FINAL CLOSURE REPORT

RCRA Facility

21st Century Environmental Management, Inc. of RI

PHILIP SERVICES CORPORATION

SEP 2 6 2000
R.I.D.E.M.
OFFICE OF WASTE MANAGEMENT

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1.0 INTRODUCTION

The 21st Century Environmental Management, Inc. of RI (Philip Services Corp.) facility is located at 25 Graystone Street in Warwick, Rhode Island. The facility operated under the final status RCRA Part B permit issued by the RI Department of Environmental Management (RIDEM) on October 1, 1994. RCRA operations at the 21st Century Environmental Management, Inc. of RI (21 EMI) facility began with the issuance of the original RCRA Part B permit in August 1986.

By certified letter dated July 27, 1999 Philip Services Corp. (PSC) provided written notification to RIDEM of the initiation of final closure of the 21 EMI facility. Per 40 CFR 264 Subpart G, notification of final closure is required 45 days prior to the date which final closure is expected to begin. The closure process is to be completed within 180 days of initiation (7/27/99 + 45 days + 180 days = March 9, 2000). On February 9, 2000 PSC requested a 180-day extension to complete the closure. This request was granted by RIDEM on March 7, 2000 extending the closure date to September 5, 2000.

The facility was also subject to the August 1986 Siting Agreement (as amended) made with the City of Warwick, RI. On August 27, 1999 PSC notified the City of Warwick of the facility closure and termination of the Siting Agreement. On January 27, 2000 PSC and the City of Warwick signed a mutual release of claims thereby terminating this Siting Agreement described and included in the facility RCRA Part B permit.

The above referenced letters and other significant correspondence are included in Appendix 1.

Per 40 CFR 264.115 and 264.143(i), this final closure report and certification has been submitted with 60 days of completion of closure. Further, PSC will maintain the existing financial assurance until RIDEM notifies PSC in writing that the closure has been completed in accordance with the approved closure plan. Notification by RIDEM is required within 60 days of receipt of the final closure report and certification.

2.0 CLOSURE PLAN

After notification of closure, RIDEM and PSC met in August 1999 to discuss closure procedures for the decontamination and disposition of the equipment and structures, and variances during closure from several permit-driven operational requirements.

On August 26, 1999 PSC submitted the document "Closure Procedures, Addendum to Closure Plan, 21 EMI Facility" that provided further detail to the procedures described in the Hazardous Waste Closure Plan in Section 11.00 of the existing facility RCRA Part B permit. Included in this Addendum were the anticipated closure sequence, decontamination/disposal decision matrix, proposed decontamination standard and verification sampling procedures, and desired operational variances during closure. The Closure Plan and August 26th Addendum are included in Appendix 1.

As described in this Addendum, the majority of the waste-processing equipment was to be dismantled and disposed of as hazardous wastes debris rather than decontaminated for removal from hazardous waste service. Certain hazardous waste equipment was also to be sent to other RCRA facilities for continued use in hazardous waste service. Additionally structural steel was to be removed from the facility under the exclusions provided in 40 CFR 261.1 and 261.4.

For decontamination of equipment and concrete containment surfaces, the Closure Plan and the August 26th Addendum described sampling the final rinsate to determine compliance with the decontamination standards. The Closure Plan allowed decontamination to be considered complete when analysis indicated the rinsate did not meet the definition of a hazardous waste under RIDEM Hazardous Waste Management Regulations. The Addendum proposed that decontamination be considered complete when analyses indicated the hazardous constituents were below the Universal Treatment Standards (UTS) specified in 40 CFR 268.48.

By letter dated September 8, 1999, RIDEM expressed concern that sampling of rinsate from porous surfaces such as concrete (containment surfaces/sumps) may not be appropriate to confirm decontamination and proposed sampling of the concrete itself. After much discussion, on March 15, 2000 PSC submitted the document "Decontamination Verification Sampling Plan, Addendum to Closure Plan, 21 EMI Facility" that described the verification sampling procedures, sample locations, and RIDEM specified cleanup standards for the facility concrete containment structures. Refer to Appendix 1.

Decontamination for removal from hazardous waste service of equipment with non-porous surfaces was considered complete when final rinsate analysis indicated contaminants were near or below method detection limits (MDLs). The MDLs achieved were below the Universal Treatment Standards and those defining a hazardous waste under RIDEM Hazardous Waste Management Regulations.

As required, all closure activities were completed with oversight by an independent Register Professional Engineer. The Professional Engineer's project log is included in Appendix 2.

3.0 INVENTORY ELIMINATION

In March 1999 21 EMI ceased accepting additional wastes into the facility and focused on processing that existing inventory. At notification of closure in July 1999 all waste storage tanks (S-series) were empty and rinsed, and approximately 45,000 gallons of on-site treatable wastewater remained in the reactor/discharge tanks. This wastewater was processed as normal and discharged to the POTW over the following few weeks. The resulting filter cake generated was sent off site for disposal.

At this point four reactors and the D-series discharge tanks were used to collect on-site generated rinse waters. These rinse waters were processed on site and the final discharge to the City of Warwick POTW was completed on November 18, 1999. Solids generated from the filter press and from tank clean outs were sent off site for disposal.

The reactors (P-series) were dismantled beginning in late November. All subsequent rinse waters were collected in the D-series tanks and sent off site for disposal. Removal of the D-series tanks was completed in April 2000. Once the D-series tanks were removed, rinse waters were collected in a mobile tank positioned in the truck bay. The mobile tank was emptied and removed from the site on June 15, 2000. Solids were collected in containers for off site disposal.

Product chemicals were used to the extent possible in the final wastewater treatment operations. All bulk chemicals were removed from the facility in December 1999. Removal of the few remaining non-bulk (containers and bags) chemicals was completed by April 2000.

Copies of manifests for wastes shipped are provided in Appendix 3. Copies of Bills of Lading for product chemicals shipped are provided in Appendix 4.

4.0 EQUIPMENT REMOVAL / DECONTAMINATION

Table 3.1 lists all facility equipment, its disposition (disposal, reuse, scrap), completion date, and off-site shipping information as appropriate.

4.1 Equipment Disposal

The majority of the waste processing equipment (tanks, piping, ducting) was dismantled, placed in to roll off boxes and disposed of as hazardous wastes debris rather than decontaminated for removal from hazardous waste service. Copies of manifests for hazardous waste equipment disposed are provided in Appendix 5.

Other hazardous waste equipment (filter press #5, "German" scrubber, sock filter units, various pumps) was sent to other RCRA facilities for continued use in hazardous waste service.

4.2 Equipment Reuse

Certain waste processing equipment (sludge dryers, filter press #2, main scrubber) was decontaminated for reuse in non-hazardous waste service. As the surface of this equipment was non-porous, sampling the final rinsate was appropriate to demonstrate decontamination. The equipment was decontaminated in a three-step process as described below. Copies of bills of lading for decontaminated hazardous waste equipment are provided in Appendix 6.

The first step was washing with a high-pressure steam cleaner using a detergent solution of tri-sodium phosphate (TSP) or boric acid. This was followed by two rinse steps using the high-pressure steam cleaner without detergent. A sample of the final rinse was collected for analysis to confirm decontamination was complete. Analytes included those hazardous constituents associated with the hazardous waste codes historically handled at the facility.

Decontamination was considered complete when final rinsate analysis indicated contaminants were near or below method detection limits (MDLs). The MDLs achieved were below the Universal Treatment Standards and those defining a hazardous waste under RIDEM Hazardous Waste Management Regulations. Analytical results are summarized in Table 3-2. Analytical reports are provided in Appendix 7.

The unloading area gravity piping and the main scrubber and blower fan were decontaminated and left in place. The gravity piping runs from the loading pad to the receiving tank area and is encased in concrete. In addition to collecting rinsate samples to confirm decontamination, the gravity lines were viewed by remote camera for verification. A schematic of the gravity piping is provided in Appendix 8. The main scrubber, due to it large size and possible use by another company, will remain in place.

Where salvageable, equipment used for product chemical handling was cleaned and shipped off site for use elsewhere. This equipment is not regulated under RCRA and was not subject to the specified decontamination and verification sampling procedures. Refer to Appendix 6.

4.3 Scrap

Structural steel (cat walks) was removed from the facility under the exclusions provided in 40 CFR 261.1 and 261.4. New unused equipment (spare parts) was shipped off site for use elsewhere. Refer to Appendix 6.

5.0 CONTAINMENT AREA DECONTAMINATION

Decontamination and verification sampling of the concrete containment areas was performed as described in the March 15, 2000 document "Decontamination Verification Sampling Plan, Addendum to Closure Plan, 21 EMI Facility". This addendum provides the verification sampling procedures, sample locations, and RIDEM specified cleanup standards.

5.1 Decontamination Method

The concrete surface was first washed with a high-pressure steam cleaner using a detergent solution of tri-sodium phosphate (TSP) or boric acid. This was followed by two rinse steps using the high-pressure steam cleaner without detergent.

5.2 Confirmation Sampling

Concrete chip samples were taken at bias locations, specifically sumps and trenches in the separate and various portions of the facility. Samples were further biased at these locations to cracks, worn areas, and stained areas. These areas would most likely be impacted from past operations and would best represent and demonstrate the adequacy of the decontamination.

The precise sampling locations described in the March 15, 2000 addendum were agreed with RIDEM during a field visit on the initial day of sampling. The sample collection procedures were as described in the addendum.

The initial results indicated that all analytes were below clean up limits established by RIDEM except arsenic. The arsenic limit of 3.8 mg/kg was exceeded at 18 of 30 sample locations. A QA review revealed that these 18 samples were analyzed by ICP (Method 6010) rather than by graphite furnace (Method 200.9), as were the other 12 samples. By Method 6010 the typical MDL was 2.5 mg/kg and by the Method 200.9 the typical MDL was 0.12 mg/kg. The 18 samples were reanalyzed by Method 200.9 with only two locations exceeding the arsenic limit. These locations were re-cleaned and re-sampled. One location was below the limit and one above. Again, the one location was re-cleaned/re-sampled and was below the RIDEM limit. Therefore decontamination was considered completed, as all analytes were the below RIDEM established clean up limits.

Analytical results are summarized in Table 3-3. Analytical reports are provided in Appendix 9.

6.0 PROJECT CHRONOLOGY

Item / Action	Completion Date	Time (Days)
Notification of Closure made to RIDEM.	7/27/99	0
Notification of Closure made to City of Warwick (siting agreement).	8/27/99	+31
Cut up and removed all S-series waste storage tanks including associated piping, air ducting, and pre-scrubbers.	9/15/99	+50
Cut up and removed all R-series waste receiving tanks including associated piping, air ducting, and pre-scrubbers, and ducting in loading area. Scraped silver recovery/fixer regeneration unit.	10/8/99	+73
Cut up and removed all roof ducting and HVAC equipment. Sealed openings in roof. Flushed gravity receiving lines from loading area.	10/15/99	+80
Completed elimination of waste inventory at closure notification.	11/5/99	+101
Removed Filter Press #2 and high-pressure pump. Removed decking and catwalks. Cut up and removed tanks P-9 and P-10.	11/12/99	+108
Final discharge to POTW.	11/18/99	+114
Cut up and removed make-up tanks in main scrubber room.	12/3/99	+129
Removed ion exchange and ammonia columns. Remove/scrap sludge conveyor system. Removed Goema Panel.	12/30/99	+156
Removed all ancillary equipment, dosing tanks, piping and ducting and cut up and scraped P-series steel reactor tanks.	12/30/99	+156
Cleaned all product storage tanks. Bleach and sulfuric tanks and two stainless steel tanks remained intact. Cut up other plastic tanks.	1/21/00	+178
Request for 180-day extension for closure submitted to RIDEM. Request granted 3/7/00 extending closure 9/5/00.	2/9/00	+197
Removed Filter Press #5.	2/25/00	+213
Cut up and removed remaining main air ducting and Interel scrubbers in main scrubber room.	3/3/00	+220
Completed decontamination of process area and storage areas.	3/3/00	+220
Removed internal packing from main scrubber tower.	3/11/00	+228
Cut up and removed piping and air ducting in discharge room.	3/14/00	+231
Decontaminated main scrubber tower (left in place).	4/12/00	+260
Decontaminated D-series wastewater storage tanks in discharge room.	4/29/00	+277

Item / Action	Completion Date	Time (Days)
Completed concrete decontamination verification chip sampling in process area, storage area, scrubber room, and dryer room.	5/16/00	+294
Removed D-series wastewater storage tanks in discharge room	5/31/00	+309
Completed decontamination of remaining areas of facility (scrubber room, dryer room, discharge room, receiving area and truck bay).	6/9/00	+318
Completed concrete decontamination verification chip sampling in discharge room, receiving area and truck bay.	6/15/00	+324
Received preliminary concrete data and completed QA.	7/5/00	+344
Received results of arsenic reanalysis by method 200.9.	8/7/00	+377
Completed concrete decontamination verification chip re-sampling (two locations).	8/21/00	+391
Received results of verification re-sampling.	8/28/00	+398
Completed concrete decontamination verification chip re-sampling (one location).	8/31/00	+401
Received results of verification re-sampling.	9/8/00	+409
Submitted final closure report.	9/22/00	+423

7.0 CLOSURE CERTIFICATION

Per 40 CFR 264.115, the undersigned certify that the 21st Century Environmental Management, Inc. of RI hazardous waste facility was closed in accordance with the approved Closure Plan, the August 26, 1999 and March 15, 2000 addenda, and other related documents. These plans, addenda and documents are included in Appendix 1.

OWNER/OPERATOR

9/22/00

John Stiller
Area Manager, Regulatory Affairs
PHILIP SERVICES CORPORATION

Date

INDEPENDENT REGISTERED PROFESSIONAL ENGINEER

9/22/00

Thomas J. Dolce

Date

LFR LEVINE-FRICKE
RI Registered Professional Engineer #3585

THOMAS J. DOLCE
NO. 3585
REGISTERED
PROFESSIONAL ENGINEER

Table 3-1 Facility Equipment and Disposition

Item	Disposition				Complete Date	Manifest No.	BOL No.	Roll Off No.
	HW Disposal	HW Reuse	Non-HW Reuse	Scrap				
Interel Scrubber, 1250 CFM w/ tanks and pumps	X				2/15/00	RIS0035579		21
Interel Scrubber, 1750 CFM w/ tanks and pumps	X				2/15/00	RIS0035579		21
Interel Scrubber, 1750 CFM w/ tanks and pumps	X				2/15/00	RIS0035579		21
"German" Scrubber, 2500 CFM		X			2/25/00	PAE8685552		by unit
+ roof blower		X			2/25/00	PAE8685552		by unit
2-Stage Cat Grid Main Scrubber & 20,000 CFM blower			X			left in place		
+ 2 chemical mix tanks	X				12/3/99	RIS0035582		11
+ 2 water storage tanks (MST2, MST3)	X				12/3/99	RIS0035582		11
+ 2 centrifugal pumps	X				12/3/99	RIS0035582		11
Pre-Scrubber, 500 CFM w/ tanks (#6A)	X				11/2/99	RIS0035583		10
+ roof blower	X				1/28/00	RIS0035580		19
+ re-circulation pump	X				11/2/99	RIS0035583		10
Pre-Scrubber, 500 CFM w/ tanks (#6B)	X				9/20/99	RIS0037493		3
+ roof blower	X				1/28/00	RIS0035580		19
+ re-circulation pump	X				10/6/99	PAG0987313		5
Pre-Scrubber, 500 CFM w/ tanks (#6C)	X				9/2/99	RIS0034763		1
+ roof blower	X				6/23/00	RIS0044124		by unit
+ re-circulation pump	X				10/6/99	PAG0987313		5
Pre-Scrubber, 500 CFM w/ tanks (#6D)	X				9/20/99	RIS0037493		3
+ roof blower	X				10/1/99	PAG137298		8
+ re-circulation pump	X				10/6/99	PAG0987313		5

Item	Disposition				Complete Date	Manifest No.	BOL No.	Roll Off No.
	HW Disposal	HW Reuse	Non-HW Reuse	Scrap				
Pre-Scrubber, 500 CFM w/ tanks (#6E)	X				9/20/99	RIS0037493		3
+ roof blower	X				1/28/00	RIS0035580		19
+ re-circulation pump	X				10/6/99	PAG0987313		5
Pre-Scrubber, 500 CFM w/ tanks (#6F)	X				9/20/99	RIS0037493		3
+ roof blower	X				10/1/99	PAG137298		8
+ re-circulation pump	X				10/6/99	PAG0987313		5
Pre-Scrubber, 500 CFM w/ tanks (#6G)	X				9/29/99	PAG0987313		5
+ roof blower	X				6/23/00	RIS0044124		by unit
+ re-circulation pump	X				10/6/99	PAG0987313		5
Main Lab Hood Blower			X		11/10/99		001	
+ intermediate blower #1	X				6/23/00	RIS0044124		by unit
+ intermediate blower #2	X				6/23/00	RIS0044124		by unit
Filter Press #2, 50 cu. ft. w/ high pressure pump			X		11/10/99		001	
+ filter cloths	X				11/3/99	RIS0035583		10
Filter Press #5, 10 cu. ft. w/ pump		X			2/25/00	PAE8685552		by unit
+ Tanks T-4 and T-5			X		11/23/99		002	
Stainless steel sludge conveyor (60 ft.)	X				1/6/00	RIS0035581		17
+ conveyor belts	X				1/21/00	RIS0035580		19
JWI Rotary Batch Dryer, 10 cu. ft. (#1)			X		1/3/00		004	
JWI Rotary Batch Dryer, 10 cu. ft. (#2)			X		1/11/00		005	
JWI Rotary Batch Dryer, 10 cu. ft. (#3)			X		1/3/00		004	
JWI Rotary Batch Dryer, 10 cu. ft. (#4)			X		1/11/00		005	

Item	Disposition				Complete Date	Manifest No.	BOL No.	Roll Off No.
	HW Disposal	HW Reuse	Non-HW Reuse	Scrap				
3 Column Ion Exchange Unit - Columns				X	3/8/00		n/a	
piping	X				12/30/99	RIS0035581		16
Resin regeneration unit (never in HW service/used)			X		12/20/99		003	
Ammonia stripper unit (never in HW service/used)				X	11/5/99		n/a	
Silver recovery/fixer regeneration unit	X				10/6/99	PAG0987313		5
Micron bag sock filter unit		X			8/26/99	PAG 0997695		by unit
Micron bag sock filter unit		X			8/26/99	PAG 0997695		by unit
Micron bag sock filter unit		X			8/26/99	PAG 0997695		by unit
Micron bag sock filter unit		X			2/25/00	PAE8685552		by unit
EMI top-mounted mixer w/ shaft (new/unused)			X		11/10/99		001	
EMI top-mounted mixer w/ shaft (new/unused)			X		11/10/99		001	
EMI top-mounted mixer w/ shaft	X				12/17/99	RIS0035581		16
EMI top-mounted mixer w/ shaft (new/unused)			X		3/14/00		010	
Lightening side-mounted mixer w/ shaft	X				12/29/99	RIS0035581		16
Lightening side-mounted mixer w/ shaft (new/unused)			X		3/14/00		010	
Lightening side-mounted mixer w/ shaft (new/unused)			X		3/14/00		010	
Lightening side-mounted mixer w/ shaft (new/unused)			X		3/14/00		010	
Misc. sized air diaphragm pumps: 4 each	X				1/28/00	RIS0035580		20
Misc. sized air diaphragm pumps: 10 each		X			2/25/00	PAE8685552		by unit
Misc. sized air diaphragm pumps: 3 each	X				6/23/00	RIS0044124		by unit
30 misc. length chemical hoses (1 - 3 inch)	X				6/23/00	RIS0044124		by unit
Storage Tank S-1	X				9/2/99	RIS0034763		1

Item	Disposition				Complete Date	Manifest No.	BOL No.	Roll Off No.
	HW Disposal	HW Reuse	Non-HW Reuse	Scrap				
Storage Tank S-2	X				9/2/99	RIS0034763		1
Storage Tank S-3	X				6/2/99	RIS0034763		1
Storage Tank S-4	X				8/24/99	RIS0034763		1
Storage Tank S-5	X				9/1/99	RIS0034763		1
Storage Tank S-6	X				9/1/99	RIS0034763		1
Storage Tank S-7	X				8/31/99	RIS0034763		1
Storage Tank S-8	X				8/27/99	RIS0034763		1
Storage Tank S-9	X				8/26/99	RIS0034763		1
Storage Tank S-10	X				8/25/99	RIS0034763		1
Storage Tank S-11	X				9/13/99	RIS0034763		2
Storage Tank S-12	X				9/10/99	RIS0034763		2
Storage Tank S-13	X				9/10/99	RIS0034763		2
Storage Tank S-14	X				9/10/99	RIS0034763		2
Storage Tank S-15	X				9/9/99	RIS0034763		2
Storage Tank S-16	X				9/8/99	RIS0034763		2
Storage Tank S-17	X				9/8/99	RIS0034763		2
Storage Tank S-18	X				9/7/99	RIS0034763		2
Storage Tank S-19	X				9/7/99	RIS0034763		2
Storage Tank S-20	X				9/3/99	RIS0034763		2
Storage Tank S-21	X				9/3/99	RIS0034763		2
Process Tank P-1	X				12/16/99	RIS0035579		15
	X				12/16/99	RIS0035581		16

