	NA	30500 U	NA	NA	NA	NA	NA	51700 U
Chromium	NE	NE	NE	600 U	< 5 U	< 5.0	< 5	< 5	< 5	5 U	< 5 U	**5.2**	**5.2**	**5.2**	< 5.0	**6**	**6**	5.8 U	< 5 U	< 5.0	**5.2**	< 5	< 5	5 U
Cobalt	NE	NE	NE	2 U	NA	NA	NA	NA	NA	1.3 U	NA	NA	NA	NA	NA	NA	NA	5 U	NA	NA	NA	NA	NA	5 U
Copper	NE	NE	48	**3.3 J**	< 5 U	< 5.0	< 5	< 5	< 5	**5.5 J**	< 5 U	< 5.0	< 5.0	< 5	< 5.0	**5.1**	**5**	2.9 U	< 5 U	< 5.0	< 5	< 5	**5.4**	4 U
Fluoride	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NE	NE	NE	100 U	NA	NA	NA	NA	NA	650 U	NA	NA	NA	NA	NA	NA	NA	950 U	NA	NA	NA	NA	NA	430 U
Lead	NE	NE	13	5 U	< 5.0 U	< 7.50	< 7.5	< 15	< 7.5	5 U	< 5.0 U	< 7.50	< 7.50	< 7.5	< 7.5	< 7.5	< 7.5	5 U	< 5.0 U	< 7.50	< 7.5	< 15	< 7.5	5 U
Magnesium	NE	NE	NE	3300 U	NA	NA	NA	NA	NA	7000 U	NA	NA	NA	NA	NA	NA	NA	6900 U	NA	NA	NA	NA	NA	10100 U
Manganese	NE	NE	NE	**960**	NA	NA	NA	NA	NA	**2300**	NA	NA	NA	NA	NA	NA	NA	**20**	NA	NA	NA	NA	NA	**190**
Mercury	NE	NE	NE	NA	< 2 U	< 0.20	< 0.5	< 0.2	< 0.5	NA	< 2 U	< 0.20	< 0.20	< 0.5	< 0.20	< 0.5	< 0.5	NA	< 2 U	< 0.20	< 0.5	< 0.2	< 0.5	NA
Nickel	NE	NE	880	760 U	< 10 U	< 5.0	< 5	< 5	< 5	2.9 U	< 10 U	< 5.0	< 5.0	< 5	< 5.0	< 5	< 5	6.1 U	**22 L**	< 5.0	< 5	< 5	< 5	1.2 U
Potassium	NE	NE	NE	7800 U	NA	NA	NA	NA	NA	2300 U	NA	NA	NA	NA	NA	NA	NA	3200 U	NA	NA	NA	NA	NA	4000 U
Selenium	NE	NE	50	15 UJ	< 5 U	< 15.0	< 15	< 15	< 15	15 UJ	< 5 U	< 15.0	< 15.0	< 15	< 15.0	< 15	< 15	15 UJ	< 5 U	< 15.0	< 15	< 15	< 15	15 UJ
Silver	NE	NE	12	2.5 U	< 5 U	< 5.0	< 5	< 5	< 5	2.5 U	< 5 U	< 5.0	< 5.0	< 5	< 5.0	< 5	< 5	2.5 U	< 5 U	< 5.0	< 5	< 5	< 5	2.5 U
Sodium	NE	NE	NE	72800 U	NA	NA	NA	NA	NA	34700 U	NA	NA	NA	NA	NA	NA	NA	15800 U	NA	NA	NA	NA	NA	54900 U
Vanadium	NE	NE	NE	2.5 U	NA	NA	NA	NA	NA	0.73 U	NA	NA	NA	NA	NA	NA	NA	1.8 U	NA	NA	NA	NA	NA	0.59 U
Zinc	NE	NE	123	7.1 U	**26**	< 50.8	< 38	< 30	**6.8**	15 U	**12**	< 50.8	< 50.8	< 38	< 35.0	< 5	**31.6**	6.9 U	**11 L**	< 50.8	< 38	< 30	**7**	25 U
Filtered Metals (ug/l)																								
Barium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NE	NE	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NE	NE	48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NE	NE	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NE	NE	880	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NE	NE	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NE	NE	123	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Cyanide (ug/l)																								
Cyanide, Total	NE	NE	52	**3.9 J**	< 5 U	NA	NA	NA	NA	**2.9 J**	< 5 U	NA	NA	NA	NA	NA	NA	**10 J**	< 5 U	NA	NA	NA	NA	**1.4 J**
Cyanide, water	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide-Amenable, Water	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