Item	Disposition				Complete Date	Manifest No.	BOL No.	Roll Off No.
	HW Disposal	HW Reuse	Non-HW Reuse	Scrap				
Process Tank P-2	X				12/15/99	RIS0035579		15
Process Tank P-3	X				12/14/99	RIS0039636		14
Process Tank P-4	X				12/8/99	RIS0035582		12
Process Tank P-5	X				12/3/99	PAG137571		13
Process Tank P-6	X				12/7/99	RIS0035582		12
	X				12/7/99	PAG137571		13
Process Tank P-7	X				12/10/99	RIS0035582		12
	X				12/10/99	RIS0039636		14
Process Tank P-8	X				8/10/99	RIS0034763		1
Process Tank P-9	X				11/4/99	RIS0035583		10
Process Tank P-10	X				11/4/99	RIS0035583		10
Receiving Tank R-1	X				9/20/99	RIS0037493		3
Receiving Tank R-2	X				9/20/99	RIS0037493		3
Receiving Tank R-4	X				9/17/99	RIS0037493		3
Receiving Tank R-5	X				9/17/99	RIS0037493		3
+ 2 acid receiving area sump pumps	X				10/6/99	PAG0987313		5
+ 2 alkali/CN receiving area sump pumps	X				10/6/99	PAG0987313		5
Discharge Tank D-1			X		6/1/00		011	
Discharge Tank D-2			X		6/1/00		011	
Discharge Tank D-3			X		6/1/00		011	
Discharge Tank D-4 (former metabisulfite tank)	X				10/19/99	PAG137298		8
Tank A-1 (sulfuric acid product storage)			X		2/2/00		007	

Item	Disposition				Complete Date	Manifest No.	BOL No.	Roll Off No.
	HW Disposal	HW Reuse	Non-HW Reuse	Scrap				
Tank A-2 (sulfuric acid product storage)			X		2/2/00		007	
Tank B-1 (bleach product storage)				X	3/28/00		n/a	
Tank B-2 (bleach product storage)			X		2/2/00		007	
Tank C-1 (caustic product storage)	X				1/13/00	RIS0035580		19
Tank C-2 (caustic product storage)	X				1/13/00	RIS0035580		19
Tank HP-1, stainless steel (peroxide product storage)			X		3/7/00		009	
Tank HP-2, stainless steel (peroxide product storage)			X		3/7/00		009	
Reagent Mix Tank w/ blade mixer			X		2/25/00		008	
5 h.p. stainless steel pump for peroxide product			X		2/1/00		006	
7.5 h.p. stainless steel pump for peroxide product			X		2/2/00		007	
1" Graco pump used for bleach			X		1/18/00		012	
1.5" Graco pump used for caustic			X		1/18/00		012	
Transfer piping in S-series (storage) tank area	X				9/14/99	RIS0034763		1, 2
Ducting in S-series tank area	X				9/20/99	RIS0037493		3
Transfer piping in receiving area/loading pad	X				9/30/99	PAG0987313		5
	X				3/8/00	RIS0039636		14
Gravity piping from loading pad to receiving tank area			X		6/15/00	left in place		
Ducting in receiving area/loading pad	X				9/30/99	PAG0987313		5
	X				3/8/00	RIS0039636		14
Transfer piping in process tank area	X				11/17/99	RIS0035583		9
	X				12/24/99	RIS0035581		16
	X				2/4/00	RIS0035580		20

Item	Disposition				Complete Date	Manifest No.	BOL No.	Roll Off No.
	HW Disposal	HW Reuse	Non-HW Reuse	Scrap				
transfer piping in process tank area (conc.)	X				2/15/00	RIS0035579		21
Ducting in process tank area	X				11/17/99	RIS0035583		9
	X				12/24/99	RIS0035581		16
	X				2/4/00	RIS0035580		20
Ducting in dryer room	X				9/20/99	PAG137298		8
Ducting in main scrubber room	X				2/4/00	RIS0035580		20
	X				2/29/00	RIS0039635		23
	X				2/23/00	RIS0039635		18
	X				3/3/00	RIS0039636		22
	X				3/23/00	RIS0041519		3 Bags
Transfer piping in discharge room	X				3/14/00	RIS0039636		14
Ducting in discharge room	X				3/14/00	RIS0039636		14
Transfer piping in product storage area	X				1/14/00	RIS0039635		18
Ducting in product storage area	X				1/14/00	RIS0039635		18
Ducting on roof	X				10/13/99	RIS0037493		4
	X				10/13/99	PAG0987324		6
Ducting from lab to scrubber	X				3/10/00	RIS0039636		14
Scrap steel				X	10/14/99		n/a	7

Table 3-2 Analytical Results - Equipment Decontaminaton Rinsate

mg/L - total	Arsenic	Barium	Cadmium	Chromium	Chrome +6	Lead	Mercury	Nickel	Selenium	Silver	Total CN	pH
MDL	*0.1*	*0.005*	*0.005*	*0.03*	*0.02*	*0.04*	*0.0005*	*0.02*	*0.2*	*0.02*	*0.01*	*s.u.*
UTS Limit	*1.4*	*1.2*	*0.69*	*2.77*	*2.77*	*0.69*	*0.15*	*3.98*	*0.82*	*0.43*	*1.2*	*n/a*
Tank D-1	<0.1	<0.005	<0.005	<0.03	<0.02	<0.04	n.t.	<0.02	<0.2	<0.02	<0.01	6.3
Tank D-2	<0.1	0.005	<0.005	<0.03	<0.02	<0.04	n.t.	<0.02	<0.2	0.05	<0.01	7.6
Tank D-3	<0.1	0.007	<0.005	<0.03	<0.02	<0.04	n.t.	<0.02	<0.2	<0.02	<0.01	9.1
Main Scrubber Tower	<0.1	<0.005	<0.005	<0.03	<0.02	<0.04	<0.0005	0.03	<0.2	<0.02	<0.01	7.3
Main Scrubber Blower Fan	<0.1	<0.005	<0.005	<0.03	<0.02	<0.04	<0.0005	<0.02	<0.2	<0.02	<0.01	9.1
Alkali Unload Gravity Piping	<0.1	<0.005	<0.005	<0.03	<0.02	<0.04	<0.0005	0.03	<0.2	<0.02	<0.01	9.1
Acid Unload Gravity Piping	<0.1	<0.005	<0.005	<0.03	<0.02	0.08	<0.0005	0.03	<0.2	0.05	<0.01	9.2
Spillage Unload Gravity Piping	<0.1	<0.005	<0.005	<0.03	<0.02	<0.04	<0.0005	<0.02	<0.2	0.05	<0.01	9.2
Cyanide Unload Gravity Piping	<0.1	<0.005	<0.005	<0.03	<0.02	<0.04	<0.0005	<0.02	<0.2	<0.02	<0.01	9.2
Alkali Unload Sump Piping	<0.1	0.006	0.010	<0.03	<0.02	<0.04	<0.0005	<0.02	<0.2	<0.02	<0.01	9.0
Acid Unload Sump Piping	<0.1	0.008	<0.005	<0.03	<0.02	<0.04	<0.0005	<0.02	<0.2	0.05	<0.01	9.4
Filter Press #2 -frame	<0.1	<0.2	<0.02	<0.05	<0.02	<0.10	<0.001	<0.04	<0.10	<0.02	<0.05	8.75
Filter Press #2 -plates	<0.1	<0.2	<0.02	<0.05	<0.02	<0.10	<0.001	<0.04	<0.10	<0.02	<0.05	8.85

Table 3-2 Analytical Results - Equipment Decontaminaton Rinsate

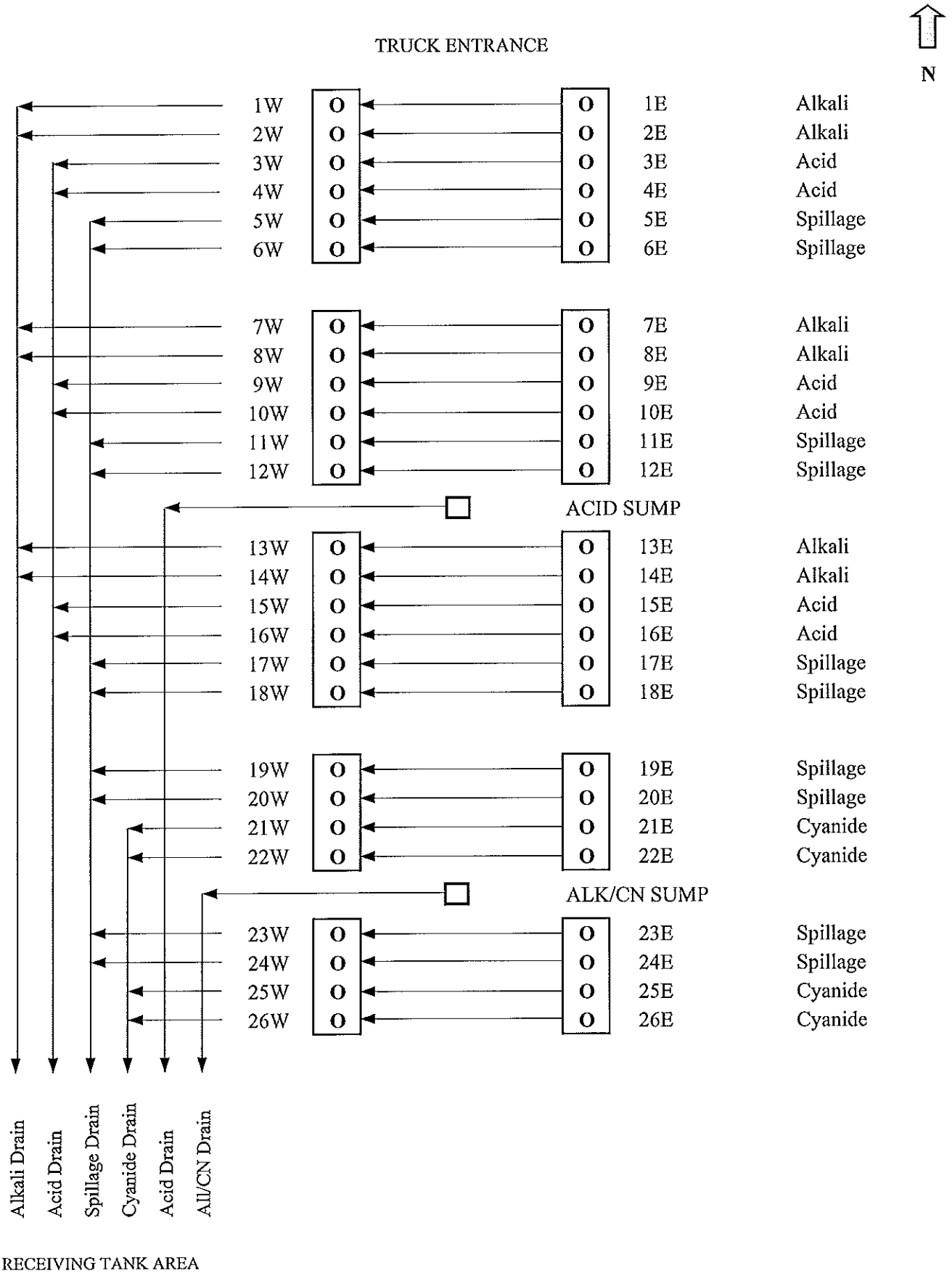
mg/L - total	Arsenic	Barium	Cadmium	Chromium	Chrome +6	Lead	Mercury	Nickel	Selenium	Silver	Total CN	pH
MDL	*0.1*	*0.005*	*0.005*	*0.03*	*0.02*	*0.04*	*0.0005*	*0.02*	*0.2*	*0.02*	*0.01*	*s.u.*
UTS Limit	*1.4*	*1.2*	*0.69*	*2.77*	*2.77*	*0.69*	*0.15*	*3.98*	*0.82*	*0.43*	*1.2*	*n/a*
Filter Press #2 -pump	<0.1	<0.2	<0.02	<0.05	<0.02	<0.10	<0.001	<0.04	<0.10	<0.02	<0.05	8.7
Rotary Dryer #1	<0.1	<0.2	<0.02	<0.05	<0.02	<0.10	<0.001	<0.04	<0.10	<0.02	<0.05	9.75
Rotary Dryer #2	<0.1	<0.2	<0.02	<0.05	<0.02	<0.10	<0.001	<0.04	<0.10	<0.02	<0.05	9.70
Rotary Dryer #3	<0.1	<0.2	<0.02	<0.05	<0.02	<0.10	<0.001	<0.04	<0.10	<0.02	<0.05	9.75
Rotary Dryer #4	<0.1	<0.2	<0.02	<0.05	<0.02	<0.10	<0.001	<0.04	<0.10	<0.02	<0.05	9.80
Ion Exchange Column #1	<0.1	<0.2	<0.02	<0.05	n.t.	<0.10	<0.001	<0.04	<0.10	<0.02	<0.05	9.05
Ion Exchange Column #2	<0.1	<0.2	<0.02	<0.05	n.t.	<0.10	<0.001	<0.04	<0.10	<0.02	<0.05	9.02
Ion Exchange Column #3	<0.1	<0.2	<0.02	<0.05	n.t.	<0.10	<0.001	<0.04	<0.10	<0.02	<0.05	9.00

Table 3-3 Analytical Results - Concrete Decontamination Verification Chip Samples

Sample Identification	Analyte		Arsenic	Barium	Cadmium	Chrome +3	Chrome +6	Lead	Mercury	Selenium	Silver	pH
	RIDEM limit (mg/kg - total)		3.8	10,000	1,000	10,000	64	500	610	10,000	10,000	n/a
	PR-S-01	result	1.80	119	6.08	16.5	1.16	14.5	<0.25	<5.0	<0.50	11
		MDL	*0.13*	*0.13*	*0.13*	*0.75*	*0.83*	*1.00*	*0.25*	*5.0*	*0.50*	
	PR-S-02	result	1.60	26.2	0.40	4.00	<0.80	4.00	<0.25	<5.0	<0.50	11
		MDL	*0.13*	*0.13*	*0.13*	*0.75*	*0.80*	*1.00*	*0.25*	*5.0*	*0.50*	
	PR-T-01	result	1.64	36.8	10.5	10.5	<0.82	7.25	<0.25	<5.0	2.75	11
		MDL	*0.13*	*0.13*	*0.13*	*0.75*	*0.82*	*1.00*	*0.25*	*5.0*	*0.50*	
	PR-T-02	result	1.76	42.2	8.12	19.0	<0.77	15.5	<0.25	<5.0	<0.50	11
		MDL	*0.13*	*0.13*	*0.13*	*0.75*	*0.77*	*1.00*	*0.25*	*5.0*	*0.50*	
	PR-T-03	result	1.88	59.8	21.6	15.2	2.37	45.2	<0.25	<5.0	1.00	11
		MDL	*0.13*	*0.13*	*0.13*	*0.75*	*2.37*	*1.00*	*0.25*	*5.0*	*0.50*	
	FP-S-01	result	1.76	44.2	80.5	13.8	<0.82	17.5	<0.25	<5.0	5.0	11
		MDL	*0.13*	*0.13*	*0.13*	*0.75*	*0.82*	*0.04*	*0.25*	*5.0*	*0.02*	
	FP-T-01	result	2.04	48.8	7.55	17.5	2.03	6.00	<0.25	<5.0	0.50	11
		MDL	*0.13*	*0.13*	*0.13*	*0.75*	*0.78*	*1.00*	*0.25*	*5.0*	*0.50*	
	FP-T-02	result	3.72	67.2	1.22	16.2	5.33	5.25	<0.25	<5.0	<0.50	12
		MDL	*0.13*	*0.13*	*0.13*	*0.75*	*0.87*	*1.00*	*0.25*	*5.0*	*0.50*	
	FP-T-03	result	2.73	58.0	1.72	15.0	2.30	5.25	<0.25	<5.0	<0.50	11
		MDL	*0.14*	*0.13*	*0.13*	*0.75*	*0.87*	*1.00*	*0.25*	*5.0*	*0.50*	
	ST/CN-S-01	result	1.16	80.9	2.73	7.47	1.08	7.22	<0.25	<5.15	<0.52	12
		MDL	*0.10*	*0.13*	*0.13*	*0.77*	*0.83*	*1.03*	*0.25*	*5.15*	*0.52*	
	ST/CN-S-02	result	0.83	153	28.9	13.5	<0.79	8.33	<0.25	<5.21	0.78	12
		MDL	*0.10*	*0.13*	*0.13*	*0.78*	*0.79*	*1.04*	*0.25*	*5.21*	*0.52*	
	ST/CN-T-01	result	1.89	73.2	83.9	12.9	<0.85	11.0	<0.25	22.9	1.32	11
		MDL	*0.10*	*0.13*	*0.13*	*0.79*	*0.85*	*1.05*	*0.25*	*5.26*	*0.58*	
	ST/AC-S-01	result	1.03	44.8	1.08	36.1	3.76	13.6	<0.25	<5.25	<0.52	11
		MDL	*0.10*	*0.13*	*0.13*	*0.77*	*0.83*	*1.03*	*0.25*	*5.25*	*0.52*	
	ST/AC-T-01	result	1.18	40.7	1.78	63.9	4.38	37.9	<0.25	<5.25	2.32	11
		MDL	*0.10*	*0.13*	*0.13*	*0.77*	*0.80*	*1.03*	*0.25*	*5.25*	*0.52*	
	ST/AK-S-01	result	0.83	76.6	1.95	14.3	1.72	8.33	<0.25	<5.21	<0.52	11
		MDL	*0.10*	*0.14*	*0.14*	*0.78*	*0.84*	*1.04*	*0.25*	*5.21*	*0.52*	

Table 3-3 Analytical Results - Concrete Decontamination Verification Chip Samples

Sample Identification	Analyte		Arsenic	Barium	Cadmium	Chrome +3	Chrome +6	Lead	Mercury	Selenium	Silver	pH
	RIDEM limit (mg/kg - total)		3.8	10,000	1,000	10,000	64	500	610	10,000	10,000	n/a
	ST/AK-T-01	result	1.13	24.6	35.3	387	6.73	35.5	<0.25	<5.26	2.37	11
		MDL	*0.10*	*0.13*	*0.13*	*0.79*	*0.84*	*1.05*	*0.25*	*5.26*	*0.53*	
	ST/PD-S-01	result	0.90	63.1	0.77	7.73	<0.79	4.64	<0.25	<5.25	<0.52	11
		MDL	*0.10*	*0.13*	*0.13*	*0.77*	*0.79*	*1.03*	*0.25*	*5.25*	*0.52*	
	ST/PD-S-02	result	0.83	661	2.99	12.8	<0.82	8.07	<0.25	<5.21	<0.52	11
		MDL	*0.10*	*0.13*	*0.13*	*0.78*	*0.82*	*1.04*	*0.25*	*5.21*	*0.52*	
	ST/PD-S-03	result	0.52	58.4	0.38	14.3	<0.96	9.09	<0.25	<6.99	<0.70	1.9
		MDL	*0.10*	*0.17*	*0.17*	*1.05*	*0.96*	*1.40*	*0.25*	*6.99*	*0.70*	
	ST/PD-S-04	result	0.78	74.7	1.82	10.9	1.56	10.2	<0.25	<5.21	<0.52	12
		MDL	*0.10*	*0.13*	*0.13*	*0.78*	*0.82*	*1.04*	*0.25*	*5.21*	*0.52*	
	DR-S-01	result	2.37	60.2	5.57	22.9	2.34	7.81	<0.25	<5.21	<0.52	12
		MDL	*0.13*	*0.13*	*0.13*	*0.77*	*0.78*	*1.04*	*0.25*	*5.21*	*0.52*	
	SC-S-01	result	2.68	59.1	22.0	22.1	<0.75	13.3	<0.25	<5.21	1.04	11
		MDL	*.013*	*0.13*	*0.13*	*0.77*	*0.75*	*1.04*	*0.25*	*5.21*	*0.52*	
	DI-S-01-R1	result	3.58	76.4	0.99	12.9	<0.74	10.6	<0.25	<5.08	<0.51	11
		MDL	*0.10*	*0.13*	*0.13*	*0.76*	*0.74*	*1.02*	*0.25*	*5.08*	*0.51*	
	DI-S-02	result	1.69	239	2.72	21.3	<0.87	10.7	<0.25	<5.62	1.68	12
		MDL	*0.14*	*0.14*	*0.14*	*0.84*	*0.87*	*1.12*	*0.25*	*5.62*	*0.56*	
	DI-S-03	result	1.89	25.8	1.84	5.88	<0.76	5.36	<0.25	<5.10	0.51	11
		MDL	*0.13*	*0.13*	*0.13*	*0.77*	*0.76*	*1.02*	*0.25*	*5.10*	*0.51*	
	RE/AKCN-S-01	result	3.32	152	3.67	7.98	<0.85	5.32	<0.25	<5.3	1.06	11
		MDL	*0.14*	*0.13*	*0.13*	*0.80*	*0.85*	*1.06*	*0.25*	*5.3*	*0.53*	
	RE/AC-S-01	result	3.03	26.0	2.44	31.9	2.93	29.4	2.28	<5.6	11.4	10
		MDL	*0.14*	*0.14*	*0.14*	*0.83*	*0.88*	*1.11*	*0.25*	*5.6*	*0.56*	
	RE-S-01	result	2.13	40.5	2.05	30.8	<0.84	7.39	<0.25	<5.26	6.58	11
		MDL	*0.13*	*0.13*	*0.13*	*0.79*	*0.84*	*1.05*	*0.25*	*5.26*	*0.53*	
	TB/AKCN-S-01-R2	result	0.37	1330	96.3	71.3	<0.78	98.5	0.44	<4.95	27.0	11
		MDL	*0.10*	*0.13*	*0.13*	*0.79*	*0.78*	*1.05*	*0.25*	*4.95*	*0.53*	
	TB/AC-S-01-R1	result	3.74	41.2	0.74	15.4	2.86	5.22	<0.25	<5.5	<0.55	11
		MDL	*0.13*	*0.14*	*0.14*	*0.82*	*0.81*	*1.10*	*0.25*	*5.5*	*0.55*	


TRUCK ENTRANCE
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11E Spillage
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ACID SUMP
13E Alkali
14E Alkali
15E Acid
16E Acid
17E Spillage
18E Spillage
19E Spillage
20E Spillage
21E Cyanide
22E Cyanide
ALK/CN SUMP
23E Spillage
24E Spillage
25E Cyanide
26E Cyanide
Alkali Drain
Acid Drain
Spillage Drain
Cyanide Drain
Acid Drain
All/CN Drain
RECEIVING TANK AREA

APPENDIX 1

Closure Plan and Addenda and Correspondence

SECTION 11.00

HAZARDOUS WASTE CLOSING PLAN

AND CLOSURE COST ESTIMATE

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11.00

HAZARDOUS WASTE
CLOSURE PLAN AND CLOSURE COST ESTIMATE

ETICAM
Warwick, Rhode Island

11.10 INTRODUCTION

11.11 GENERAL

The purpose of this plan is to describe how ETICAM will close its hazardous waste treatment and storage facility in a manner that:

- Minimizes the need for further maintenance and

- Controls, minimizes or eliminates post-closure escape of hazardous waste, hazardous constituents, or waste decomposition products to the ground, or to surface waters or to the atmosphere.

This plan sets forth all of the steps required to be taken by ETICAM to properly and completely close its hazardous waste storage facility. These steps include:

- A description of how and when the facility will be partially, if applicable, and ultimately closed.

- An estimate of the maximum inventory of wastes in storage at any given time.

- A description of the steps needed to decontaminate hazardous waste equipment during closure.

- A schedule for final closure.

- Certification requirement by an independent registered engineer.

11.20 HAZARDOUS WASTES STORED AT ETICAM

11.21 DESCRIPTION AND LIST OF WASTES

ETICAM is a hazardous waste treatment and storage facility located on 25 Graystone Street in Warwick, Rhode Island. Its EPA ID Number is RID980906986.

The facility accepts, stores and treats various materials which are considered to be hazardous wastes as described in its Part A Hazardous Waste Permit Application, which can be found in Appendix A.

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Very briefly, the facility stores hazardous wastes in tanks. Generally, wastes stored in tanks are aqueous and are processed through the facility's treatment system.

The following is a general breakdown of the categories of wastes accepted at ETICAM:

Waste Category	Typical EPA Waste Code	Typical EPA Process Code
1) Metal containing sludges (hydroxide)	F006, F008, D006, D007, D008, D011	S02, T01 T04
2) Cyanide bearing solutions; plating & stripping baths, metal heat treatment quenching liquid residues; includes precious metal cyanide solutions	F007, F009, F010, F011, F012, F019, D003	S02, T01
3) Other corrosives; acids, alkalis, plating & stripping solutions (non-cyanide); includes precious metal solutions	D002	S02, T01

11.22 MAXIMUM INVENTORY

The estimated maximum inventory of hazardous waste in storage/treatment at any given time at ETICAM is as follows:

11.22.1 INVENTORY IN BUILDING

Tanks	Content	Maximum Inventory
7 - 3100 gal. 1 - 1550 gal.	Acid Solutions	23,250 gals.
6 - 3100 gal. 1 - 1550 gal.	Alkali/Metal Hydroxide Solutions	13,950 gals.
6 - 3100 gal. 1 - 1550 gal.	Cyanide Solutions	20,150 gals.
4 - 3100 gal. 1 - 1550 gal.	Spillage Waste Waters	13,950 gals.
Total Inventory in Building		71,300 gals.

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11.30 CLOSURE SCHEDULE

The following schedule includes anticipated dates when wastes will no longer be accepted, treated or stored at ETICAM and intervening closure milestone dates which will allow tracking of the progress closure.

	Closure Event	Anticipated Completion Date
1)	Waste no longer accepted, stored or treated.	Year 2033 A.D.
2)	Notify EPA/DEM of the closure initiation date.	180 days before date of initiation of closure
3)	Final shipment of waste accepted.	Closure initiation date
4)	* Treat all inventories of waste on-site	Within 70 days of closure initiation date
5)	* Decontaminate loading/unloading areas and all floor and tank containment areas subject to spills and test rinse waters.	Within 85 days of closure initiation date
6)	* Decontaminate all tanks, piping, pumps, filters.	Within 110 days of closure initiation date
7)	* Treat all decontamination rinse waters.	Within 120 days of closure initiation date
8)	* Ship all sludges from final treatment and drums of contaminated, absorbent and personal protective equipment to permitted off-site facilities.	Within 130 days of closure initiation date
9)	Submit closure certifications to EPA/DEM by owner/operator and & registered professional engineer.	Within 140 days of closure initiation date
10)	Invite EPA/DEM to review closure.	Within 150 days of closure initiation date
11)	Closure complete.	Within 180 days of closure initiation date

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* All items above marked with an asterisk are closure steps requiring inspection and/or supervision by an independent registered professional engineer.

11.40 NOTIFICATION OF INTENT TO CLOSE

At least 180 days before the date closure is to begin, ETICAM will notify EPA/DEM of the exact date it intends to initiate closure. In the event that amendments are required to the closure plan, said amendments will be submitted to EPA/DEM along with aforementioned notification of closure initiation date. If EPA/DEM does not approve the plan or requires it to be modified, ETICAM will submit a new or modified plan to EPA/DEM within 30 days of the date of such notification by EPA/DEM.

11.50 REMOVAL AND/OR TREATMENT OF HAZARDOUS WASTE INVENTORIES

This section of the closure plan will describe how all hazardous waste at the facility will be treated on-site or off-site. All of the actions indicated in this section will be completed within 70 days of the closure initiation date.

All inventories (including the decontamination wash and rinse water and tank cleaning) will be treated on-site or off-site.

On site treatment will be conducted through the system as described in Permit Section 2.00.

In the event that off-site treatment of the inventory at the facility becomes necessary, all inventories (including decontamination wash and rinse waters) will be treated by Clean Harbors Environmental Services Companies, Providence, RI.

11.60 DECONTAMINATION OF HAZARDOUS WASTE STORAGE/TREATMENT AREAS

This section of the closure plan will describe how facility equipment and structures used to manage hazardous wastes will be decontaminated.

11.61 TRUCK LOADING/UNLOADING AREA

Following treatment or removal of remaining inventories, the loading/unloading area will be inspected for leaks and spills of hazardous waste. Any such leaks or spills will be cleaned up using sand or absorbent.

The contaminated material will be drummed for shipment to a permitted off-site facility.

The areas will then be further decontaminated by washing the surfaces with a high pressure steam jenny cleaning unit containing a detergent solution. Wash water will be squeegeed to a low point, then transferred to the appropriate processing/holding tanks for treatment or removal.

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Following the washing operation, the areas will be rinsed with the high pressure steam jenny, without detergent. This first rinse water will again be transferred to the processing/holding tanks for treatment or removal. A second rinse will then be performed and the water collected and transferred to a clean holding tank or to clean 55 gallon containers. A sample of this second rinse will be collected and analyzed to determine whether or not decontamination is adequate. Analytical testing for listed wastes will involve testing for the hazardous constituents for each listed waste previously stored in a particular area being decontaminated. In addition, the sample will be evaluated to determine whether or not it is hazardous under the R.I. DEM regulatory definitions of hazardous waste.

Following completion of analytical testing of the rinse water, the data will be reviewed with the registered engineer supervising closure and EPA/DEM. A determination will be revealed as to whether or not the levels of contaminants are low enough to consider decontamination complete. If it is judged that the decontamination is not complete, the water from the second rinse will be processed through the treatment system on-site or treated off-site, and the wash and rinse cycle will be repeated.

The specific quantity of decontamination waters are given in Sub-Section 11.92.

11.62 TANKS, PUMPS AND PIPING

Once all waste has been processed, the empty treatment/storage tanks will be decontaminated one by one. Tank decontamination will be accomplished as described below. All tank interior surfaces will be thoroughly washed with a high pressure steam jenny cleaning unit containing a detergent solution. All washwater will be pumped to the treatment tanks for on-site treatment or removed for off-site treatment. Following the washing operation, each tank interior will be rinsed using the high pressure jenny unit without detergent.

This first rinse will be managed as described in the above for treatment. A second rinse will be performed and the rinse water sampled and analyzed as described in Section 11.61 to determine if decontamination is complete.

Following tank decontamination, the filter presses will be cleaned using the steam jenny unit by applying one detergent wash and two rinses. The second rinse will again be sampled and tested as previously described to insure decontamination is complete.

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During the tank decontamination procedures, all of the pumps and piping in the facility should have been adequately washed and rinsed. Any pumps and piping not already cleaned will be decontaminated by pumping through a clean water and detergent solution equal to three times the interior capacity of the line to be cleaned. This wash will be followed by two rinses of clean water. All wash and rinse waters from the filter presses, pumps, piping, clarifiers and auxiliary equipment decontamination will be pumped to the 9,000 gallon main treatment tank for on-site treatment or removed for off-site treatment. Following tank and piping decontamination, all tank area secondary containment structures will be cleaned and decontaminated using one wash and one rinse from the high pressure steam jenny unit. The estimated gallons of wash and rinse water generated from the tank, pumps, piping and auxiliary equipment decontamination are given in Sub-Section 11.92.

During the last stages of decontamination operations, only the main 9,000 gallon treatment tank (P-7), and intermediate pumps and piping will be operational. Any sludge generated will be containerized directly from the clarifier for shipment off-site. Final washing and rinsing of Reactor P-7 will be completed with the resultant waters collected in a vacuum truck and transported off-site to a permitted facility. The estimated gallons of wash and rinse waters and product generated from this last phase of decontamination are given in Sub-Section 11.92.

11.63 PROTECTIVE AND SPILL CLEAN-UP EQUIPMENT

Following the container storage area decontamination, all personnel protective equipment, and spill cleanup equipment which have become contaminated during the operations specified in Section 11.50 and 11.60 of this plan, will be containerized and shipped to a permitted off-site facility.

11.70 FACILITY STATUS DURING CLOSURE

During the entire closure process, the facility will maintain compliance with US EPA and RI DEM hazardous waste regulatory status standards.

11.80 CERTIFICATION OF CLOSURE

11.81 CERTIFICATION BY OWNER/OPERATOR

When closure is complete, the owner/operator will submit a signed certification to EPA and DEM that the facility has been closed in full accordance with the specifications in the approved closure plan.

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11.82 CERTIFICATION BY AN ENGINEER

11.82.1 INSPECTIONS DURING CLOSURE

During the facility closure operations specified in Sections 11.50 and 11.60 of this plan, ETICAM will obtain the services of an independent registered engineer to oversee said operations. The engineer will inspect the hazardous waste inventory removal operation, inventory treatment and the facility decontamination operations to ensure they are carried out in accordance with the approved closure plan.

11.82.2 CERTIFICATION BY THE ENGINEER

When closure has been completed, the registered engineer indicated in Section 11.82.1 of this plan will submit a written certification to EPA/DEM that the facility has been closed in accordance with the specifications in the approved closure plan.

11.90 COST ESTIMATE OF CLOSURE

This section of the closure plan will assess and estimate the anticipated cost of closing the hazardous waste treatment storage aspects as delineated in Sections 11.50 through 11.80.

11.91 INVENTORY MANAGEMENT

	1.	Inventory Quantity (Maximum)	
	a.	Number of Tanks	25
*	b.	Tank waste quantity (gal/tank)	2,900
	c.	Total waste quantity (gal) Line 1a x Line 1b	72,500
	2.	On-Site Treatment of Liquid Waste Inventory	
	a.	Quantity of waste to be treated (gal)	72,500
*	b.	Chemicals required for treatment (gal/gal waste)	.57
*	c.	Chemicals unit cost ($/gal)	.90
	d.	Chemicals cost ($) Line 2a x Line 2b x Line 2c	37,192.50

* Average Value

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4. Off-Site Management of Inventory and/or Treatment Residue

a. Quantity of inventory to be managed off-site (gal)

i	acid	23250
ii	alkaline	13950
iii	cyanide	35300
iv	Total	72500

** b. Transporation unit cost ($/gal)

i	acid	0.50
ii	alkaline	0.56
iii	cyanides	0.33

c. Transportation cost ($)
Line 4a(i) x Line 4b(i) +
Line 4a(ii) x Line 4b(ii)+
Line 4a(iii) x Line 4b(iii) 31,086.00

** d. Off-site treatment unit costs ($/gal)

i	acid	0.56
ii	alkaline	0.20
iii	cyanides	3.00

e. Off-site treatment cost ($)
Line 4a(i) x Line 4d(i) +
Line 4a(ii) x Line 4d(ii) +
Line 4a(iii) x Line 4d(iii) 121,710.00

f. Off-site management cost subtotal ($)
Line 4c + Line 4e **152,796.00**

11.92 DECONTAMINATION

1. Protective Clothing and Safety Equipment for Facility Personnel

a. Number of personnel requiring protective clothing and safety equipment for decontamination 9

b. Safety equipment and protective clothing unit cost ($/person) 80.00

** Based upon quote from Clean Harbors Environmental Services, Providence, RI.

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c. Safety equipment and protective clothing cost ($)
Line 1a x Line 1b — 720.00

2. Equipment Decontamination

a. Equipment needing decontamination:

- o pumps and feed lines
- o heavy equipment (e.g. fork lifts, dozers, etc.)
- o other equipment (list) Dryers and Filter Presses

b.	Number of pumps and lines	34
c.	Pumps and lines decontamination cost ($/1000 gal rinsewater)	.77
d.	Residual generation rater for pump and line decontamination (gal/pump & line)	30
e.	Residual generated from pump and line decontamination (gal) Line 2b x Line 2d	1,020
f.	Heavy equipment decontamination cost ($/1000 gal rinsewater)	.77
g.	Total heavy equipment decontamination time (hrs)	16
h.	Residual generation rate for heavy equipment decontamination (gal/hr)	100
i.	Residual generated from heavy equipment decontamination (gal) Line 2g x Line 2h	1,600
j.	Contaminated fluid and/or residues generated (gal) Line 2e + Line 2i	2,620
k.	Equipment decontamination cost ($) Line 2j x .77/1000	2.02

3. Tank Decontamination

a. Number of personnel entering tanks — 9

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b.	Additional personnel safety equipment unit cost ($/person)	50.00
c.	Additional personnel safety equipment cost ($) Line 3a x Line 3b	450.00
d.	Contaminated fluid and/or residues generated (gal)	10,875
e.	Tank decontamination unit cost ($/1000 gal)	.77
f.	Tank decontamination cost ($) (Line 3d x Line 3e)/1000	8.37
g.	Tank decontamination subtotal before surcharge ($) Line 3c + Line 3f	458.37
h.	Surcharge factor (factor $\geq$ 1)	1
i.	Tank decontamination subtotal ($) Line 3g x (1 + Line 3h)	916.74

4. Double Walled Steel Tank Decontamination

a.	Contaminated fluid and/or residues generated (gal)	7,340
b.	Tank decontamination unit cost ($/1000 gal)	.77
c.	Tank decontamination cost ($) (Line 4a x Line 4b)/1000	5.65

5. Sump or Trough Decontamination

a.	Volume to be pumped from sump or trough(s) (gal)	2,367
b.	Time required for pumping (hrs) Line 5a/8000 (round up to nearest integer)	1
c.	Pumping unit cost ($/hr)	23
d.	Pumping cost ($) Line 5b x Line 5c	23.00
e.	Sump or trough decontamination unit cost ($/1000 gal)	.77

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f. Contaminated fluid and/or residues generated (gal) — 355

g. Sump or trough decontamination cost ($)
(Line 5a x Line 5e)/1000 — 1.82

h. Sump or trough decontamination subtotal ($)
Line 5d + Line 5g — 24.82

6. Other Items Needing Decontamination

a. List items Scrubbers and Liquid/Gas Contact System

b. Method of decontamination for other item Steam and Rinse

c. Decontaminated unit cost ($/1000 gal) — .77

d. Contaminated fluid and/or residues generated (gal) — 3,500

7. On-Site Treatment of Decontamination Residues

a. Quantity of residues to be treated (gal)
Line 2j + Line 3d + Line 4a + Line 5a + Line 5f + Line 6d — 27,057

b. Chemical required for treatment (gal/gal residue) — .29

c. Chemicals unit cost ($/gal) — .90

d. Chemicals cost ($)
Line 7a x Line 7b x Line 7c — 7,061.88

e. Electricity required for treatment (kwh/gal residue) — .1015

f. Electricity unit cost ($/kwh) — .07

g. Electricity cost ($)
Line 7a x Line 7e x Line 7f — 192.24

h. Water required for treatment (gal/gal residue) — .124

i. Water unit cost ($/1000 gal) — .77

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j.	Water cost ($) (Line 7a x Line 7h x Line 7i) /1000	2.58
k.	Fuel required for treatment (Btu/gal residue)	67.3
l.	Fuel unit cost ($/100,000 Btu)	0.6738
m.	Fuel cost ($) (Line 7a x Line 7k x Line 7l) /1000,000	12.27
n.	Labor required for treatment (hrs/gallon residue)	0.0104
o.	Process operator unit labor cost ($/hr)	17.50
p.	Labor cost ($) Line 7a x Line 7n x Line 7o	4,924.37
q.	On-site treatment cost ($) Line 7d + Line 7g + Line 7j + Line 7m + Line 7p	12,193.34
r.	Residue generated from treatment (lbs)	216

8. Third Party Testing for Success of Decontamination

* a.	Number of samples	132
b.	Sample collection time required (hrs/sample)	.5
c.	Technician unit labor cost ($/hr)	17.50
d.	Sample collection time (hrs) Line 8a x Line 8b	66
e.	Sampling cost ($) Line 8c x Line 8d	1,155.00
f.	Cost to test each sample ($/sample)	35.00
g.	Testing cost ($) Line 8a x Line 8f	4,620.00
h.	Testing for success of decontamination ($) Line 8e + Line 8g	5,775.00

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9. Treated Residue Discharge to Sewer

a.	Volume of liquid discharged (gal) ($/1000 gal)	38,259
b.	Sewer discharge unit cost	1.47
c.	Sewer discharge cost ($) Line 9a x Line 9b)/1000	56.24

10. Off-Site Management of Decontamination Fluid/Residues and/or Treatment Residue

a.	Quantity to be managed off-site (gals)	27,057
b.	Transporation unit cost ($/gal)	0.50
c.	Transportation cost ($) Line 10a x Line 10b	13,528.50
d.	Off-site treatment unit cost ($/gal)	0.20
e.	Off-site treatment cost ($) Line 4a x Line 4d	5,411.40
f.	Off-site management of decontamination fluid/residues and/or treatment residues subtotal ($) Line 4c + Line 4e	18,939.90

11.93 CERTIFICATION OF FINAL CLOSURE

1. Independent Registered Professional Engineer

a.	Initial review of closure plan (hrs)	8
b.	Inspection frequency (inspection/wk)	1
c.	Inspection time required (hrs/inspection)	2
d.	Number of weeks for closure (wks)	10
e.	Inspection time required (hrs) Line 1b x Line 1c x Line 1d	20
f.	Prepare final documentation (hrs)	4

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g.	Total professional engineer time required (hrs) Line 1a + Line 1e + Line 1f	32
h.	Professional engineer unit labor cost ($/hr)	45.50
i.	Professional engineer cost ($) Line 1g x Line 1h	1,456.00
2.	Clerical	
a.	Clerical time required (hrs/wk)	2
b.	Clerical unit labor cost ($/hr)	12.00
c.	Clerical cost ($) Line 1d x Line 2a x Line 2b	240.00
3.	Certification of Closure Subtotal ($) Line 1i + Line 2c	**1,696.00**

11.94 SUBTOTALS OF CLOSURE COSTS

1.	On-Site Closure costs	
a.	Inventory treatment costs ($) (Section 11.91) Line 2q + Line 3c	51,090.07
b.	Decontamination costs ($) (Section 11.92) Line 1e + Line 2k + Line 3i + Line 5h + Line 7q + Line 8h + Line 9e	19,693.81
c.	Certification costs ($) (Section 11.93) Line 3	1,696.00
d.	On-Site closure costs subtotal ($) Line 1a + Line 1b + Line 1c	**72,479.88**
2.	Off-Site Closure Costs	
a.	Off-site inventory treatement costs ($) (Section 11.91) Line 4f	152,796.00
b.	Off-site decontamination costs ($) (Section 11.92) Line 8h + Line 10f	24,714.90

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c. Certification costs ($)
(Section 11.93) Line 3 — 1,696.00

d. Off-site closure costs subtotal ($)
Line 2a + Line 2b + Line 2c — 179,206.90

11.95 CONTINGENCIES

1. On-Site Treatment

a. Subtotal of closure costs ($)
(Section 11.94) Line 1d — 72,479.88

b. 15% addition for contingencies ($)
Line 1a + (Line 1a x 0.15) — 83,351.86

2. Off-Site Treatment

a. Subtotal of Closure Costs ($)
(Section 11.94) Line 2d — 179.206.90

b. 15% addition for contingencies (4)
Line 2a + (Line 2a x 0.15) — 206,087.93

11.96 CURRENT TOTAL CLOSURE COST

Therefore, the total closure costs are as determined in Sections 11.94 and 11.95, $83,351.86 for on-site treatment and $206,087.93 for off-site, third party.