GEI Consultants

MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location:				MW-117S	MW-117S	MW-117S	MW-117S	MW-117S	MW-117S	MW-118D	Duplicate of: MW-118D	MW-118D	MW-118D	MW-118D	MW-118D	MW-118D	MW-118S	Duplicate of: MW-118S	MW-118S	MW-118S	MW-118S	MW-118S	MW-118S
Historical Location I.D.:																							
Sample Date:	RES GVC	I/C GVC	SWPC	8/16/2004	7/28/2006	10/31/2006	2/13/2007	5/24/2007	4/16/2008	8/13/2004	8/13/2004	7/28/2006	10/31/2006	2/16/2007	5/24/2007	4/17/2008	8/16/2004	8/16/2004	7/28/2006	10/31/2006	2/16/2007	5/24/2007	4/17/2008
VOCs (ug/l)																							
Acetone	50000	50000	NE	< 10 U	< 20.0	< 10	< 10.0	< 10	5 U	< 10 U	< 10 U	< 20.0	< 10	< 10.0	< 10	5 U	< 10 U	< 10 U	< 20.0	< 10	< 10.0	< 10	5 U
Acrylonitrile	NE	NE	20	< 0.5 U	< 0.5	< 1	< 0.5	< 0.5	NA	< 0.5 U	< 0.5 U	< 0.5	< 1	< 0.5	< 0.5	NA	< 0.5 U	< 0.5 U	< 0.5	< 1	< 0.5	< 0.5	NA
Benzene	130	310	710	< 0.5 U	< 1.0	< 1	< 1.0	< 1	0.5 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	0.5 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	0.5 U
Bromobenzene	NE	NE	NE	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U
Bromomethane	NE	NE	NE	< 0.5 U	< 2.0	< 2	< 2.0	< 2	3 U	< 0.5 U	< 0.5 U	< 2.0	< 2	< 2.0	< 2	3 U	< 0.5 U	**1.9**	< 2.0	< 2	< 2.0	< 2	3 U
Butanone, 2-	50000	50000	NE	< 2.0 U	< 1.00	< 10	< 1.00	< 10	2 U	< 2.0 U	< 2.0 U	< 1.00	< 10	< 1.00	< 10	2 U	< 2.0 U	< 2.0 U	< 1.00	< 10	< 1.00	< 10	2 U
Butyl alcohol, tert-	NE	NE	NE	NA	< 1.00	< 10	< 1.00	< 10	NA	NA	NA	< 1.00	< 10	< 1.00	< 10	NA	NA	NA	< 1.00	< 10	< 1.00	< 10	NA
Butylbenzene, tert-	NE	NE	NE	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Butylbenzene,sec-	1500	20000	NE	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Carbon disulfide	NE	NE	NE	< 0.5 U	< 5.0	< 5	< 5.0	< 5	1 U	< 0.5 U	< 0.5 U	< 5.0	< 5	< 5.0	< 5	1 U	< 0.5 U	< 0.5 U	< 5.0	< 5	< 5.0	< 5	1 U
Carbon tetrachloride	5.3	14	132	< 0.5 U	NA	NA	NA	NA	1 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	1 U	**0.7 L**	**0.5 L**	NA	NA	NA	NA	1 U
Chlorobenzene	1800	23000	420000	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Chloroethane	12000	29000	NE	< 0.5 U	< 1.0	< 1	< 1.0	< 1	3 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	3 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	3 U
Chloroform	26	62	14100	**0.6 L**	<1.0	< 1	< 1.0	< 1	1 U	**2.0**	**2.0**	< 1.0	< 1	< 1.0	< 1	2.2 U	**0.8 L**	**0.8 L**	< 1.0	< 1	< 1.0	< 1	0.27 U
Chloromethane	390	5500	NE	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1**	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**
Chlorotoluene,2-	NE	NE	NE	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dibromo-3-chloropropane,1,2-	NE	NE	NE	NA	< 2	< 2	< 2	< 2	1 U	NA	NA	< 2	< 2	< 2	< 2	1 U	NA	NA	< 2	< 2	< 2	< 2	1 U
Dibromoethane,1,2-	0.3	11	NE	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U
Dichlorobenzene,1,2-	5100	50000	170000	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichlorobenzene,1,3-	4300	50000	26000	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichlorobenzene,1,4-	1400	3400	26000	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichlorodifluoromethane	93	1200	NE	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichloroethane,1,1-	3000	41000	NE	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichloroethane,1,2-	6.5	68	2970	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichloroethene, cis-1,2-	830	11000	NE	< 0.5 U	< 1.0	< 1	< 1.0	**2.8**	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	**2.8**	0.43 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	0.21 U