On a yearly basis, ETICAM will adjust the closure costs estimate by employing an Annual Implicit Price Deflator for Gross National Product as published by the U.S. Department of Commerce in its "Survey of Current Business", and a described in 40 CFR 264.142 (C).

11.100 AMENDMENT OF PLAN

This closure plan and closure cost estimate will be amended from time to time during the active life of the facility whenever changes in operating conditions, permit modifications, anticipated year of closure, or any of the information in this plan substantially changes. Said amendment must be submitted as part of any permit modification submission or within 60 days of any changes requiring said amendment but not requiring a permit modification.

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PHILIP SERVICES

INDUSTRIAL SERVICES GROUP

Eastern Region

July 27, 1999

CERTIFIED MAIL

Mr. Mark Dennen
RIDEM/Office of Waste Management
235 Promenade Street
Providence, RI 02908-5767

Mr. Dennen:

This letter provides written notification to RIDEM that Philip Services Corp. intends to initiate final closure of the 21st Century Environmental Management, Inc. of RI ("21 EMI") hazardous waste facility located at 25 Graystone Street, Warwick RI.

Per 40 CFR 264 Subpart G, notification of final closure is required 45 days prior to the date which final closure is expected to begin. Philip Services Corp. has determined that wastes will no longer be received at the 21 EMI facility, therefore final closure activities will begin 45 days from today. 21 EMI will retain the services of an independent registered professional engineer to oversee closure activities as described in the approved Part B closure plan.

As discussed previously, 21 EMI temporarily suspended accepting additional wastes into the facility earlier this year and has focused on processing that existing inventory. Currently all waste storage tanks are empty and rinsed, and approximately 45,000 gallons of on-site treatable wastewater remains in the reactor/discharge tanks. This material will be processed as normal and discharged over the next few weeks. The filter cake generated will be sent off site.

21 EMI is requesting that RIDEM allow the scrubber system to be shut down and off-hours security terminated once the approximately 45,000 gallons of on-site treatable wastewater is processed and discharged. At that point, 21 EMI proposes to operate the scrubber only during the on-site treatment of decontamination rinsate.

If RIDEM would like to meet to discuss proceeding with the final closure, please contact me at (401) 781-6340.

Respectfully,

John Stiller
Area Manager, Regulatory Affairs

PHILIP SERVICES

INDUSTRIAL SERVICES GROUP

Eastern Region

August 26, 1999

Mr. Mark Dennen
RIDEM/Office of Waste Management
235 Promenade Street
Providence, RI 02908-5767

Mr. Dennen:

Thank you for meeting with Philip Services Corp. on August 23, 1999 concerning the closure of the 21st Century Environmental Management, Inc. Warwick, RI facility. The meeting focused on requests for variances during closure from several permit-driven operational requirements, and on the decontamination and disposition of the equipment and structures.

Enclosed is a summary of our discussions and justifications for the variances. If you have any questions, please contact me at (401) 781-6340.

Respectfully,

John Stiller
Area Manager, Regulatory Affairs

Enclosures

CLOSURE PROCEDURES
ADDENDUM TO CLOSURE PLAN
21 EMI FACILITY, WARWICK RI
August 26, 1999

I. General

This addendum provides further detail and describes necessary variances to the procedures described in the Hazardous Waste Closure Plan in Section 11.00 of the existing facility RCRA Part B permit. Included are the current status, key personnel, the anticipated closure sequence, decontamination/disposal decision matrix, decontamination standard and verification sampling procedures, documentation, and desired variances.

II. Current Status

Notification to initiate final closure was provided to RIDEM by letter dated July 27, 1999. Philip Services Corp. determined that wastes would no longer be received, therefore final closure activities as described in the approved Part B closure plan would begin in 45 days.

Earlier this year acceptance of additional wastes was temporarily suspended and efforts have been focused on processing that existing inventory. All waste storage tanks are empty and rinsed of residues, and all wastewater generated through inventory elimination has been discharged. Currently there are 4,000 gallons of decontamination rinsate on site. When rinsate volumes reach 10,000 gallons they will be discharged in batches to the POTW. Only treatment tanks P-2 and P-3 and discharge tanks D-1, D-2 and D-3 are being used. The remaining 4,000 pounds of filter cake will be sent off site per standard operations.

Hazardous materials (treatment chemicals) are limited to sulfuric acid (500 gals), sodium hydroxide (300 gals), sodium hypochlorite (1800 gals), sodium bisulfite (100 gals), sodium sulfide (100 lbs), ferrous sulfate (100 lbs), calcium hydroxide (450 lbs), and calcium chloride (1200 lbs). The liquids remain stored in their designated tanks each within separate containment areas. The remaining inventories will be used for rinsate treatment. Supplies of diatomaceous earth (300 lbs) and soda ash (4,000 lbs) remain available for spills.

Work has begun on dismantling piping and tanks that are no longer in service.

III. Key Personnel

The closure will be completed to the maximum extent possible using current facility staff. As required, an independent registered professional engineer has been retained to oversee closure activities. The key personnel follow.

Rick Belmont, Facility Manager	Project Manager
Rich Gaskill, Facility Supervisor	Project Supervisor
John Stiller, Regulatory Affairs Manager	Project Administrator
Mike Logan, Regulatory Affairs Director	Project QA/QC Administrator
Tom Dolce, Levine-Fricke-Recon	Independent Professional Engineer

At times it may be necessary to hire specific contractors to complete such activities as electrical decommissioning and large equipment removal. These personnel will be subject to the site safety and health plan established for this project, not the training plan found in the facility RCRA permit.

IV. Anticipated Closure Sequence

The RCRA permit closure plan describes specific closure milestones and anticipated completion dates initiated 45 days from agency notification of final closure. The entire closure process is to be completed within 180 days of initiation (7/27/99 + 45 days + 180 days). Therefore, the closure is expected to be complete by March 8, 2000. An extension is not currently anticipated.

The anticipated closure sequence generally follows that described in the closure plan. The initial step, waste inventory elimination, is complete. The subsequent steps vary as the majority of the waste processing equipment (tanks, piping) will be dismantled and disposed of as hazardous wastes debris rather than decontaminated for removal from hazardous waste service. Completion dates are currently being developed and will be communicated to RIDEM under separate cover.

ITEM	COMPLETION DATE
Inventory elimination complete	
Remove Goema panel, alarms, cyanide detection system	
Remove silver recovery unit	
Remove scrubber ducting to storage tanks and loading area	
Remove pre-scrubbers and Interel scrubbers (except Unit #4)	
Remove HW piping connecting tanks/reactors	
Clean and cap gravity unloading lines in truck bay	
Remove receiving area HW tanks and piping	
Remove HW storage tanks (S-series)	
Remove product storage tanks	

Remove filter press #2 conveyor system

Remove filter press #2

Remove sludge dryers

Remove reactor tanks not used for rinsate treatment

Dismantle laboratory

Remove remaining reactor tanks

Remove discharge tanks

Remove filter press #5

Decontaminate containment surfaces

Sample decontaminated surfaces for compliance

V. Decontamination/Disposal Decision Matrix

The majority of the waste processing equipment (tanks, piping) will be dismantled and disposed of as hazardous wastes debris rather than decontaminated for removal from hazardous waste service. However, certain hazardous waste equipment may be sent to other RCRA facilities for continued hazardous waste service. Additionally steel and other recyclable materials may be removed from the facility under the exclusions provided in 40 CFR 261.1 and 261.4.

Category		Example	Standard
Tier 1	Waste process equipment for disposal as HW contaminated debris.	Tanks, piping, pumps.	Cleaned of loose debris, not decontaminated. No confirmation sampling and analyses.
Tier 2	Waste process equipment for reuse in HW service	Filter presses, sludge dryers, mixers, pumps.	Cleaned of loose debris, not decontaminated. Safe for transport under manifest to HW facility.
Tier 3	Waste process equipment removed from HW service	Selected tanks	Decontaminated with confirmation sampling and analyses per closure plan.
Tier 4	Scrap metal.	Catwalks, pipe racks, bracing.	Cleaned of loose debris to standard of receiving facility. No confirmation sampling and analyses.

VI. Decontamination Standard and Verification Sampling Procedures

Containment surfaces and hazardous waste process equipment to be removed from hazardous waste service will be decontaminated in a three-step process. The first step is washing with a high-pressure steam cleaner using a detergent solution. This is followed by two rinse steps using the high-pressure steam cleaner without detergent. A sample of the second rinse will be collected for analyses to confirm decontamination is complete.

For each of the several containment areas throughout the facility (e.g. loading area, receiving area, filter-press area), random verification samples will be collected using a grid system.

Decontamination confirmation analyses will included those hazardous constituents associated with the hazardous waste codes historically handled at the facility. Characteristic waste codes (D-codes) are based on single hazardous constituents, which if present above a specific concentration, require the material to be characterized as a hazardous waste. The Universal Treatment Standards in 40 CFR 268.48 specify the constituent concentration to which the waste must be treated for land disposal.

Listed waste codes (F-codes) are source specific and are listed for the presence of one or several constituents. Unlike characteristic wastes there is not a specific hazardous constituent concentration at which the material becomes a listed hazardous waste. Again, the Universal Treatment Standards in 40 CFR 268.48 specify the constituent concentration to which the waste must be treated for land disposal.

Decontamination will be considered complete when confirmation sample analyses indicate the hazardous constituents are below the Universal Treatment Standards specified in 40 CFR 268.48. The following table provides information on the waste codes and associated hazardous constituents historically accepted at the facility.

Waste Code	Constituent	Characteristic Level - 40 CFR 261.24	Treatment Stds 40 CFR 268.40 (wastewater)	Universal Treatment Stds 40 CFR 268.48	Lab MDL (typical)
D004	Arsenic	5.0	1.4	1.4	0.10
D005	Barium	100	1.2	1.2	0.2
D006	Cadmium	1.0	0.69	0.69	0.02
D007	Chromium (total)	5.0	2.77	2.77	0.05
D008	Lead	5.0	0.69	0.69	0.10
D009	Mercury	0.2	0.15	0.15	0.001
D010	Selenium	1.0	0.82	0.82	0.10
D011	Silver	5.0	0.43	0.43	0.02

Waste Code	Constituent	Characteristic Level – 40 CFR 261.24	Treatment Stds 40 CFR 268.40 (wastewater)	Universal Treatment Stds 40 CFR 268.48	Lab MDL (typical)
F006, F007, F008, F009, F011, F012	Cadmium	n/a	0.69	0.69	0.02
	Chromium (total)	n/a	2.77	2.77	0.05
	Cyanide (total)	n/a	1.2	1.2	0.05
	Cyanide (amenable)	n/a	0.86	0.86	n/a
	Lead	n/a	0.69	0.69	0.10
	Nickel	n/a	3.98	3.98	0.04
	Silver	n/a	0.43	0.43	0.02
F010	Cyanide (total)	n/a	1.2	1.2	0.05
	Cyanide (amenable)	n/a	0.86	0.86	n/a
F019	Chromium (total)	n/a	2.77	2.77	0.05
	Cyanide (total)	n/a	1.2	1.2	0.05
	Cyanide (amenable)	n/a	0.86	0.86	n/a

Confirmation samples will be analyzed at an off-site laboratory certified by RIDOH. The primary laboratory selected is RI Analytical. Mitkem and Northland Environmental may be used as secondary laboratories.

VII. Documentation

Documentation and records will be kept of all closure activities and decisions. A logbook will be maintained by the Project Manager/Project Supervisor. These are necessary for coordinating the step-wise and final closure certifications required by the independent professional engineer and Philip Services. Records required to be maintained after closure per the RCRA permit will be organized during closure and stored off site. Records required during closure activities include the following.

- Agency correspondence and notifications.
- Other related correspondence.
- Log book of all closure activities and decisions.
- Outgoing manifests and bills of lading for hazardous wastes and hazardous materials.
- Listing of equipment and disposition.
- Sample locations and analytical results (includes QA/QC).

VIII. Variances Requests

Several variances from the normal permit driven requirements are desired during closure operations. These include air scrubber operation, site security, cyanide detection equipment and alarms, staffing levels, and facility inspection schedules.

The basis for these variances is that all concentrated wastes have been treated and removed from the facility and any further treatment would involve minimal volumes of dilute rinsates at or below the POTW discharge limits. Further the inventory of hazardous materials (treatment chemicals) is very limited and the remaining inventories will only decrease as rinsates are treated.

Philip is requesting that the main scrubber, interels and pre-scrubbers be shut down now. The "German" scrubber (#4) and its associated pre-scrubber will be operated only during the treatment of decontamination rinsate.

Site security during non-operational hours will be assured by locking entrance doors to the facility. The electronic card access security gate to the facility grounds will remain in operation.

The cyanide detection equipment and alarms alerting the presence of hydrogen cyanide gas will be disconnected, as there are no cyanides on site (maximum concentration is <0.5 ppm and below OSHA levels).

As the facility is no longer operational overall staffing levels will be reduced from a minimum of four employees to three during closure activities. Wastes are no longer accepted and any remaining rinsate requires minimal treatment for discharge on site. As well, the on-site laboratory is no longer used for waste and wastewater treatment analyses. The remaining employees completing closure activities are trained in hazardous waste operations.

The permit contains over 25 different inspection schedules required when the facility is fully operational. The majority of the equipment and areas covered under these schedules are no longer in service. During the closure period a single inspection schedule will be used that will address security, emergency equipment, note which tanks contain rinsate, and verify that there are no leaks/spills. The proposed schedule is enclosed.

MONTH: _____

Closure Inspection Schedule - 21 EMI

DATE	PLANT SECURITY: fence, gates, doors	RECV'G AREA: sumps, containment	TANK STORAGE: sumps, containment	PROCESS AREA: sumps, containment	EMER. EQUIP.: extinguishers, first aid, showers	COMMENTS
1						
2						
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PHILIP SERVICES

INDUSTRIAL SERVICES GROUP

Eastern Region

August 27, 1999

CERTIFIED MAIL

Chair of the Eticam Oversight Committee
c/o Mayor's Office
Warwick City Hall
3275 Post Road
Warwick , RI 02886

RE: Siting Agreement

Per 40 CFR 264 Subpart G, 21st Century Environmental Management, Inc. (formerly "Eticam") has made a timely and proper notification to the RI Department of Environmental Management (RIDEM) that the 21 EMI hazardous waste management facility located at 25 Graystone Street, Warwick RI is ceasing operations.

This letter serves to terminate the August 1986 Siting Agreement (as amended) made between the City of Warwick and 21 EMI. 21 EMI will consider the Siting Agreement to be terminated following 15 days from the date of this letter.

If you have any questions, please contact me at (401) 781-6340.

Respectfully,

John Stiller
Area Manager, Regulatory Affairs

cc: Mr. Mark Dennen - RIDEM

"Helping Clients Attain a Competitive Advantage in a Global Market"

275 ALLENS AVENUE, PROVIDENCE, RI 02905, USA (401) 781-6340 FAX (401) 781-9710

RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767 TDD 401-831-5508

August 31, 1999

John Stiller, Area Manager Regulatory Affairs
Philip Services Inc.
275 Allens Ave.
Providence, RI 02905

RE: Planned Shutdown of Main Scrubber, 21st Century EMI
25 Graystone St., Warwick

Dear Mr. Stiller:

I am writing to you as per your correspondence received by this Office on July 28, 1999. In this correspondence, you requested permission to shut down the main scrubber system. In a meeting with Mark Dennen and Ted Burns of our Department on August 23, 1999, you indicated that this air pollution control device is no longer needed. This is because the facility does not currently accept any hazardous wastes and the facility's inventory of hazardous wastes have been processed at the facility. It is our understanding that the KT-Gaswascher NAV GR800 unit will be kept active and will be used to treat equipment rinsate and any other residual wastes generated at the facility.

Based on the representations discussed above, the Department approves of the shutdown of the main scrubber system provided 21st Century EMI operates the remaining units in accordance with the existing permit and all applicable RIDEM regulations.

If you have further questions, please contact Mark M. Dennen at (401) 222-2797 ext. 7112 or by e-mail at mdennen@dem.state.ri.us.

Sincerely,

Leo Hellested, Chief
Office of Waste Management

RECEIVED
AUG 31 1999

cc: Doug McVey, Office of Air Resources
Mark M. Dennen, Office of Waste Management
File

RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767 TDD 401-831-5508

September 8, 1999

John Stiller, Area Manager Regulatory Affairs
Philip Services Inc.
275 Allens Ave.
Providence, RI 02905

RE: **Operational Changes related to RCRA Closure at 21st Century EMI**

Dear Mr. Stiller:

I am writing to you as per your request of 26 August 1999. In this letter you proposed treatment standards for decontamination of sumps and equipment formerly used for containing listed hazardous waste. Also you proposed adjusting security, staffing levels and alarms to be reflective of a remediation operation as opposed to facility operation.

1. **Decontamination Standards**
   The methodology proposed calls for sampling equipment rinsate to determine compliance with the wastewater treatment standards. We are still researching the issue, but are concerned that this methodology may not be appropriate for the concrete sumps, as this porous material may be contaminated with hazardous waste, but the contamination may not be detected in the rinsate. We would propose, as an alternative that borings be made in the sumps. These borings could be crushed, analyzed and compared to relatively "clean" concrete in other areas of the building that are not suspected to be impacted by a release.

2. **Inspection Checklist**
   As the tanks are being removed and waste is no longer being accepted and processed at the facility, we believe a new checklist is warranted. The checklist you submitted should be modified to include checking the condition and contents of tanks P2 and P4 (the two tanks still in service processing rinsate).

3. **Staffing Levels**
   As the facility operations currently resemble site remediation, it is appropriate that the staffing levels and training be reflective of a remediation scenario. This Office is willing to allow the site to be unstaffed when operations are not ongoing provided the following conditions are met when the facility is unstaffed:

   - No treatment or discharge is occurring
   - The doors of the facility and the gate are locked

RECEIVED
SEP 10 1999
Stiller

4. **Cyanide Alarm System**
   This Office agrees that since all of the cyanide waste has been removed the cyanide detection system is no longer necessary.

If you have further questions, please contact Mark M. Dennen at (401) 222-2797 ext. 7112 or by e-mail at mdennen@dem.state.ri.us.

Sincerely,

Leo Hellested, Chief
Office of Waste Management

cc: Stephen Yee, USEPA Region 1
Mark M. Dennen, Office of Waste Management
File

Settlement Agreement and Mutual Release of Claims

1. The parties to this Agreement are the City of Warwick ("Warwick") and 21st Century EMI. Philip Services Corporation ("PSC") is the parent corporation of 21st Century EMI.

2. A dispute exists as to whether PCS is in breach of an August 4, 1986 contract entered into between Eticam Corporation, a predecessor in interest to PCS, and the Warwick Local Assessment Committee, acting on behalf of Warwick.

3. The parties to this agreement have agreed to settle this dispute themselves, with a payment from PSC to Warwick of $30,000.00, said payment to be made at the execution of this agreement.

4. Warwick, on behalf of their successors and assigns, accept the amount stipulated in Paragraph Number 3 as full settlement, and hereby release PSC and its officers, employees, attorneys, agents, representatives, affiliates, successors and assigns from any and all claims, debts, obligations, accounts, contracts, agreements, covenants, controversies, judgments, damages, counterclaims, liabilities, torts, demands, causes of action and/or suits of any and every nature which Warwick may have or claim in any way related to or arising from the contract with PSC referenced in Paragraph Number 1.

5. This agreement shall not be construed as an admission of any legal liability on the part of any of the parties, it being understood that this is a settlement by compromise. This release and settlement shall operate for the benefit of all parties herein released and all of their respective agents and servants and all those in interest with them, and their personal representative, successors and assigns and each of them, and shall be binding on the successors and assigns of each and all parties.

6. The representative Warwick, by signing below, represents that he or she has authority to execute this agreement on behalf of Warwick.

7. Paul Taveira, Vice-President and Business Manager of PSC, represents that he has the authority to execute this agreement on behalf of PSC.

8. This release contains the entire agreement between the parties hereto. The terms of this release are contractual and not a mere recital. The undersigned parties have carefully read and understand the contents of this release.

Paul Taveira
Philip Services Corporation

1/27/00

Ernest M. Zmyslinski
Representative for the City of Warwick

PHILIP SERVICES

INDUSTRIAL SERVICES GROUP

Eastern Region

February 9, 2000 CERTIFIED MAIL

Mr. Mark Dennen
RIDEM/Office of Waste Management
235 Promenade Street
Providence, RI 02908-5767

Mr. Dennen:

By letter dated July 27, 1999 Philip Services Corp. provided written notification to RIDEM of the initiation of final closure of the 21st Century Environmental Management, Inc. of RI hazardous waste facility located at 25 Graystone Street, Warwick RI.

The RCRA Part B permit closure plan describes specific closure milestones and anticipated completion dates initiated 45 days from agency notification of final closure. The closure process is to be completed within 180 days of initiation (7/27/99 + 45 days + 180 days = March 9, 2000).

This letter serves to request a 180-day extension for the completion of closure activities to include facility wide decontamination and assembly of the final closure report. All wastes were removed from the facility by October 1999 and removal of facility equipment is nearly complete. It is not anticipated that these final steps will require the full 180-day extension requested.

For your records, on January 27, 2000 Philip Services Corp. and the City of Warwick signed a mutual release of claims thereby terminating the August 1986 Siting Agreement (as amended) described and included in the facility RCRA Part B permit.

If you have any questions, please contact me at (401) 781-6340.

Respectfully,

John Stiller
Area Manager, Regulatory Affairs

Closure21.doc.jds

RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767 TDD 401-831-5508

March 7, 2000

John Stiller, Area Manager
Philip Services Group
275 Allens Ave.
Providence, RI 02905

RE: Closure Period Extension Request of February 9, 2000

Dear Mr. Stiller:

The Office of Waste Management is in receipt of your request for a 180 day extension for the closure of the 21st Century Environmental Management Inc. of RI hazardous waste facility located on 25 Graystone Street in Warwick.

We have reviewed your request and are hereby granting an extension until September 5, 2000 in accordance with 40 CFR 264.113 (b)(1). It is expected that final closure will be completed by that date, with the exception of any monitoring that may be required.

Please contact Mark Dennen at (401) 222-2797 extension 7112 if you need further information.

Sincerely,

Leo Hellested, Chief
Office of Waste Management

RECEIVED
MAR 10 2000

RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767 TDD 401-831-5508

RECEIVED
MAR 10 2000
Stiller

March 7, 2000

John Stiller, Area Manager
Philip Services Group
275 Allens Ave.
Providence, RI 02905

RE: Cleanup Levels for Concrete at 21st Century Warwick Facility

Dear Mr. Stiller:

In accordance with your original correspondence of August 26, 1999, and other inquiries since then, we have research the issue of sampling criteria for concrete and have developed the following conclusions:

1. While TCLP is meaningful for characterizing the RCRA classification of the waste, we believe total metals analysis is more in keeping with our policies for remediation and risk assessment, therefore we will require total metals analysis for these samples.

2. Consistent with other cleanups of this nature, the Department has developed the remediation goals listed in the following table:

Remediation Goals for Concrete

Contaminant	mg/kg (total)
Arsenic	3.8
Barium	10,000
Cadmium	1,000
Chromium III	10,000
Chromium VI	64
Lead	500
Mercury	610
Selenium	10,000
Silver	10,000

3. During an inspection of March 1, 2000, we spoke about sampling methodologies (preferentially

sampling cracks, stained areas, sumps, etc.). You are however required to submit a comprehensive sampling verification plan and to have such a plan approved by this office prior to initiation of sampling.

Please contact me at (401) 222-2797 extension 7112 if you have any questions or concerns.

Sincerely,

Mark M. Dennen, Sr. Environmental Scientist
Office of Waste Management

cc: Leo Hellested, Chief

PHILIP SERVICES

INDUSTRIAL SERVICES GROUP

Eastern Region

March 15, 2000

Mr. Mark Dennen
RIDEM/Office of Waste Management
235 Promenade Street
Providence, RI 02908-5767

Mr. Dennen:

Thank you for meeting with Philip Services Corp. on March 1, 2000 concerning the concrete sampling criteria and clean up levels for final closure of the 21st Century Environmental Management, Inc. Warwick, RI facility.

Per RIDEM's March 7, 2000 letter regarding the above matter, enclosed is the proposed decontamination verification sampling plan. Philip Services Corp. is ready to begin sampling in the process, filter press, and storage areas.

If you have any questions, please contact me at (401) 781-6340.

Respectfully,

John Stiller
Area Manager, Regulatory Affairs

Enclosures

Closure21.doc.jds

DECONTAMINATION VERIFICATION SAMPLING PLAN

Addendum to Closure Plan
21 EMI Facility, Warwick RI

March 15, 2000

This document describes the verification sampling procedures to demonstrate the adequacy of the hazardous waste containment system decontamination necessary to fulfill the clean closure requirements under the RCRA closure of the 21 EMI Warwick facility. The clean up levels listed below were provided and approved by RIDEM by letter dated March 7, 2000.

The current approved closure plan describes that decontamination rinse waters samples from several locations throughout the facility would be analyzed to demonstrate that the decontamination was sufficient. RIDEM and 21EMI agree that analysis of the concrete chip samples taken from containment areas is more appropriate given that concrete is porous. Further, the facility containment sumps and trenches are the areas most likely impacted from past operations, and chip samples taken in these areas would represent and demonstrate the adequacy of the decontamination.

Samples will be taken at bias locations, specifically sumps and trenches in the separate and various portions of the facility. Samples will be further biased at these locations to cracks, worn areas, and stained areas. The following sections contain the sampling procedures, a table with a complete listing of the sample locations, and the RIDEM clean up levels.

I. SAMPLING PROCEDURES

- Prior to sampling all containment areas will be decontaminated by repeated high-pressure washing using TSP (tri-sodium phosphate) and/or boric acid solutions followed by rinsing with clean water.
- If the concrete is coated at the sample location the coating will be removed prior to sampling.
- Chip samples will be removed using an air-powered chisel. The chisel will be cleaned prior to sampling at each new location (detergent and potable water rinse). A cardboard box or similar device will be placed around the sample location to prevent the concrete chips from scattering and to ease in collecting the sample.
- The target sample size will be 250 ml by volume.
- The sample depth will be from approximately 0.6 cm to 5.0 cm.
- Samples will be placed in new laboratory clean sample jars, labeled and submitted to the off-site laboratory using standard chain-of-custody procedures.
- Samples will not be composited with other samples from different locations.
- Samples will be analyzed at an RIDOH licensed off-site laboratory for the parameters provided by RIDEM and for pH.

II. SAMPLING LOCATIONS AND SAMPLE IDENTIFICATION

Samples will be taken at specific bias locations listed in the table below. The samples will be identified using an alphanumeric system as follows, and their locations will be indicated on a drawing included with the closure documentation. This system identifies the general area of the facility, the location of the sample (sump or trench), and the sequential number. If re-sampling is necessary, the letter "R" and a number will follow the sequential number.

General Area

PR – Process Area
FP – Filter Press Area
ST – Storage Area
DR – Dryer Room
SC – Scrubber Room
DI = Discharge Room
RE = Receiving Area
TB = Truck Bay

Sub-Designations

/ AC – Acid
/ AK = Alkali
/ CN = Cyanide
/ AKCN = Alkali/Cyanide
/ PD = Product (treatment chemicals)

Sample Location

- S = Sump
- T – Trench

Sequential Number

- 01 – First Sample
- 02 – Second Sample

Resample Designation

- R1 = First Resample
- R2 = Second Resample

Sample ID	Description
PR-S-01	Main sump in reactor area near former tank P-2.
PR-S-02	Old discharge block near former tank P-9.
PR-T-01	Bias sample in trench in reactor area. To be field selected.
PR-T-02	Bias sample in trench in reactor area. To be field selected.
PR-T-03	Bias sample in trench in reactor area. To be field selected.
FP-S-01	Main sump in high-pressure filer press area.
FP-T-01	Bias sample in trench in high-pressure filer press area. To be field selected.
FP-T-02	Bias sample in trench in high-pressure filer press area. To be field selected.
FP-T-03	Bias sample in trench in high-pressure filter press area. To be field selected.
ST/CN-S-01	Cyanide storage area sump.
ST/CN-S-02	Cyanide spillage storage area sump.
ST/CN-T-01	Bias trench sample in either of two CN storage areas. To be field selected.
ST/AC-S-01	Acid storage area sump.
ST/AC-T-01	Bias sample in trench in the acid storage area. To be field selected.
ST/AK-S-01	Alkali storage area sump.

Sample ID	Description
ST/AK-T-01	Bias sample in trench in the alkali storage area. To be field selected.
ST/PD-S-01	Peroxide product storage tank sump.
ST/PD-S-02	Bleach product storage tank sump.
ST/PD-S-03	Sulfuric acid product storage tank sump.
ST/PD-S-04	Caustic product storage tank sump.
DR-S-01	Dryer room main floor sump.
SC-S-01	Scrubber room main floor sump.
DI-S-01	Main sump in separate discharge room (former location of tanks D1-D3).
DI-S-02	Sump near former location of tank D4.
DI-S-03	Discharge sump to POTW.
RE/AKCN-S-01	Sump in alkali/cyanide side of receiving tank area.
RE/AC-S-01	Sump in acid side of receiving tank area.
RE-S-01	Receiving area main floor sump.
TB/AKCN-S-01	Sump in alkali/cyanide side of truck unloading area.
TB/AC-S-01	Sump in acid side of truck unloading area.
30 SAMPLES TOTAL	

III. CLEAN UP LEVELS

The below clean up levels were provided and approved by RIDEM by letter on March 7, 2000. Containment decontamination for the purpose of achieving a clean closure will be considered complete when the analytical results of all samples in each area are below the values indicated.

COMPOUND	RIDEM STD (mg/kg - total)
Arsenic	3.8
Barium	10,000
Cadmium	1,000
Chrome +3	10,000
Chrome +6	64
Lead	500
Mercury	610
Selenium	10,000
Silver	10,000

RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767 TDD 401-831-5508

March 30, 2000

John Stiller, Area Manager, Regulatory Affairs
Philip Services
275 Allens Ave.
Providence, RI 02905

RE: Decontamination Verification Sampling Plan dated 3/15/2000

Dear Mr. Stiller:

The Department has reviewed the above referenced sampling plan. We are prepared to approve that plan with the following conditions:

1. The Department must be notified at least 72 hours prior to the commencement of sampling activities.

2. The Department reserves the right to take split samples at the time of sampling.

3. Where trenches show no evidence of significant cracking staning or corrosion, chip samples should be collected as near to the surface as possible (0-2 cm). Where cracks, stains or corrosion exists, the samples should be collected from a depth of 0 to 5 cm in the suspect area.

If you have any questions or concerns, please contact me at (401) 222-2797 ext. 7112 or by e-mail at mdennen@dem.state.ri.us.

Sincerely,

Mark M. Dennen, Sr. Environmental Scientist
Office of Waste Management

RECEIVED
APR 03 2000
Stiller

cc: Leo Hellested, Chief, Office of Waste Management

30% post-consumer fiber

APPENDIX 2

Professional Engineer Project Log

Appendix 2 Professional Engineer Project Log

Date of Visit	Purpose of Visit
August 18, 1999	Meeting to initiate closure reviews. Toured facility.
September 1, 1999	Facility visit and tour to review closure status. Reviewed remaining waste inventory with R. Belmont (PSC). All waste storage tanks except effluent tanks were empty. Observed waste tanks being cut and placed into rolloff for off-site shipment.
September 8, 1999	Facility visit and tour to review closure status. Observed waste tanks being cut and placed into rolloffs for off-site shipment. Pictures taken.
September 16, 1999	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule. Storage tanks removed and pieces in rolloffs. Tank transfer piping also cut up and in rolloffs. Reviewed manifests for off-site shipments.
September 22, 1999	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule and equipment list. Additional tanks R-1, R-2, R-4 and R-5 cut up and in rolloffs.
October 7, 1999	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule and equipment list. Obtained manifest copy for 9/20/99 shipment. Unloading area piping (under concrete) has been flushed. Contractor to clean further.
October 14, 1999	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule and equipment list. Ongoing removal of equipment including roof blowers, piping ductwork and tanks. Four rolloffs onsite containing removed equipment.
October 27, 1999	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule and equipment list. Steps 1 through 3 of closure schedule complete. Two rolloffs shipped on 10/18/99 and two on 10/27/99.
November 9, 2000	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule and equipment list. Lab cleaned out. Reactors scheduled to be cut up end of November. Filter press #2 decontaminated per closure plan. Tanks P-8, P-9 and P-10 removed.
November 18, 2000	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule and equipment list. Obtained manifest copy for 11/1/99 shipment. Tank D-1 discharged to sewer on 11/16/99. Tank D-2 to be discharged today. These are the final discharges. Filter Press # 2 shipped to Nevada on 11/10/99. Working on dismantling treatment tanks (reactors).

Date of Visit	Purpose of Visit
December 1, 1999	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule and equipment list. Reactors being cut up. Sludge dryers will be decontaminated per closure plan and sold.
December 8, 1999	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule and equipment list. Four sludge dryers cleaned but inspection revealed residue. Requested they be re-cleaned. Obtained manifest copies for two rolloffs shipped on 11/18/99.
December 22, 1999	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule and equipment list. All waste storage and treatment tanks removed. Sludge dryers re-cleaned and appear properly decontaminated per closure plan. Lab analyses on rinsewater acceptable.
January 26, 2000	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule and equipment list. Received manifest copy for 1/14/00 rolloff shipment. All tanks (includes product storage) removed except effluent holding tanks.
February 16, 2000	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule and equipment list. Received manifest copies for several rolloffs. Power washing commenced on 2/15/00 and ongoing today.
February 29, 2000	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule and equipment list. Received manifest copies for rinsewaters from Tank D-1 and for rolloffs, and BOLs for various non-hazardous equipment. Discussed concrete sampling. Entire processing area has been power washed. M. Dennen from RIDEM present at this visit.
March 8, 2000	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule and equipment list. Three ion exchange columns have been decontaminated per closure plan. Lab analyses on final rinsewater acceptable.
April 5, 2000	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule and equipment list. Reviewed concrete chip sampling approval letter from RIDEM. Main scrubber still being decontaminated. Received manifest copies for offsite shipments of power washing rinsewaters and other equipment/materials.

Date of Visit	Purpose of Visit
April 19, 2000	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule and equipment list. Tank D-1 decontaminated and visually checked. Concrete decontamination verification chip sampling to start in May.
May 10, 2000	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule. Start of concrete chip sampling. M. Dennen of RIDEM present to select exact sample locations within sumps and trenches.
May 17, 2000	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule. Reviewed tanks D-2 and D-3 decontamination rinsewater results. All but five concrete chip samples collected.
June 14, 2000	Facility visit and tour to review closure status. Met with PSC personnel and reviewed progress per closure schedule. Gravity drain piping under floor in receiving area decontaminated by contractor and rinsewater samples collected. All concrete chip samples except truck bay sumps have been collected.
June 21, 2000	Site visit and meeting with PSC personnel to review chip sampling results. Gravity drain piping rinsewater analyses acceptable.
July 5, 2000	Discussed arsenic results for 18 of 30 concrete chip samples with PSC personnel. High MDL by 6010 method at issue. Samples to be reanalyzed by Method 200.9 as were the remaining 12 samples.
August 8, 2000	Discussed Method 200.9 arsenic results for 18 of 30 concrete chip samples with PSC personnel. Two areas were above clean up level and require re-cleaning/re-sampling.
August 28, 2000	Discussed results of two re-samples. One location was below the clean up level and one location was above requiring re-cleaning/re-sampling.
September 8, 2000	Discussed results of one re-sample. Results are below clean up level.
August/Sept. 2000	Work with PSC to complete Final Closure Report.

APPENDIX 3

Manifests - Waste Inventory Elimination

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767
(401) 277-2797

N1455

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Expired 9/30/93

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 Manifest Document No. 34120

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by state law.

A. State Manifest Document Number: RIS 0034120

3. Generator's Name and Mailing Address
21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

B. Generator/Site Address: SAME

5. Transporter 1 Company Name: 21ST CENTURY ENV MGT INC, OF RI
6. US EPA ID Number: R I D 9 8 0 9 0 6 9 8 6

7. Transporter 2 Company Name
8. US EPA ID Number

C. State Transporter ID/License Plate: 5518 RI

D. Transporter's Phone: 401-738-3262

9. Designated Facility Name and Site Address
NORTHEAST ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905
10. US EPA ID Number: R I D 0 4 0 0 9 8 3 5 2

E. State Transporter ID/License Plate:
F. Transporter's Phone: SAME
G. Facility Mailing Address:
H. Facility's Phone: 401-781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. NON DOT/RCRA HAZ LIQUID NONE,PG III, (SODIUM ACETATE),(NONE)	002	BU DF	00010	G	NONE
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. 3032143 2X5 DF
b.
c.
d.
EMERGENCY PHONE - (401)781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c.	
b.		d.	

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; or, if I am a small quantity, I have made good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: DANIEL ANDERSON
Signature: Daniel Anderson
Date: Month Day Year 08 30 99

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John Medeiros
Signature: John Medeiros
Date: Month Day Year 08 30 99

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Elaine Tibbetts
Signature: Elaine Tibbetts
Date: Month Day Year 08 30 99

GENERATOR
TRANSPORTER
FACILITY

COPY 3: Facility Mails to Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIS 0034120

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

(RI) 14958

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767
(401) 277-2797

N1455

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0039 Expires 9/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 4 — Manifest Document No. 34121
2. Page 1 of 1
Information in the shaded areas is not required by federal law, but may be required by state law

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

A. State Manifest Document Number: RIS 0034121

4. Generator's Phone (401) 738-3262

B. Generator/Site Address: SAME

5. Transporter 1 Company Name: 21ST CENTURY ENV MGT INC, OF RI
6. US EPA ID Number: R I D 9 8 0 9 0 6 9 8 6

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. State Transporter ID/License Plate: 51518 RI

9. Designated Facility Name and Site Address: NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905
10. US EPA ID Number: R I D 0 4 0 0 9 8 3 5 2

D. Transporter's Phone: 401 738-3261
E. State Transporter ID/License Plate:
F. Transporter's Phone:
G. Facility Mailing Address: SAME
H. Facility's Phone: 401 781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. NON DOT/RCRA HAZ LIQUID NONE, (AMMONIUM THIOSULFATE)	002	DF	00010	G	N/A
b. RQ HAZARDOUS WASTE, LIQUID, N.O.S.,9,NA3082, PG III,(SILVER,AMMONIUM THIOSULFATE),(D011)	001	DF	00055	G	D011
c. AMMONIA SOLUTIONS, ~~NOT DOT REGULATED~~, 8, UN2672, PG III, (AMMONIA HYDROXIDE)	004	DF	00020	G	N/A
d.					

J. Additional Descriptions for Materials Listed Above
a. 3038963 2x5 DF
b. 3036843 1x55 DF
c. 3037191 4x5 DF
d. EMERGENCY PHONE (401) 781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c. S01	
b. S01		d.	

15. Special Handling Instructions and Additional Information

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Printed/Typed Name: DANIEL ANDERSON — Signature: [signature] — Date: Month Day Year 08 30 99

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John Medeiros — Signature: [signature] — Date: Month Day Year 08 30 99

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Elaine Vitelli — Signature: [signature] — Date: Month Day Year 08 30 99

GENERATOR — TRANSPORTER — FACILITY

COPY 3: Facility Mails To Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIS 0034121

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

(401) 1-14959

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

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NL765

Form Approved. OMB No. 2050-0039 Expired 9/30/89

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R·I·D·9·8·0·9·0·6·9·8·6 Manifest Document No. 35248

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by state law.

3. Generator's Name and Mailing Address 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

5. Transporter 1 Company Name: 21ST CENTURY ENV MGT INC, OF RI
6. US EPA ID Number: R·I·D·9·8·0·9·0·6·9·8·6

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address: NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905
10. US EPA ID Number: R·I·D·0·4·0·0·9·8·3·5·2

A. State Manifest Document Number: RIS 0035248

B. Generator/Site Address: SAME

C. State Transporter ID/License Plate: 20827 MA

D. Transporter's Phone: 401-738-3261

E. State Transporter ID/License Plate:

F. Transporter's Phone:

G. Facility Mailing Address: SAME

H. Facility's Phone: 401 781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED, (COMPRESSOR OIL) (NONE)	001	DF	00055	G	NONE
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. 3026571 VCS DF
b.
c.
d.
EMERGENCY PHONE (401)781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c.	
b.		d.	

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
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Printed/Typed Name: DAVID ANDERSON
Signature:
Date: Month Day Year 10 24 89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John Medeiros
Signature:
Date: Month Day Year 10 24 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Elaine Petrucci
Signature: Elaine Petrucci
Date: Month Day Year 10 24 89

GENERATOR
TRANSPORTER
FACILITY

COPY 3: Facility Mails To Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIS 0035248

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

N1962

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Form Approved. OMB No. 2050-0039 Expires 9/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 — Manifest Document No. 25 5 1 2

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by state law.