Dichloroethene, trans-1,2-	NE	13000	NE	< 0.5 U	< 1.0	< 1	< 1.0	< 1	NA	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	NA	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	NA
Dichloroethene,1,1-	190	920	96	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	**1.9**	**1.8**	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**
Dioxane, p-	NE	NE	NE	NA	< 20.0	< 20	< 20.0	< 20	NA	NA	NA	< 20.0	< 20	< 20.0	< 20	NA	NA	NA	< 20.0	< 20	< 20.0	< 20	NA
Hexachlorobutadiene	NE	NE	NE	NA	< 0.5	< 1	< 1.0	< 1	1 U	NA	NA	< 0.5	< 1	< 1.0	< 1	1 U	NA	NA	< 0.5	< 1	< 1.0	< 1	1 U
Isopropyl benzene	2800	6800	NE	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U
Isopropyltoluene,4-	1600	22000	NE	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Methyl tert-butyl ether (MTBE)	21000	50000	NE	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	**6.2**	**5.6**	< 1.0	< 1	< 1.0	< 1	1 U	**2.8**	**2.9**	< 1.0	< 1	< 1.0	< 1	1 U
Methyl-2-pentanone,4-	13000	50000	NE	< 2.0 U	< 1.0	< 10	< 1.0	< 10	2 U	< 2.0 U	< 2.0 U	< 1.0	< 10	< 1.0	< 10	2 U	< 2.0 U	< 2.0 U	< 1.0	< 10	< 1.0	< 10	2 U
Methylene chloride	160	2200	48000	< 0.5 U	< 5.0	< 10	< 5.0	< 5	5 U	**0.6 L**	< 0.5 U	< 5.0	< 10	< 5.0	< 5	5 U	**0.9 L**	**0.8 L**	< 5.0	< 10	< 5.0	< 5	5 U
Naphthalene	NE	NE	NE	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Propylbenzene, n-	NE	NE	NE	NA	< 1.0	< 1	< 1.0	< 1	**1 J**	NA	NA	< 1.0	< 1	< 1.0	< 1	**1 J**	NA	NA	< 1.0	< 1	< 1.0	< 1	**1 J**
Styrene	3100	42000	NE	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**
Tetrachloroethene	340	810	88	< 0.5 U	< 1.0	**2.3**	< 1.0	< 1	0.29 U	< 0.5 U	< 0.5 U	**6.8**	< 1	< 1.0	< 1	1 U	**14**	**15**	**6.8**	**7.2**	**10.4**	**8.5**	8.4 U
Tetrahydrofuran	370	NE	NE	NA	< 1.0	< 10	< 1.0	< 10	**3 J**	NA	NA	< 1.0	< 10	< 1.0	< 10	3 U	NA	NA	< 1.0	< 10	< 1.0	< 10	**3**
Toluene	7100	41000	4000000	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Trans-1,2-dichloroethene	1000	13000	NE	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA	NA	NA	2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	NA	< 1.0	< 1	< 1.0	< 1	2 U	NA	NA	< 1.0	< 1	< 1.0	< 1	2 U	NA	NA	< 1.0	< 1	< 1.0	< 1	2 U
Trichlorobenzene, 1,2,3-	NE	NE	NE	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Trichlorobenzene, 1,2,4-	NE	NE	NE	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Trichloroethane, 1,1,1-	6500	16000	62000	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Trichloroethane, 1,1,2-	220	2900	1260	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Trichloroethene	27	67	2340	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	**0.6 L**	**0.6 L**	**2.3**	< 1	< 1.0	< 1	0.21 U	**2.8**	**3.0**	**2.3**	**2**	**3.4**	**2.5**	2.8 U
Trichlorofluoromethane	1300	4200	NE	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1**
Trichloropropane, 1,2,3-	NE	NE	NE	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U
Trihalomethanes, Total (Calc)	NE	NE	NE	NA	< 1.0	< 1	< 1.0	< 1	NA	NA	NA	< 1.0	< 1	< 1.0	< 1	NA	NA	NA	< 1.0	< 1	< 1.0	< 1	NA
Trimethylbenzene, 1,2,4-	360	4800	NE	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Vinyl chloride	1.6	52	15750	< 0.5 U	<1.0	<2.5	<1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**	**0.5 L**		< 1.0	< 1	< 1.0	< 1	**1 J**
Xylene, m,p-	NE	NE	NE	NA	< 2.0	< 2	< 2.0	< 2	1 U	NA	NA	< 2.0	< 2	< 2.0	< 2	1 U	NA	NA	< 2.0	< 2	< 2.0	< 2	1 U
Xylene, o-	NE	NE	NE	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Xylenes, Total	8700	48000	NE	< 1.0 U	< 1.0	< 1	< 1.0	< 1	NA	< 1.0 U	< 1.0 U	< 1.0	< 1	< 1.0	< 1	NA	< 1.0 U	< 1.0 U	< 1.0	< 1	< 1.0	< 1	NA
SVOCs (ug/l)																							
Acenaphthene	NE	NE	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**