A. State Manifest Document Number: RIS 0035542

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC. OF RI, 25 GREYSTONE STREET, WARWICK RI 02886

4. Generator's Phone: (401) 738-3262

B. Generator/Site Address: SAME

5. Transporter 1 Company Name: 21ST CENTURY ENV MGT INC. OF RI

6. US EPA ID Number: R I D 9 8 0 9 0 6 9 8 6

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter ID/License Plate: 20327, Ma

D. Transporter's Phone: 401 738-3261

E. State Transporter ID/License Plate

F. Transporter's Phone

9. Designated Facility Name and Site Address: NORTHLAND ENVIRONMENTAL, INC., 275 ALLENS AVE, PROVIDENCE RI 02905

10. US EPA ID Number: R I D 0 0 4 0 0 9 8 3 5 2

G. Facility Mailing Address: SAME

H. Facility's Phone: 401-781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Zinc Powder, 4.3, UN1436, PGIII DOT-E 11153 (D001, D003)	001	DF	00001	P	D003 D001
b. Waste Sodium Hydrosulfite, 4.2, UN1384, PGII (D001) DOTE-11153	001	DF	00002	P	D001
c. Waste Carbon, Activated, 4.2, UN1362, PGIII (D001) DOTE-11153	001	DF	00005	P	D001
d. Non DOT / RCRA Regulated Material	001	DM	00086	P	None

J. Additional Descriptions for Materials Listed Above

a. 3P36844(1x05, DF)PK(RI)S b. 3P36844(1x05, DF)PK(2)S

c. 3P36844(1x05, DF)PK(1)S d. 3P36844(1x55, DM)PK

EMERGENCY PHONE (401) 781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c. S01	
b. S01		d. S01	

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
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Printed/Typed Name: Kathleen J. Belanger — Signature — Date: Month 1 Day 10 Year 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Seth Whalley — Signature — Date: Month 1 Day 10 Year 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name — Signature — Date: Month Day Year

GENERATOR — TRANSPORTER — FACILITY

COPY 3: Facility Mails To Generator

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RIS 0035542

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

N19662

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

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Form Approved. OMB No 2050-0039 Expires 9/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 — Manifest Document No. 035543

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by state law.

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GRAYSTONE STREET
WARWICK RI 02886

4. Generator's Phone: 401 738-3262

5. Transporter 1 Company Name: 21ST CENTURY ENV MGT INC, OF RI
6. US EPA ID Number: R I D 9 8 0 9 0 6 9 8 6

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address: NORTHEAST ENVIRONMENTAL, INC
275 ACTERS AVE
PROVIDENCE RI 02905
10. US EPA ID Number: R I D 0 4 0 0 9 8 3 5 2

A. State Manifest Document Number: RIS 0035543

B. Generator/Site Address: SAME

C. State Transporter ID/License Plate: 20827 MA

D. Transporter's Phone: 401 738-3261

E. State Transporter ID/License Plate

F. Transporter's Phone

G. Facility Mailing Address: SAME

H. Facility's Phone: 401 781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Toxic Liquid, Organic, N.O.S., 6.1, UN2810, PG III (Pyridine, Phenol)	001	DF	00010	P	U144 U188 U196
b. RQ Waste Toxic Solid, Inorganic, (D008) N.O.S., 6.1, UN3288, PG III (Lead, Lead Oxide)	001	DM	00187	P	D008 D007
c. Waste Toxic Solid, Corrosive, Inorganic, N.O.S., 6.1, UN3290, PG III (Sodium Sulfide) DOTE-11153	001	DF	00002	P	D003 R004
d. Waste Corrosive Liquid, Toxic, N.O.S., 8, (Cadmium) DOTE-10441, UN2922, PG II (H2 diFluoric Acid) DOTE-11153	002	DF DM	00225	P	U134 D002 D006 R004

J. Additional Descriptions for Materials Listed Above
a. 3P36844(1x05, DF)PK(T)L
b. 3P36844(1x55, DM)PK(E)S
c. 3P36844(1x05, DF)PK(R)S
d. 3P36844(1x55, DM, 1x16, DF)PK(C,T)L
EMERGENCY PHONE (401)781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c. S01	
b. S01		d. S01	

15. Special Handling Instructions and Additional Information

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Printed/Typed Name: Michael J. Belmont — Signature — Date: Month 11 Day 01 Year 99

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Seth Whalley — Signature — Date: Month 11 Day 01 Year 99

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name — Signature — Date: Month Day Year

GENERATOR — TRANSPORTER — FACILITY

COPY 3: Facility Mails To Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIC 000035543

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

N19e2

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 Manifest Document No. 35544

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by state law.

A. State Manifest Document Number: RIS 0035544

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI, 25 GREYSTONE STREET, WARWICK RI 02886

4. Generator's Phone: (401) 738-3262

B. Generator/Site Address: SAME

5. Transporter 1 Company Name: 21ST CENTURY ENV MGT INC OF RI

6. US EPA ID Number: R I D 9 8 0 9 0 6 9 8 6

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter ID/License Plate: 20327, Ma

D. Transporter's Phone: 401 738-3261

9. Designated Facility Name and Site Address: NORTHLAND ENVIRONMENTAL, INC, 275 ALLEN AVE, PROVIDENCE RI 02905

10. US EPA ID Number: R I D 0 4 0 0 9 8 3 5 2

E. State Transporter ID/License Plate

F. Transporter's Phone

G. Facility Mailing Address: SAME

H. Facility's Phone: 401 781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Corrosive Liquid, Oxidizer, n.o.s. 8, UN3093, II DOT-E10411 DOT-E11153 (D001 D002)	001	DF	00030	P	D002 D001 D001 D002
b. Waste Corrosive Liquid, Basic, Organic, n.o.s. 8, UN3267, II DOT-E11153 (D002)	001	DM	00180	P	D002
c. Waste Corrosive Liquid, Basic, Inorganic, n.o.s. 8, UN3266, II DOT-E11153 (D002)	001	DM	00150	P	D002 R001
d. Waste Corrosive Liquid, Acidic, Organic, n.o.s. 8, UN3265, II DOT-E11153 DOT-E10411 (D002)	001	DF	00050	P	D002

J. Additional Descriptions for Materials Listed Above

a. 3R36844(L,C,I,E)(1x16) b. 3R36844(L,C)(1x55)

c. 3R36844(L,C)(1x55) d. 3R36844(L,C)(1x16)

EMERGENCY PHONE (401)781-6340

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.	S01		c.	S01	
b.	S01		d.	S01	

15. Special Handling Instructions and Additional Information

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Printed/Typed Name: Kevin J. T. Belmont Signature: [signature] Date: Month 11 Day 01 Year 98

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Seth Whalley Signature: [signature] Date: Month 11 Day 01 Year 98

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name: [illegible] Signature: [illegible] Date: Month 11 Day 01 Year

GENERATOR TRANSPORTER FACILITY

COPY 3: Facility Mails To Generator

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RIS 0035544

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 Manifest Document No. 035571
2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but may be required by state law.

3. Generator's Name and Mailing Address
21st CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886
4. Generator's Phone (401) 738-3262

A. State Manifest Document Number
RIS 0035571
B. Generator/Site Address
SAME

5. Transporter 1 Company Name
21ST CENTURY ENV MGT INC, OF RI
6. US EPA ID Number
R I D 9 8 0 9 0 6 9 8 6

7. Transporter 2 Company Name
8. US EPA ID Number

C. State Transporter ID/License Plate
20827, Ma.
D. Transporter 1 Phone 401 738-3261
E. State Transporter ID/License Plate
F. Transporter's Phone

9. Designated Facility Name and Site Address
NORTH AND ENVIRONMENTAL, INC
275 ALLENS AVE.
PROVIDENCE RI 02905
10. US EPA ID Number
R I D 0 4 0 0 9 8 3 5 2

G. Facility Mailing Address SAME
H. Facility's Phone 401 781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste Mercury (D009) 8, UN2809, III. DOT-E10441 DOT-E11153	001	DF	00001	P	D009
b. Waste Acetic Acid Glacial 8, UN2789 II DOT-E11154 DOT-E10441	001	DF	00008	P	D001 D002
c. Waste Aerosols 2.1, UN1950	001	DF	00008	P	D001
d. Waste Flammable Liquid, Toxic, n.o.s. 3, UN1992, II 1,1,1,2 Trichloroethylene/Perchloroethylene (D001/D039)	001	DF	00030	P	D001 D039

J. Additional Descriptions for Materials Listed Above
a. 3P36844(L,E)(1x5) b. 3P36844(L,C,I)(1x5)
c. 3P36844(C,I)(1x5) d. 3P36844(L,I,E)(1x16)
EMERGENCY PHONE (401) 781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c. S01	
b. S01		d. S01	

15. Special Handling Instructions and Additional Information

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Printed/Typed Name: X Richard J. Belcourt
Signature: X
Date: Month 11 Day 01 Year 99

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Seth Whalley
Signature: Seth Whalley
Date: Month 11 Day 01 Year 99

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Wayne Pelletier
Signature
Date: Month 11 Day 01 Year 99

GENERATOR
TRANSPORTER
FACILITY

COPY 3: Facility Mails To Generator

ALL 8 COPIES MUST BE LEGIBLE!!!

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

(401) 1731

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

Please print or type. (Form designed for use on elite (12 pitch) typewriter.) (401) 277-2797 Form Approved. OMB No. 2050-0039 Expires 9/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 — Manifest Document No. 035572
2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but may be required by state law.

3. Generator's Name and Mailing Address 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886
4. Generator's Phone (401) 738-3262
5. Transporter 1 Company Name 21ST CENTURY ENV MGT INC OF RI — 6. US EPA ID Number R I D 9 8 0 9 0 6 9 8 6
7. Transporter 2 Company Name — 8. US EPA ID Number
9. Designated Facility Name and Site Address NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905 — 10. US EPA ID Number R I D 0 4 0 0 9 8 3 5 2

A. State Manifest Document Number RIS 0035572
B. Generator/Site Address SAME
C. State Transporter ID/License Plate 20327 Ma
D. Transporter's Phone 401 738-3261
E. State Transporter ID/License Plate
F. Transporter's Phone
G. Facility Mailing Address SAME
H. Facility's Phone 401 781-6340

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Toxic Liquid, Corrosive, Inorganic, n.o.s. 6.1, UN3289, I (Potassium Cyanide) DOT-E 10441 (D003/D003)	001	DM	00002	P	D003 D003
b. RQ, Waste Cyanide Solutions, n.o.s. (D011) 6.1, UN1935, II (Silver Cyanide/Gold Cyanide) DOT-E 10441 (D003/D011)	001	DF	00010	P	D003 D011 D030
c. RQ, Hazardous Waste, Solid, n.o.s. (F006, F007, F008, F009) 9, NA3077, III DOT-E 10441	001	DF	00010	P	F008 F009 F006 F007
d. Waste Oxidizing Solid, n.o.s. 5.1, UN1479, III (D001)	001	DF	00002	P	D001

J. Additional Descriptions for Materials Listed Above
a. 3P36844 (L, R, C, E) (1x5) b. 3P36844 (L, R, E, T) (1x5)
c. 3P36844 (6, T) (1x16) d. 3P36844 (S, I) (1x5)
EMERGENCY PHONE (401) 781-6340

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.	S01		S01	
b.	S01		d. S01	

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; or, if I am a small quantity, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Richard J. Bellard — Signature: [signature] — Date: Month 11 Day 02 Year 99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Seth Whalley — Signature: [signature] — Date: Month 11 Day 02 Year 99

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name: [illegible] — Signature: [signature] — Date: Month 11 Day 12 Year [illegible]

LPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

COPY 3: Facility Mails To Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIS 0035572

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) (401) 277-3797 Form Approved. OMB No. 2050-0039 Expired 9/30/89

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. RID980906868	Manifest Document No. 1	2. Page 1 of 1	Information in the shaded areas is not required by Federal law but may be required by state law.

3. Generator's Name and Mailing Address
25 GREYSTONE STREET
WARWICK, RI 02886

4. Generator's Phone (401) 738-3262

5. Transporter 1 Company Name: 21ST CENTURY ENV MGT INC, OF RI — US EPA ID Number: RID980906986

7. Transporter 2 Company Name — US EPA ID Number:

9. Designated Facility Name and Site Address
NORTHLAND ENVIRONMENTAL, INC.
275 ALLENS AVE
PROVIDENCE, RI 02905
US EPA ID Number: RID040098152

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	
a. RQ HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, PG III, (COPPER HYDROXIDE SLUDGE) (F006)	002	DF	02200	P	
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

15. Special Handling Instructions and Additional Information
11A-F007,F008,F009 -

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
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Printed/Typed Name	Signature	Date Month Day Year
JOHN MARTIN		12 13 89

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
John Medeiros		12 13 89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
Elaine Strauss		12 13 89

EPA Form 8700-22 (3-84) (COPY 3: Facility Mails To Generator)

(91) 18882

COPY 2: Facility Mails To Generator. ALL 8 COPIES MUST BE LEGIBLE.

RIS 0037535

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Expires 5-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: RI0 9 8 0 9 0 6 7 9 6 — Manifest Document No.: 7 7 3 3 6

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: SILICON KINGSBURY ENVIRONMENTAL MGT, INC. OF RI, 25 GAYSTONE ST., WARWICK, RI 02886

4. Generator's Phone: (401) 738-3262

A. State Manifest Document Number: NJA 2777336

B. State Generator's ID (Gen. Site Address): SAME

5. Transporter 1 Company Name: REPUBLIC ENV SYS (TRANSGRP) — 6. US EPA ID Number: PAD982661381

C. State Trans. ID-NJDEP: PA RH 9317 — Decal No.:

7. Transporter 2 Company Name: REPUBLIC ENV SYS (PA) — 8. US EPA ID Number: PAD085690572

D. Transporter's Phone: (215) 822-2676

E. State Trans. ID-NJDEP: 506209 — Decal No.: 84637

9. Designated Facility Name and Site Address: E.I. DUPONT DE NEMOURS & CO. INC., CHAMBERS WORK, ROUTE 130, DEEPWATER, NJ 08023 — 10. US EPA ID Number: NJD002385730

F. Transporter's Phone: (212) 822-8949

G. State Facility's ID: 856

H. Facility's Phone: (609) 540-2773

11. DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
X RQ, HAZARDOUS WASTE, LIQUIDS, N.O.S. (ALKALINE WASTE WATER), 9, NA 3082, PG III (F006)	001	TT	4882	G	F006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above: OWR 6236 Release # 7 ALKALINE WASTE WATER SG. 1.00

K. Handling Codes for Wastes Listed Above: a. T01 b. c. d.

15. Special Handling Instructions and Additional Information: ERG # 171 ADDITIONAL WASTE CODES F007, F008, F009 EMERGENCY RESPONSE #(201) 781-6340

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: RICHARD J. BALMER — Signature: [signature] — Month Day Year: 1 2 1 4 9 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: DEAN MAYER — Signature: [signature] — Month Day Year: 1 2 1 4 9 9

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: [illegible] — Signature: [illegible] — Month Day Year: 12 21 99

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name: JOHN [illegible] — Signature: [signature] — Month Day Year: 12 [illegible]

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

FACILITY COPY

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-30-97

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. RID 980906986 Manifest Document No. 1

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: SYS ENERGY ENVIRONMENTAL MGT. INC. OF RI, 25 Cogstone St., Warwick RI 02886

4. Generator's Phone (401) 738-3262

A. State Manifest Document Number: NJA 2777341

B. State Generator's ID (Sch. Site Address)

5. Transporter 1 Company Name: Republic Env. Sys (Trans Group) — US EPA ID Number: PAD982661391

C. State Trans. ID-NJDEP: PA AH0317

Decal No.

6. Transporter 2 Company Name: Republic Env Sys (PA) — US EPA ID Number: PAD003690592

D. Transporter's Phone (215) 504-2676

E. State Trans. ID-NJDEP: 08460

Decal No.

7. Designated Facility Name and Site Address: E.I. Dupont De Nemours & Co, Inc., Chambers Work, Route 130, Deepwater, NJ 08023 — US EPA ID Number: NJD002395730

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (856) 540-4133

9. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)

	9b.	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a.	X RQ, HAZARDOUS WASTE, LIQUID, N.O.S. (MERCURY WASTEWATER), 9, NA 3082, PG III (F006)	001	TT	4906	G	F006
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above: OWA 2336 Class #8; a. Alkaline Gr. Waste, Sp. Gr.

K. Handling Codes for Wastes Listed Above: 101; a. b. c. d.

15. Special Handling Instructions and Additional Information: ERG 171, 172; MSDS Waste Codes D002, F008, F009; Emergency Response (401) 291-6340

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: Ronald J. [illegible] — Signature — Month Day Year 12 16 97

17. Transporter 1 Acknowledgment of Receipt of Materials: Printed/Typed Name: Doug Mayer — Signature — Month Day Year 12 16 97

18. Transporter 2 Acknowledgment of Receipt of Materials: Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name: Michael [illegible] — Signature — Month Day Year

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

N2618

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) (401) 277-2797

Form Approved. OMB No. 2050-0039 Expired 9/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 — Manifest Document No. 0039065

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by state law.

3. Generator's Name and Mailing Address 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

5. Transporter 1 Company Name: 21ST CENTURY ENV MGT INC,OF RI — 6. US EPA ID Number: R I D 9 8 0 9 0 6 9 8 6

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address
NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905 — 10. US EPA ID Number: R I D 0 4 0 0 9 8 3 5 2

A. State Manifest Document Number: RIS 0039065

B. Generator/Site Address: SAME

C. State Transporter ID/License Plate: 51518 RI

D. Transporter's Phone: 401 738-3261

E. State Transporter ID/License Plate

F. Transporter's Phone

G. Facility Mailing Address: SAME

H. Facility's Phone: 401 781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. SODIUM HYDROXIDE, SOLID,8,UN1823,PG II,(R004)	009	DM DF	04500	P	R004
b. RQ HAZARDOUS WASTE, SOLID, N.O.S.,9,NA3077, PG III,(COPPER HYDROXIDE SLUDGE),(F006)*	004	BA SF	05000	P	F006*
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. 3D32142 1X55 DM, 8X55 DF
b. 3532399 4X T-PAKS
c.
EMERGENCY PHONE (401)781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c.	
b. S01		d.	

15. Special Handling Instructions and Additional Information
- 11B-F007,F008,F009

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; or, if I am a small quantity, I have made good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Richard J. Belmont — Signature — Date: Month Day Year 01 25 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John Medeiros — Signature — Date: Month Day Year 01 25 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Elaine Johnson — Signature — Date: Month Day Year 01 25 00

GENERATOR — TRANSPORTER — FACILITY

COPY 3: Facility Mails To Generator

ALL 6 COPIES MUST BE LEGIBLE!!

RIS 0039065

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

(RI) 20703

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

RD-2
6236-1 (7)

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-30-97.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I 0 9 8 0 4 0 6 9 8 6 Manifest Document No. 7 8 0 7 2
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address 21st Century Environmental Mgt. Inc of RI
25 Graystone St.
Warwick RI 02886
4. Generator's Phone (401) 738-7863

A. State Manifest Document Number **NJA 2878072**
B. State Generator's ID (NJ Site Address)

5. Transporter 1 Company Name: Republic Env. Sys (Transcap)
6. US EPA ID Number: PAD982661381
C. State Trans. ID-NJDEP
Decal No.
7. Transporter 2 Company Name: Republic Env. Sys (PA)
8. US EPA ID Number: PAD085690592
D. Transporter's Phone (215) 632-1636
E. State Trans. ID-NJDEP
Decal No.
F. Transporter's Phone (215) 322-5775

9. Designated Facility Name and Site Address: E.I. DuPont De Nemours & Co Inc.
Chambers Works, Route 130
Deepwater, NJ 08023
10. US EPA ID Number: NJD002381570
G. State Facility's ID
H. Facility's Phone (856) 540-9773

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM	12. Container No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. RQ, Hazardous Waste, Liquid, N.O.S. (Alkaline Wastewater), 9, NA 3082, PG III (F006)	X	001	TT	05131	G	F006
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
DWM 6236 Recycle #1
Alkaline Wastewater
a. SQT, DD
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T01
b.
c.
d.

15. Special Handling Instructions and Additional Information
ERG #171
Additional waste codes F007, F008, F009
Emergency Response # (401) 781-6340
401 738-7863

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: John Martin
Signature
Month Day Year: 02 21 94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Thomas Potts
Signature
Month Day Year: 02 21 2010

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No. 2050-0039, Expires 9-30-9

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. RI0900906916 Manifest Document No. 780757
2. Page 1 of 1
7. Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: USIC NTUA ENVIRONMENTAL MGT INC. OF RI, 25 STONESTONE ST, WARWICK, RI 02886
4. Generator's Phone (401) 738-3062

A. State Manifest Document Number: **NJA 2878075**
B. State Generator's ID (Gen. Site Address)

5. Transporter 1 Company Name: REPUBLIC ENV. SYS (TRANS) INC. 6. US EPA ID Number: PAD981616138 1
7. Transporter 2 Company Name: REPUBLIC ENV. SYS (T) 8. US EPA ID Number: PAD015690592

C. State Trans. ID-NJDEP Decal No.
D. Transporter's Phone (215) 822-2671
E. State Trans. ID-NJDLP Decal No.
F. Transporter's Phone (215) 822-8775

9. Designated Facility Name and Site Address: E.I. DUPONT DE NEMOURS & CO. INC, CHAMBERS WORKS, ROUTE 130, DEEPWATER, NJ 08023 10. US EPA ID Number: NJD002315930
G. State Facility's ID
H. Facility's Phone (856) 540-2773

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)

	11.1	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X RQ, HAZARDOUS WASTE, LIQUID, N.O.S. (ALKALINE WASTEWATER), 9, NA3082, PG III (FOOD)	001	TT	01600	G	F006
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above: 00406230 RELEASE #2 ALKALINE WASTEWATER 5.6.01.00

K. Handling Codes for Wastes Listed Above: a. T01 b. c. d.

15. Special Handling Instructions and Additional Information: ERG #171 ADDITIONAL WASTE CODES F007, F008, F009 EMERGENCY PHONE-(401) 731-6340 STOP

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: JOHN MARTIN Signature: Month Day Year 09 10 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Harry Adams Signature: Month Day Year 09 10 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Stephen DeCaring Signature: Month Day Year 09 10 00

19. Discrepancy Indication Space: Item 6 should read "SAME."

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: THOMAS DETOR Signature: Month Day Year 09 10 00

Form 8700-22 (Rev. 9/88) (Previous editions are obsolete.)