GEI Consultants

MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Sample Location: / Historical Location I.D.: / Sample Date:	RES GVC	I/C GVC	SWPC	MW-117S 8/16/2004	MW-117S 7/28/2006	MW-117S 10/31/2006	MW-117S 2/13/2007	MW-117S 5/24/2007	MW-117S 4/16/2008	MW-118D 8/13/2004	Duplicate of: MW-118D 8/13/2004	MW-118D 7/28/2006	MW-118D 10/31/2006	MW-118D 2/16/2007	MW-118D 5/24/2007	MW-118D 4/17/2008	MW-118S 8/16/2004	Duplicate of: MW-118S 8/16/2004	MW-118S 7/28/2006	MW-118S 10/31/2006	MW-118S 2/16/2007	MW-118S 5/24/2007	MW-118S 4/17/2008
Benz[a]anthracene	NE	NE	0.3	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	**0.1**
Bis(2-chloroethoxy)methane	NE	NE	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U
Carbazole	NE	NE	NE	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**
Chrysene	NE	NE	NE	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	**0.1**
Dibenz[a,h]anthracene	NE	NE	NE	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	**0.1 J**
Dichlorophenol,2,4-	NE	NE	15800	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U
Isophorone	NE	NE	NE	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**
Nitroaniline,2-	NE	NE	NE	NA	NA	NA	NA	NA	**50 J**	NA	NA	NA	NA	NA	NA	**50 J**	NA	NA	NA	NA	NA	NA	**50 J**
Trichlorophenol, 2,4,5-	NE	NE	NE	NA	NA	NA	NA	NA	50 U	NA	NA	NA	NA	NA	NA	50 U	NA	NA	NA	NA	NA	NA	50 U
Total Metals (ug/l)																							
Aluminum	NE	NE	NE	NA	NA	NA	NA	NA	56 U	NA	NA	NA	NA	NA	NA	110 U	NA	NA	NA	NA	NA	NA	5500 U
Antimony	NE	NE	86000	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U
Arsenic	NE	NE	4	< 4 U	< 4.0	< 4	< 4	< 4	10 U	< 4 U	< 4 U	< 4.0	< 4	< 4.0	< 4	10 U	< 4 U	< 4 U	< 4.0	< 4	< 4.0	< 4	10 U
Barium	NE	NE	NE	**60**	**42.4**	**33.6**	**40.7**	**50.3**	40 U	**51**	**52**	**28.3**	**23.9**	**25.0**	**35**	29 U	**37 L**	**36 L**	**457**	**190**	**179**	**215**	710 U
Beryllium	NE	NE	4	NA	NA	NA	NA	NA	1.5 U	NA	NA	NA	NA	NA	NA	1.5 U	NA	NA	NA	NA	NA	NA	1.5 U
Cadmium	NE	NE	6	< 2 U	< 2.5	< 2.5	< 2.5	< 2.5	2.5 U	< 2 U	< 2 U	< 2.5	< 2.5	< 2.5	< 2.5	2.5 U	< 2 U	< 2 U	< 2.5	< 2.5	< 2.5	< 2.5	0.98 U
Calcium	NE	NE	NE	NA	NA	NA	NA	NA	15300 U	NA	NA	NA	NA	NA	NA	19400 U	NA	NA	NA	NA	NA	NA	**104000 J**
Chromium	NE	NE	NE	< 5 U	< 5.0	< 5	< 5	< 5	5 U	< 5 U	< 5 U	< 5.0	< 5	< 5.0	< 5	0.95 U	< 5 U	< 5 U	< 5.0	< 5	< 5.0	< 5	8.8 U
Cobalt	NE	NE	NE	NA	NA	NA	NA	NA	5 U	NA	NA	NA	NA	NA	NA	5 U	NA	NA	NA	NA	NA	NA	4.4 U
Copper	NE	NE	48	< 5 U	< 5.0	< 5	< 5	**5.8**	5 U	< 5 U	< 5 U	< 5.0	< 5	**6.0**	**8.2**	6.1 U	< 5 U	< 5 U	< 5.0	< 5	**6.0**	**6**	**15 J**
Fluoride	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NE	NE	NE	NA	NA	NA	NA	NA	170 U	NA	NA	NA	NA	NA	NA	240 U	NA	NA	NA	NA	NA	NA	8500 U
Lead	NE	NE	13	< 5.0 U	< 7.50	< 7.5	< 15	< 7.5	5 U	< 5.0 U	< 5.0 U	< 7.5	< 7.5	< 7.50	< 7.5	5 U	< 5.0 U	< 5.0 U	< 7.50	< 7.5	< 7.50	< 7.5	8.5 U
Magnesium	NE	NE	NE	NA	NA	NA	NA	NA	3000 U	NA	NA	NA	NA	NA	NA	2900 U	NA	NA	NA	NA	NA	NA	**14900**
Manganese	NE	NE	NE	NA	NA	NA	NA	NA	**200**	NA	NA	NA	NA	NA	NA	**18**	NA	NA	NA	NA	NA	NA	**300**
Mercury	NE	NE	NE	< 2 U	< 0.20	< 0.5	< 0.2	< 0.5	NA	< 2 U	< 2 U	< 0.20	< 0.5	< 0.20	< 0.5	NA	< 2 U	< 2 U	< 0.20	< 0.5	< 0.20	< 0.5	NA
Nickel	NE	NE	880	< 10 U	< 5.0	< 5	< 5	< 5	1.4 U	< 10 U	< 10 U	< 5.0	< 5	< 5.0	< 5	1.1 U	< 10 U	< 10 U	< 5.0	< 5	< 5.0	< 5	7.5 U
Potassium	NE	NE	NE	NA	NA	NA	NA	NA	2800 U	NA	NA	NA	NA	NA	NA	3900 U	NA	NA	NA	NA	NA	NA	17700 U
Selenium	NE	NE	50	< 5 U	< 15.0	< 15	< 15	< 15	15 U	< 5 U	< 5 U	< 15.0	< 15	< 15.0	< 15	15 UJ	< 5 U	< 5 U	< 15.0	< 15	< 15.0	< 15	15 UJ
Silver	NE	NE	12	< 5 U	< 5.0	< 5	< 5	< 5	2.5 U	< 5 U	< 5 U	< 5.0	< 5	< 5.0	< 5	2.5 U	< 5 U	< 5 U	< 5.0	< 5	< 5.0	< 5	4.8 U
Sodium	NE	NE	NE	NA	NA	NA	NA	NA	5200 U	NA	NA	NA	NA	NA	NA	21700 U	NA	NA	NA	NA	NA	NA	**149000 J**
Vanadium	NE	NE	NE	NA	NA	NA	NA	NA	2.5 U	NA	NA	NA	NA	NA	NA	0.77 U	NA	NA	NA	NA	NA	NA	13 U
Zinc	NE	NE	123	**10 L**	< 50.8	< 38	< 30	**11.6**	25 U	< 10 U	**21**	< 5.08	< 38	< 5.55	**10.4**	32 U	**37**	< 10 U	< 5.0	< 5	< 5.0	< 5	30 U
Filtered Metals (ug/l)																							
Barium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NE	NE	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NE	NE	48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NE	NE	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NE	NE	880	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NE	NE	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NE	NE	123	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Cyanide (ug/l)																							
Cyanide, Total	NE	NE	52	< 5 U	NA	NA	NA	NA	10 U	< 5 U	< 5 U	NA	NA	NA	NA	**2.3 J**	< 5 U	< 5 U	NA	NA	NA	NA	**2.6**
Cyanide, water	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide-Amenable, Water	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut
Table 2
Historical Detections