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

N 2850

Please print or type. (Form designed for use on elite [12-pitch] typewriter.) (401) 277-2797

Form Approved. OMB No. 2050-0039 Expires 8/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 — Manifest Document No. 40039

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by state law.

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

A. State Manifest Document Number: RIS 0040009

B. Generator/Site Address: SAME

5. Transporter 1 Company Name: 21ST CENTURY ENV MGT INC, OF RI — 6. US EPA ID Number: R I D 9 8 0 9 0 6 9 8 6

7. Transporter 2 Company Name — 8. US EPA ID Number

C. State Transporter ID/License Plate: 51518 RI

D. Transporter's Phone: 401-738-3261

E. State Transporter ID/License Plate

F. Transporter's Phone

9. Designated Facility Name and Site Address: NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905 — 10. US EPA ID Number: R I D 0 4 0 0 9 8 3 5 2

G. Facility Mailing Address: SAME

H. Facility's Phone: 401 781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE TOXIC LIQUID, INORGANIC, N.O.S., 6.1, UN3287, PG II, (SODIUM CYANIDE), (F006)*	009	DM	03600	P	F006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. 3031783 9 X 55 DMS
b.
c.
d.
EMERGENCY PHONE (401)781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
11A-F008 -

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; or, if I am a small quantity, I have made good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JOHN MARTIN — Signature: John Martin — Date (Month Day Year): 02 25 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John Medeiros — Signature: John Medeiros — Date (Month Day Year): 02 25 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date (Month Day Year):

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Lance Fournier — Signature: Lance Fournier — Date (Month Day Year): 02 25 00

ALL COPIES MUST BE LEGIBLE!!

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

(RI) 21832

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550

Form approved. OMB No. 2050-0039 Expires 8-30-94

ER-WM-51 REV. 1/91

OFFICIAL PENNSYLVANIA MANIFEST FORM

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. RID980906986 — Manifest Document No. 42405

2. Page 1 of 1

Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address: RILT CENTURY ENV MGT INC OF RI. 8 GREYSTONE STREET LINCOLN RI 02865

4. Generator's Phone (401) 732-2312

A. State Manifest Document Number: PAE 2142405

B. State Gen. ID: SAMS

5. Transporter 1 Company Name: REPUBLIC ENVSYS TRANS GROUP

6. US EPA ID Number: PAD982661338

C. State Trans. ID: PAT IAH 103171

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone: 615 822 2676

E. State Trans. ID: PAT

F. Transporter's Phone

9. Designated Facility Name and Site Address: REPUBLIC ENVSYS, (PA) INC 2869 SAMASTONE DRIVE HATFIELD PA. 19440

10. US EPA ID Number: PAD085690592

G. State Facility's ID

H. Facility's Phone: (215) 822-595

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ HAZARDOUS WASTE, LIQUID, N.O.S., 9, NA3082, PG III (LEAD, CHROMIUM)	001	TT	X57131	G	F006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

Lab Pack	Physical State	Lab Pack	Physical State
a.	L-WL49559	b.	
c.		d.	

K. Handling Codes for Wastes Listed Above: a. H040 H131 H132 H061 b.

15. Special Handling Instructions and Additional Information

ERG 171

ADDITIONAL WASTE CODES F001 F003 F009

EMERGENCY NO. 4017816740

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Printed/Typed Name: Richard J. Belmont — Signature: X — Month Day Year: 10 31 00

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Steve Pitkin Strus — Signature — Month Day Year: 10 31 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Paul Carroll — Signature — Month Day Year: 02 07 00

GENERATOR / TRANSPORTER / FACILITY

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.

TSD Facility: Mail to Generator

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Land Recycling and Waste Management
P.O. Box 6550
Harrisburg, PA 17105-6550
OFFICIAL PENNSYLVANIA MANIFEST FORM

5500-FM-LRW0051 REV 7/99

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 — Manifest Document No. 136243

2. Page 1 of 1

Information within the bold red border is not required by Federal law but may be required by State law.

3. Generator's Name and Mailing Address
21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (40) 738-3262

A. State Manifest Document Number: PAG 136243

B. State Gen. ID: SAME

5. Transporter 1 Company Name: REPUBLIC ENV SYS (TRANS GROUP)

6. US EPA ID Number: P A D 9 8 2 6 6 1 3 8 1

C. State Trans. ID: PA-AH 0 3 1 7

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (215 822-2676

E. State Trans. ID: PA-AH

9. Designated Facility Name and Site Address
REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440

10. US EPA ID Number: P A D 0 8 5 6 9 0 5 9 2

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (215) 822-8995

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ HAZARDOUS WASTE, LIQUID, N.O.S.,9,NA3082, PG III,(LEAD,CHROMIUM),(F006)*	XX1	T T	X3741	G	F 0 0 6 *
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
L W149559

K. Handling Codes for Wastes Listed Above
H077
a. S02 H124 c.
b. d.

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE (401)781-6340
11A- F007,F008,F009,D004,D005,D006,D007,D008,D009,D010,D011

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JOHN MARTIN — Signature: John Martin — MONTH 03 DAY 27 YEAR 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Dean moyer — Signature: Dammoyer — MONTH 03 DAY 27 YEAR 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — MONTH DAY YEAR

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Byron Phillips — Signature: Byron Phillips — MONTH 03 DAY 27 YEAR 00

GENERATOR — TRANSPORTER — FACILITY

PAG 136243

PA Form 8700-22 (Rev. 9/88) Previous editions are obsolete
(PA) 436023

COPY 3 - TSD FACILITY: MAIL TO GENERATOR

3

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767
(401) 277-2797

11 3096

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Expires 9/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 — Manifest Document No. 41528

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by state law

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

A. State Manifest Document Number: RIS 0041528

B. Generator/Site Address: SAME

5. Transporter 1 Company Name: 21ST CENTURY ENV MGT INC, OF RI — 6. US EPA ID Number: R I D 9 8 0 9 0 6 9 8 6

7. Transporter 2 Company Name — 8. US EPA ID Number

C. State Transporter ID/License Plate: 51518 RI

9. Designated Facility Name and Site Address: NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905 — 10. US EPA ID Number: R I D D 4 0 0 9 8 3 5 2

D. Transporter's Phone: 401 738-3261

E. State Transporter ID/License Plate

F. Transporter's Phone

G. Facility Mailing Address: SAME

H. Facility's Phone: 401 781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Waste Paint Related Material, UN 1263, PG II, 3	001	CF	00500	P	D001
b. Waste Flammable Liquid, n.o.s., UN 1993 PG II, 3 (Gasoline/Kerosene)	001	DF	00005	P	D001
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. 3P36844 1x DF 3P36844 1x16
b. 3P36844 1x16 GLD EMERGENCY PHONE (401) 781-6340

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and national government regulations.
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Printed/Typed Name: DANIEL ANDERSON — Signature: [signature] — Date (Month Day Year): 03 28 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John Medeiros — Signature: [signature] — Date (Month Day Year): 03 28 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date (Month Day Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Elaine Stevens — Signature: [signature] — Date (Month Day Year): 03 28 00

GENERATOR — TRANSPORTER — FACILITY

ALL 8 COPIES MUST BE LEGIBLE!!!

COPY 9: Facility Mails to Generator

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 421, Trenton, NJ 08625-0421

TR D-2

6236/3 C

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050 [illegible]

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 8 9 8 2 — Manifest Document No. 2718993

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

A. State Manifest Document Number: NJA 3121803

B. State Generator's ID (Alternate Site Address): SAME

5. Transporter 1 Company Name: REPUBLIC ENV SYS (TRANS GROUP)

6. US EPA ID Number: P A D 9 8 2 6 5 1 3 8 1

C. State Trans. ID-NJDEP: 03171

Decal No.: 25[illegible]

7. Transporter 2 Company Name: REPUBLIC ENV SYS (PA)

8. US EPA ID Number: P A D 0 8 5 6 9 0 5 9 2

D. Transporter's Phone (215) 822-2676

E. State Trans. ID-NJDEP: 06209

Decal No.: 15[illegible]

9. Designated Facility Name and Site Address: E I DUPONT DE NEMOURS & CO INC
CHAMBERS WORKS ROUTE 130
DEEPWATER NJ 08023

10. US EPA ID Number: N J D 0 0 6 2 3 8 5 7 2 0

F. Transporter's Phone (215) 822-8095

G. State Facility's ID

H. Facility's Phone (856) 540-2773

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)

	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	HAZARDOUS WASTE, LIQUID, N.O.S.,9,NA3082, PG III,(CHROMIUM,LEAD),(F006)	001	TT	055/194	G	F006
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
a. QW-6236 RL#3 TR40612
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T01
b. S02
c.
d.

15. Special Handling Instructions and Additional Information
ERG#171 55" - STICK

EMERGENCY PHONE (401)781-6340

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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GENERATOR

Printed/Typed Name: Richard J. Belmont — Signature: [signature] — Month Day Year: 10/1/01

17. Transporter 1 Acknowledgement of Receipt of Materials

TRANSPORTER

Printed/Typed Name: Larry Mack — Signature: [signature] — Month Day Year: 10/1/01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Stephen DeCarey — Signature: [signature] — Month Day Year: 10/1/01

19. Discrepancy Indication Space
ITEM J DESCRIPTION MISSING
ITEM K SHOULD READ T01 ONLY

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: KENNETH J. SHAW — Signature: [signature] — Month Day Year: 04/18/02

ALL INFORMATION MUST BE LEGIBLE ON ALL COPIES

In case of an emergency or spill immediately call the state the emergency occurred in and the New Jersey Dept. of Environmental Protection and Energy (609) 2[illegible]

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

6236/4 (12)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: RID980990696 — Manifest Document No.: 21803
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886
4. Generator's Phone (401) 738 3262

A. State Manifest Document Number: NJA 3121804
B. State Generator's ID (Gen. Site Address): SAME

5. Transporter 1 Company Name: REPUBLIC ENV SYS (TRANS GROUP) — 6. US EPA ID Number: PAD982616131
7. Transporter 2 Company Name: REPUBLIC ENV SYS (PA) — 8. US EPA ID Number: PAD985550592
9. Designated Facility Name and Site Address: E I DUPONT DE NEMOURS & CO INC, CHAMBERS WORKS ROUTE 130, DEEPWATER NJ 08023 — 10. US EPA ID Number: NJD002385730

C. State Trans. ID-NJDEP: D8117 — Decal No.: 0847105
D. Transporter's Phone (215) 822-2676
E. State Trans. ID-NJDEP: 506209 — Decal No.: 0844708
F. Transporter's Phone (215) 822-8995
G. State Facility's ID
H. Facility's Phone (856) 540-2773

	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	X HAZARDOUS WASTE, LIQUID, N.O.S., 9, NA3082, PG III, (CHROMIUM, LEAD), (F006)	001	T1	015178	G	F006
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a. OW-6236 Release #4 TR48612
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T01
b. S02
c.
d.

15. Special Handling Instructions and Additional Information
REC # 171
T-15 [illegible]

EMERGENCY PHONE
(401)781-6340

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: Richard J. Belmont — Signature: [signature] — Month Day Year: 01 12 15 06

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible] — Signature: [signature] — Month Day Year: 01 12 15 06

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible] — Signature: [signature] — Month Day Year: 01 12 15 06

19. Discrepancy Indication Space: ITEM J DESCRIPTION IS MISSING. ITEM K SHOULD READ T01 ONLY.

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Signature: [signature] — Month Day Year

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: R I 0 9 8 0 9 0 6 9 8 6 — Manifest Document No. 21835 — 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

A. State Manifest Document Number: NJA 3121835

B. State Generator's ID-(GSAMC Address)

5. Transporter 1 Company Name: REPUBLIC ENV SYS (TRANS GROUP)
6. US EPA ID Number: P A D 9 8 7 6 6 1 3 8 1

C. State Trans. ID-NJDEP
Decal No.-

7. Transporter 2 Company Name: Republic Env. Sys. (Pa)
8. US EPA ID Number: PAD018516910 5912

D. Transporter's Phone (215) 822-2676

E. State Trans. ID-NJDEP 5,062,09
Decal No.- 0,846,35

9. Designated Facility Name and Site Address: E I DUPONT DE NEMOURS & CO INC
CHAMBERS WORKS ROUTE 130
DEEPWATER NJ 08023
10. US EPA ID Number: N J D 0 0 2 3 8 5 7 3 0

F. Transporter's Phone (215 822-8795

G. State Facility's ID

H. Facility's Phone (856 540-2773

	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X HAZARDOUS WASTE, LIQUID, N.O.S., 9, NA3082, PG III, (CHROMIUM, LEAD), (F006)	X X 1	T	X 5 3 9 5	G	F 0 0 6
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
(ALKALINE WASTEWATER)
a. L TR48612
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T01 S01
b.
c.
d.

15. Special Handling Instructions and Additional Information ERG #171
OW-06236
REL-5 x

EMERGENCY PHONE (401)781-6340

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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GENERATOR

Printed/Typed Name: X Richard J Belmont — Signature: X [signature] — Month Day Year: 05 16 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Vincent Morante — Signature: Vincent Morante — Month Day Year: 05 16 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible] — Signature: [illegible] — Month Day Year: 05 17 00

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: KENNETH J STRAW — Signature: Kenneth Straw — Month Day Year: 05 17 00

EPA Form 8700-22 (Rev. 9-89) Previous editions are obsolete.

3 TSD MAIL TO GENERATOR (NJ) 437294

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 421, Trenton, NJ 08625-0421

0236 7 (12)

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: RID980969813 Manifest Document No.: 2299
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886
4. Generator's Phone (401) 738-3262

A. State Manifest Document Number: NJA 3121836
B. State Generator's ID (Generator Address): SAME

5. Transporter 1 Company Name: REPUBLIC ENV SYS (TRANS GROUP)
6. US EPA ID Number: PAD982061381
C. State Trans. ID-NJDEP: PA AH0310
Decal No.:

7. Transporter 2 Company Name: REPUBLIC ENV SYS (PA)
8. US EPA ID Number: PAD085619052
D. Transporter's Phone (215) 822-2676
E. State Trans. ID-NJDEP: G062208
Decal No.: 801701

9. Designated Facility Name and Site Address: E I DUPONT DE NEMOURS & CO INC
CHAMBERS WORKS ROUTE 130
DEEPWATER NJ 08023
10. US EPA ID Number: NJD002385220
F. Transporter's Phone (215) 822-8945
G. State Facility's ID
H. Facility's Phone (856) 540-2773

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, LIQUID, N.O.S.,9,NA3082, PG III,(CHROMIUM,LEAD),(F006)	X	XX1	T	X2263	G	F006
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above: OW4836 Rev 7 (Ancillary Waste Stream) TR48612

K. Handling Codes for Wastes Listed Above: T01

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE
(401)781-6340

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JOHN MARTIN — Signature — Month Day Year: 05/17/00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bruce Hearmet — Signature — Month Day Year: 05/17/00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Stephen DeGroot — Signature — Month Day Year: 05/19/00

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JOHN HOPE — Signature — Month Day Year: 10/5/2000

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.
3—TSD MAIL TO GENERATOR

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 421, Trenton, NJ 08625-0421

6236/9

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R 1 D 9 8 0 4 0 6 9 8 6 Manifest Document No. 2121848

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT, INC OF RI
26 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

A. State Manifest Document Number: NJA 3121848

B. State Generator's ID (Gen. Site Address): SAM

5. Transporter 1 Company Name: REPUBLIC ENV SYS (TRANS GROUP)

6. US EPA ID Number: P A D 9 8 2 6 6 1 3 8 1

C. State Trans. ID-NJDEP: Decal No.: 0317

7. Transporter 2 Company Name: REPUBLIC ENV SYS (PA)

8. US EPA ID Number: P A D 0 8 5 6 9 0 5 9 2

D. Transporter's Phone (215) 822-2676

E. State Trans. ID-NJDEP: 506205 Decal No.: 842355

9. Designated Facility Name and Site Address: E I DUPONT DE NEMOURS & CO INC
CHAMBERS WORKS ROUTE 130
DEEPWATER NJ 08023

10. US EPA ID Number: N J D 0 0 2 3 8 5 7 3 0

F. Transporter's Phone (215) 822-8995

G. State Facility's ID

H. Facility's Phone (856) 540-2773

	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X HAZARDOUS WASTE, LIQUID, N.O.S., 9, NA3082, PG III, (CHROMIUM, LEAD), (F006)	001	T	052285	G	F006
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above: OV-062266 P (HALLINGWORTH) TR48612

K. Handling Codes for Wastes Listed Above: a. T01 b. S02 c. d.

15. Special Handling Instructions and Additional Information: ERG 171

EMERGENCY PHONE (401)781-6340

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: Richard J. Roberts — Signature: X — Month Day Year: 10 16 13 10

17. Transporter 1 Acknowledgement of Receipt of Materials

TRANSPORTER — Printed/Typed Name: STEPHEN STRUS — Signature — Month Day Year: 10 16 13 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Stephen DeCamp — Signature — Month Day Year: 10 16 13 00

19. Discrepancy Indication Space: Item K should read T01 only

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: P.J. Dammingsr — Signature — Month Day Year: 10 16 13 00

In case of an emergency or spill immediately call the state emergency number ... and the ... dept. of ... robert ... 1-800-...

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 421, Trenton, NJ 08625-0421

(9)
6236/8

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

Manifest Document No. 18419

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

A. State Manifest Document Number: NJA 3121849

B. State Generator's ID-(Optional Address)

5. Transporter 1 Company Name: REPUBLIC ENV SYS (TRANS GROUP)
6. US EPA ID Number: RAD982661381

C. State Trans. ID-NJDEP: 03117
Decal No.- 0847OE

7. Transporter 2 Company Name: REPUBLIC ENV. SYS. (PA)
8. US EPA ID Number: PAD085690592

D. Transporter's Phone (215) 822-2676
E. State Trans. ID-NJDEP: 30620
Decal No.- 0847OE

9. Designated Facility Name and Site Address: E I DUPONT DE NEMOURS & CO INC
CHAMBERS WORKS ROUTE 130
DEEPWATER NJ 08023
10. US EPA ID Number: NJD002385230

F. Transporter's Phone (215) 822-8995
G. State Facility's ID
H. Facility's Phone (856 540-2773

	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X HAZARDOUS WASTE, LIQUID, N.O.S.,9,NA3082, PG III,(CHROMIUM,LEAD),(F006)	XX1	1	XB1173	G	F006
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a. CIT# 0623 Rlease #9 TR4612
b.

K. Handling Codes for Wastes Listed Above
a. T01 S02
b.
c.
d.

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE
(401)781-6340

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: Richard J. Belmont — Signature — Month Day Year: 06 14 00

TRANSPORTER — 17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: Roger Sofield — Signature — Month Day Year: 06 14 00

18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name: Stephen DeCamp — Signature — Month Day Year: 06 15 00

FACILITY — 19. Discrepancy Indication Space: Item K. should read T01 only. Item 15 should include ERG 171

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Printed/Typed Name: P.J. Dammingsek — Signature — Month Day Year: 06 15 00

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete. SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

In case of an emergency or spill immediately call the state-wide emergency occurred in and the N.J. Dept. of Environmental Protection and Energy. (609) 292-7172

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767
(401) 277-2797

N3815

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Expires 9/30/00

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 — Manifest Document No. 97776

2. Page 1 of 1

Information in the shaded areas is not required by federal law, but may be required by state law.

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

A. State Manifest Document Number: RIS 0044136

B. Generator's Site Address: SAME

5. Transporter 1 Company Name: 21ST CENTURY ENV MGT INC,OF RI — 6. US EPA ID Number: R I D 9 8 0 9 0 6 9 8 6

7. Transporter 2 Company Name — 8. US EPA ID Number

C. State Transporter's ID/License Plate: RI 76392

D. Transporter's Phone: (401) 738-3262

E. State Transporter's ID/License Plate

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number
NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905 — R I D 0 4 0 0 9 8 3 5 2

G. Facility Mailing Address: SAME

H. Facility's Phone: (401) 781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. WASTE TOXIC LIQUID, INORGANIC, N.O.S.,6.1, UN3287,PG II,(SODIUM CYANIDE),(F006)*	004	DM	01600	P	F006
b. RQ WASTE TOXIC SOLID, INORGANIC, N.O.S.,6.1, UN3288,PG II,(CYANIDE SOLIDS),(F006)*	001	DM	00150	P	F006*
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. 3031783 4X55 DM
b. 3532139 1X55 DM
c.
EMERGENCY PHONE (401) 781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c.	
b. S01		d.	

15. Special Handling Instructions and Additional Information
11A-F008 - 11B-F007,F008,F009

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; or, if I am a small quantity, I have made good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JOHN MARTIN — Signature — Date: Month Day Year 06 11 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Chris Clancy — Signature — Date: Month Day Year 06 11 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Date: Month Day Year 06 16 00

GENERATOR — TRANSPORTER — FACILITY

COPY 3: Facility Mails To Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIS 0044136

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

APPENDIX 4

Bills of Lading – Product Chemicals

CONTAINS HAZARDOUS MATERIALS

THIS MEMORANDUM

is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, not a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No.