Notes:
*sample from MW-104 was from a piezometer (PZ-01)
* *Samples taken fom MW-107 in December 2007 were mislabled as MW-106
2001 Data from "RCRA Corrective Action Stablilization Report" (HRP, May 21, 2001). All non-detect values are based on Detection Limits
2004 Data from " Document of Environmental Indicator Determination (CA725) Current Human Exposures Under Control" (LEA, 2005)
7/2006 - 5/2007 Data from "Annual Groundwater Monitoring Report" (LEA, August 2007).
RES GVC - Residential Gas Vaporization Criteria according to Connecticut Remedial Standard Regulations (CT RSRs).
I/C GVC - Industrial/ Commercial Groundwater Volitalization Criteria according to CT RSRs.
SWPC - Surface Water Protection Criteria according to CT RSRs.
NE- not established
ND - not detected; total concentration is listed as ND because no compounds were detected in the group
NA - not analyzed
J - estimated value
U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis
UJ - Not detected at or above the reporting limit shown and the reporting limit is estimated
E - Value above quantitation range
L - Spectral evidence confrims the presence of this compound at a concentration below the calibration limit but above the method detection limit
Bolding indicates a detected result value
Shading and bolding indicates that the detected result value exceeds the CT RSR objective it was compared to.
ug/L - micrograms per liter or parts per billion (ppb)
VOCs - volatile organic compounds
SVOCs - semivolatile organic compounds
PCBs - Polychlorinated Biphenyls

MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut

Table 3
Groundwater Elevations December 2007 April 2008

Well ID	Reference Elevation (ft, ABM)	December-07		April-08	
		Depth to Groundwater (ft)	Groundwater Elevation (ft, ABM)	Depth to Groundwater (ft)	Groundwater Elevation (ft, ABM)
MW-101	NS	3.90		1.90	
MW-102	NS	27.10		25.65	
MW-103	962.70	NM		29.00	933.70
MW-105	963.31	32.20	931.11	30.55	932.76
MW-104	NS	NM		16.90	
MW-107	NS	36.95		32.75	
MW-108	963.79	34.55	929.24	29.60	934.19
MW-109	963.75	NM		28.90	934.85
MW-110	964.05	NM		NM	
MW-111	961.92	31.80	930.12	30.50	931.42
MW-112	962.54	29.50	933.04	29.20	933.34
MW-113	964.01	NM		33.40	930.61
MW-114	962.02	31.80	930.22	29.90	932.12
MW-115	962.69	32.20	930.49	30.00	932.69
MW-116S	962.40	NM		28.40	934.00
MW-116D	962.41	NM		29.05	933.36
MW-117S	962.55	NM		27.50	935.05
MW-117D	962.42	NM		45.5	916.92
MW-118S	962.22	NM		29.3	932.92
MW-118D	962.36	NM		29.5	932.86
PZ-01	960.60	NM		NM	
PZ-02	968.00	NM		NM	
PZ-03	967.87	NM		NM	
PZ-04	962.84	NM		NM	

NM = not measured

NS = Not surveyed

PVC = top of PVC pipe

All elevations surveyed on October 30, 2002.

All elevations are based on an assumed reference benchmark (GEI 13) of 100 ft.