CARRIER: SCAC Carrier's No. 507 Date 12/15/95

TO: Consignee Street Destination Zip

FROM: Shipper Street Origin Zip

Route: Vehicle Number U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
1		[illegible]				1201 lb.		

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the bill of lading set forth (the last clause on this sheet) and the terms and conditions of the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER:
PER:
DATE:

CARRIER: 12/15/99
PER:
DATE:

EMERGENCY RESPONSE
TELEPHONE NUMBER: ( )

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

FORM 7 PLYS W/ REV. CARB

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper's No.

Carrier's No. 11/9/99

CARRIER: WSA SCAC Date

TO: Warwick Sewer Authority
Consignee/25 Arthur Devine Blvd.
Street
Destination Warwick RI Zip 02886

FROM: Philpservices Corp 21st Century
Shipper
Street 25 Keystone St.
Origin Warwick RI Zip 02886

Route:

Vehicle Number | U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages; Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
22		Plastic 50# Drums Potassium Permanganate						N/A

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid Collect $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Signature of Consignor

RECEIVED, subject to the classifications and lawful tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☒ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE

SHIPPER:
PER:
DATE: 11/9/99

CARRIER:
PER: WSA
DATE: 11/9/99

EMERGENCY RESPONSE
TELEPHONE NUMBER: ( )

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

THIS MEMORANDUM

Is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. [illegible]

Carrier's No.

CARRIER: SCAC Date 10/27/95

TO: PSC North [illegible] Inc.
Consignee
Street 275 [illegible]
Destination [illegible] RI Zip 02885

FROM: PSC 21st Cent Inc
Shipper
Street 25 [illegible] St.
Origin [illegible] RI Zip 02221

Route: Vehicle Number | U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
3	✓	Toluene (22 gal) 50% [illegible]	3	UN1294	III	6 gallons		
2	✓	(22 gal) [illegible] 50% [illegible]	3	UN1224	II	38 gallons		
3	✓	[illegible] (DF) 50% [illegible]	3	UN1224	II	19 gallons		

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

By:

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER:
PER:
DATE:

CARRIER:
PER:
DATE:

EMERGENCY RESPONSE TELEPHONE NUMBER:

Monitored at all times the Hazardous Material is in transportation, including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

THIS SHIPPING ORDER

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. 235

Carrier's No. 082323

CARRIER: ALLSTATE POWER VAC SCAC

Date 2/29/00

TO: Consignee Phillip Services Corp. / Republic Services (PA) Inc
Street 2869 South 25th Drive
Destination Hatfield, PA Zip 19440

FROM: Shipper Phillip Services Group / Allentown Recycling Ctr. Inc
Street 25 Congdon St.
Origin Wilkes-Barre RI Zip 02891

Route:

Vehicle Number AB 383 S

U.S. DOT Hazmat Reg. No. 0060299 004 0264

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exception)
1		Paint Spray Cartridge (Boxes) (30 lb Pails) (8 Total)				240 lbs		
1	✓	Paint Spray Solvents, Hydrocarbon (6 Bags)	3	UN1949	II	300 lbs		
1		Fiberglass Copper Sulfate Boxes				50 lbs		
1		Plastic Lab Sink w/ Cabinet Enclosure				350 lbs		

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Carrier's Order No. (if required) The shipper, in consideration of the rate agreed upon, hereby offers the property described below, subject to the terms and conditions of the governing classification on file. Signature of Consignor

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which the carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per

PLACARDS REQUIRED

PLACARDS SUPPLIED ☒ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER: Phillip Services Group
PER:
DATE:

CARRIER: ALLSTATE POWER VAC
PER: SEAWOMIR MARKOWSKI
DATE: 02/29/00

EMERGENCY RESPONSE TELEPHONE NUMBER: (4) 28 . 1 2 4

Monitored at all times the Hazardous Materials in transportation including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No.

Carrier's No.

CARRIER: PSC Aquatic

SCAC

Date 3-22-00

TO: Northland Env. Inc
Consignee
Street 275 Allens Ave.
Destination Providence RI Zip 02905

FROM: Pic 2, 55 Century Env.
Shipper
Street 25 Greystone St.
Origin Warwick RI Zip 02886

Route:

Vehicle Number 5158 RI

U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
4		Sol Corrosive Solution (Product only)	8	UN1830	II	250 lbs		
1		Sol Bag Diatomaceous Earth (Product only)		N/A				

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER:
PER:
DATE: 3-22-00
EMERGENCY RESPONSE/
TELEPHONE NUMBER: ( )

CARRIER:
PER:
DATE:

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

APPENDIX 5

Manifests - Hazardous Waste Equipment Disposal

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Land Recycling and Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

2500-FM-LR0051 REV. 12/98

Form approved
OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. RID 990 906 986
Manifest Document No. 192695
2. Page 1 of 1
Information within the bold red border is not required by Federal law but may be required by State law.

3. Generator's Name and Mailing Address
21st Century Environmental Mgt Inc/FBI
25 Keystone St, Warwick RI 02886

A. State Manifest Document Number
PAG 0997695

B. State Gen. ID
Same

4. Generator's Phone (401) 738-3262

5. Transporter 1 Company Name
Republic Environmental Systems Inc (PA)

6. US EPA ID Number
PAD 085690592

C. State Trans. ID
PA-AH RI 571

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (215) 337-2676

E. State Trans. ID
PA-AH

9. Designated Facility Name and Site Address
Republic Environmental Systems Inc
2869 Sand Stone Drive
Hatfield, PA 19440

10. US EPA ID Number
PAD 085690592

F. Transporter's Phone ( )

G. State Facility's ID
Same

H. Facility's Phone ( )

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	RQ, Environmentally Hazardous Substance, Solid, n.o.s., 9, UN 3077, PG III (Big Filter Housings)	3	CF ~~AST~~ Pg	200	lbs	F006, F007, F008, F009
b.							
c.							
d.							

GENERATOR

J. Additional Descriptions for Materials Listed Above

Physical State		Physical State		K. Handling Codes for Wastes Listed Above	
a.		c.		a.	c.
b.		d.		b.	d.

15. Special Handling Instructions and Additional Information
Units transferred from designated facilities and returned to hazardous waste service, as intended PAS
Emergency Response (401) 781-6340 ERG #171

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Richard J. Belmont
Signature:
Month 08 Day 26 Year 99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: THOMAS KUSHNIR
Signature:
Month 08 Day 26 Year 99

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Ia. Physical State is S
Ia. Should read F006, F008, F009
14a. Should read P
H. Phone is (215) 822-8995
Ha. Should read 801
11a. Add F006 F007 F008 F009

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Kenneth Lee
Signature: Kenneth Lee
Month 08 Day 26 Year 99

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

4/3/18

by mail

COPY 5 - TSD FACILITY: MAIL TO GENERATOR

5

PAG 0997695

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767
(401) 277-2797

N11611

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Expires 9/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: R I D 9 8 0 9 0 6 9 8 6
Manifest Document No.: 034763

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by state law.

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone: (401) 738-3262

5. Transporter 1 Company Name: WASTE MANAGEMENT OF CT. INC.
6. US EPA ID Number: C T 0 9 8 3 8 9 6 3 4 1

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address: NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905
10. US EPA ID Number: R I D 0 0 4 0 0 9 8 3 5 2

A. State Manifest Document Number: RIS 0034763
B. Generator/Site Address: SAME
C. State Transporter ID/License Plate: 0035472 26657Ac
D. Transporter's Phone: 800 272-0999
E. State Transporter ID/License Plate:
F. Transporter's Phone:
G. Facility Mailing Address: SAME
H. Facility's Phone: 401 781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S.,9,UN3077,PG III, (CYANIDE DEBRIS),(F006)*	02	CM	27780 ~~35000~~ (12)	P	F006*
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. 3543466
b.
EMERGENCY PHONE (401) 781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
11A-F007,F008,F009 -

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; or, if I am a small quantity, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Richard Belmont
Signature:
Date: Month Day Year 09 20 99

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: STEVEN R WOJCIK SR
Signature:
Date: Month Day Year 09 20 99

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Elaine Petrucci
Signature:
Date: Month Day Year

GENERATOR
TRANSPORTER
FACILITY

In the event of a spill, contact the National Response Center, U.S. Coast Guard 1-800-424-8802. For spills within Rhode Island, contact the R.I. Department of Environmental Management

COPY 3: Facility Mails To Generator

ALL COPIES MUST BE LEGIBLE

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

IRII 15707

WASTE MANAGEMENT

Arrived at Customer: _____

Arrived at Landfill: _____

Ticket Completed: _____

Load / Drop Off: _____

Finished at Landfill: _____

R|O#7

1610 Pontiac Ave.
Cranston, RI 02920
(401) 463-5215
(401) 463-5087 Fax

Ticket: 63005
Opened by: JPICA
Customer: 607-17448 21ST CENTURY
25 GRAYSTONE ST
WARWICK RI 02886 401-732-2312
Attn.: RICK BELMONT 781 6340
Requested by: RICK ***SEE NOTES

Date Requested: 10/13/1999
Date Dispatched: 10/14/1999

Load Type: DELIVERY

Map Code Map Grid TMP

Service	Quantity	Yards	Weight	Job	Special Description
DELIVERY CHARGE	1.00				15

METAL
del 15 // **also relocate 4 rolloff boxes see rich gaskill or rick belmu

Signature: [signature]

Date: 10-14-99

WM 203-2-55

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Land Recycling and Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

2600-FM-LRM0061 REV. 12/99

Form approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 | Manifest Document Number 87313

2. Page 1 of 1

Information within the bold red border is not required by Federal law but may be required by State law.

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

A. State Manifest Document Number: PAG 0887313

B. State Gen. ID: SAME

5. Transporter 1 Company Name: REPUBLIC ENV SYS (TRANS GROUP)

6. US EPA ID Number: P A D 9 8 2 6 6 1 3 8 1

C. State Trans. ID: PA-AH 0 3 1 7

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (215) 822-2676

E. State Trans. ID: PA-AH

9. Designated Facility Name and Site Address
REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440

10. US EPA ID Number: P A D 0 8 5 6 9 0 6 9 2

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (215) 822-8995

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ HAZARDOUS WASTE, SOLID, N.O.S.,9,NA3077, PG III,(copper, nickel),(F006)*	XX1	CM	XXX28	Y	F006*
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

Physical State		Physical State	
a. S 1SS5828		c.	
b.		d.	

K. Handling Codes for Wastes Listed Above
a. S06 M141
b.
c.
d.

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE (401)781-6340
11A- F007,F008,F009

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Richard T. Bohman | Signature | MONTH 10 DAY 18 YEAR 99

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Roger Sofield | Signature | MONTH 10 DAY 18 YEAR 99

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | MONTH DAY YEAR

19. Discrepancy Indication Space
13a. 9340P
H5

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Paul Connell | Signature | MONTH 10 DAY 21 YEAR 99

PAG 0887313

A Form 8700-22 (Rev. 9/88) Previous editions are obsolete
(PA) 432811

COPY 5 - TSD FACILITY: MAIL TO GENERATOR

5

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Land Recycling and Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form Approved
OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID Number: RID980906986

Manifest Document No.: 157324

2. Page 1 of 1

Information within the bold red border is not required by Federal law but may be required by State law.

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

A. State Manifest Document Number: PAG 0987324

B. State Gen. ID: SAME

5. Transporter 1 Company Name: REPUBLIC ENV SYS (TRANS GROUP)

6. US EPA ID Number: PAD982661381

C. State Trans. ID: PA-AH 0317

7. Transporter 2 Company Name:

8. US EPA ID Number:

D. Transporter's Phone (215 822-2676)

E. State Trans. ID: PA-AH

9. Designated Facility Name and Site Address: REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440

10. US EPA ID Number: PAD085690592

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (215 822-8995)

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, PG III, (copper, nickel), (F006)*		XX1	CM	XXX28	Y	F006*
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

Physical State		Physical State	
a. S 1556828		c.	
b.		d.	

K. Handling Codes for Wastes Listed Above

a. 506 M141 c.
b. d.

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE (401)781-6340

11A- F007,F008,F009

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Richard J Belanti
Signature:
Month Day Year: 10 18 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Dean Moyer
Signature: Dean Moyer
Month Day Year: 10 18 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space: 13a. 9500# #6

20. Facility Owner or Operator Certification of Receipt of Hazardous Materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Paul Connell
Signature:
Month Day Year: 10 21 99

GENERATOR
TRANSPORTER
FACILITY

EPA Form 8700-22 (Rev. 9-94) Previous Editions Are Obsolete
(PA) 432812

COPY 5 TSD FACILITY: MAIL TO GENERATOR

5

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) (401) 277-2797

Form Approved OMB No. 2050 0039 Expires 9/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. RID980908986 — Manifest Document No. 21ST CENTURY ENV MGT INC OF RI
2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but may be required by state law.

3. Generator's Name and Mailing Address
25 GREYSTONE STREET
WARWICK RI 02886
4. Generator's Phone (401) 738-3262

A. State Manifest Document Number: RIS 0037493
B. Generator/Site Address: SAME

5. Transporter 1 Company Name: ~~21ST CENTURY ENV MGT INC OF RI~~ WASTE MANAGEMENT OF CT, INC
6. US EPA ID Number: CTD981880341 ~~RID980908986~~
7. Transporter 2 Company Name
8. US EPA ID Number
C. State Transporter ID/License Plate: 24074H CT 860-314-2
D. Transporter's Phone: ~~401-738-3262~~
E. State Transporter ID/License Plate
F. Transporter's Phone: SAME
9. Designated Facility Name and Site Address
NORTHLAND ENVIRONMENTAL, INC
275 ALTENS AVE
PROVIDENCE RI 02905
10. US EPA ID Number: RID004009352
G. Facility Mailing Address
H. Facility's Phone: 401-781-6340

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. ~~RQ WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES,~~ SOLID, N.O.S., 9, UN3077, PG III, (CYANIDE DEBRIS), (F006)*	2	CM	29,000	P	F006*
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
3543466
a. b. c. d. ~~EMERGENCY PHONE (401)781-6340~~

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c.	
b.		d.	

16. Special Handling Instructions and Additional Information
LDR-F007, F008, F009 Emergency Phone 401 781-6340

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
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Printed/Typed Name: Richard J. Belanger — Signature — Date: Month 10 Day 27 Year 99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BRIAN O'LEARY — Signature — Date: Month 10 Day 27 Year 99
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
#1 and 4

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name: Elaine Polsinelli — Signature — Date: Month 10 Day 27 Year 99

COPY 3: Facility Mails To Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIS 0037493

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

#1 and 4

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767
(401) 277-2797

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 Expires 9/30/89

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. RID 980 965 863
2. Page 1 of 1
3. Emergency Response Phone 401 781-6340
4. Manifest Tracking Number RI 10465583

Information in the shaded areas is not required by Federal law, but may be required by state law.

5. Generator's Name and Mailing Address
21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

6. Transporter 1 Company Name: WASTE MANAGEMENT OF CT, INC.
US EPA ID Number: CTD983891641

7. Transporter 2 Company Name
US EPA ID Number

8. Designated Facility Name and Site Address
NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905

10. US EPA ID Number: RID040098352

Facility's Phone: 401 722-0999

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. RQ WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S., 9, UN3077, PG III, (CYANIDE DEBRIS), (F006)*	02	CM	12000	P	F006*
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
3543466
(weight estimated)
EMERGENCY PHONE 401 781-6340

K. Handling Codes for Wastes Listed Above
Interim: Final: Interim: Final:

15. Special Handling Instructions and Additional Information
11A-F007,F008,F009 -

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.
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Printed/Typed Name: Richard V. Richard — Signature: [signature] — Date: Month 11 Day 18 Year 89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Richard Gamberale — Signature: Richard Gamberale — Date: Month 11 Day 18 Year 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space
49 gal

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Katarina A Sanchez — Signature: [signature] — Date: Month 11 Day 19 Year 89

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

(RI) 17337

COPY 3: Facility Mails To Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIS 10465583

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Land Recycling and Waste Management
P.O. BOX 8555
Harrisburg, PA 17105-8555
OFFICIAL PENNSYLVANIA MANIFEST FORM

DER-1514 Model Rev. 7/98

Form approved OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's U.S. EPA ID No.: RID980906986
2. Page 1 of 1
3. Emergency Response Phone: (401) 781-6340
4. Manifest Tracking Number: 37298

5. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

6. Generator's Phone: (401) 738-3262

7. Transporter 1 Company Name: REPUBLIC ENV SYS (TRANS GROUP)
8. US EPA ID Number: PAD982661381
9. State Transporter's ID: PA-AH 0317
10. Transporter's Phone: (215) 822-2676

11. Transporter 2 Company Name
12. US EPA ID Number
13. State Transporter's ID: PA-AH
14. Transporter's Phone: ( ) -

15. Designated Facility Name and Site Address: REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440
16. US EPA ID Number: PAD085690592
17. State Facility's ID: PAG 137298
18. Facility's Phone: (215) 822-8995

	19. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	20. Containers No.	Type	21. Total Quantity	22. Unit Wt/Vol	Waste No.
a.	RQ HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, PG III, (copper, nickel), (F006)*	XX1	CM	XXX30	Y	F006*
b.						
c.						
d.						

23. Additional Descriptions for Materials Listed Above
S 1555828

24. Handling Codes for Wastes Listed Above
a. 506 M141
b.
c.
d.

25. Special Handling Instructions and Additional Information
EMERGENCY PHONE (401)781-6340
11A- F007,F008,F009

26. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Richard J. Belmont
Signature: Richard Belmont
Month 12 Day 01 Year 99

27. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MIKE BETTS
Signature: Mike Betts
Month 12 Day 01 Year 99

28. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

29. Discrepancy Indication Space
13x 6000 P
#8

30. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 29.
Printed/Typed Name: JOSEPH HOFFEL
Signature
Month 12 Day 10 Year 99

PAG 137298

PA Form 8700-22 (Rev. 9/88) previous editions are obsolete
(PA) 433503

COPY 2 - TSD FACILITY: MAIL TO GENERATOR

3

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Land Recycling and Waste Management
P.O. Box 8471
Harrisburg, PA 17105-8471
OFFICIAL PENNSYLVANIA MANIFEST FORM

SQG-FM LRWM0051 REV. 7/99

Form Approved
OMB No. 2050-0039

[redacted]

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's USEPA ID No. RID980906866 — 37571

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law but may be required by State law.

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

5. Generator's Site Address: SAME

6. Transporter 1 Company Name: REPUBLIC ENV SYS (TRANS GROUP) — U.S. EPA ID Number: PAD982661301

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440 — U.S. EPA ID Number: PAD088480052

9. State Manifest Document Number: PAG 137571

9A. State Gen. ID: SAME

9B. State Trans. ID: PA-AH 0317

9C. Transporter's Phone: 215-822-2676

9D. State Trans. ID: PA-AH

9E. Transporter's Phone: ( )

9F. State Facility ID:

9G. Facility's Phone: 215-822-8995

	10. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a.		RQ HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, PG III, (copper, nickel), (F006)*	XX1	CM	XXX30	Y	F006
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above: S 1S55828

K. Handling Codes for Wastes Listed Above: a. M141 S06 b.

16. Special Handling Instructions and Additional Information:
11A- F007,F008,F009
EMERGENCY PHONE (401)781-6340

17. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: X Richard J. Belton — Signature: X [signature] — Month 12 Day 09 Year 99

18. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Vincent Murante — Signature: Vincent Murante — Month 12 Day 09 Year 99

19. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

19. Discrepancy Indication Space
13a. 17600 P

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JOSHUA KESSEL — Signature: [signature] — Month 12 Day 10 Year 99

PAG 137571

PA Form 8700-22 (Rev. 9/88) Previous editions are obsolete
(PA) 433961

#13

COPY 3 - TSD FACILITY: MAIL TO GENERATOR

3

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767
(401) 277-2797

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039 Expires 9/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. RI D 9 8 0 9 0 6 9 8 6 — Manifest Document No. 335

2. Page 1 of 1

Information in the shaded areas is not required by Federal law but may be required by state law.

3. Generator's Name and Mailing Address
21ST CENTURY ENV MGT INC
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3202

5. Transporter 1 Company Name: WASTE MANAGEMENT OF CT., INC.
6. US EPA ID Number: CTD 9 8 3 8 9 6 3 4 1

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905
10. US EPA ID Number: RID 0 4 0 0 9 8 3 5 2

A. State Manifest Document Number: RIS 0035581
B. Generator/Site Address: SAME
C. State Transporter ID/License Plate: 22651-A ET 023447 TE
D. Transporter's Phone: 800 272-0999
E. State Transporter ID/License Plate:
F. Transporter's Phone:
G. Facility's Mailing Address: SAME
H. Facility's Phone: 401 781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S., 9,UN3077,PG III, (CYANIDE DORIS), (F006)*	02	CM	25,000	P	F006*
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. 543466
b.
c.
d. EMERGENCY PHONE (401)781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. 501		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
11A-F007,F008,1009 - Weight is estimated

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
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Printed/Typed Name: Richard J. Bolduc — Signature — Date: Month 01 Day 14 Year 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: David E. [illegible] — Signature — Date: Month 01 Day 14 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Elaine Potaracke — Signature — Date: Month 01 Day 14 Year 00

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

16 and 17

COPY 3: Facility Mails To Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIS 0035581

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) (401) 277-2797

Form Approved. OMB No. 2050-0039 Expires 9/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 — Manifest Document No. 82296

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by state law.

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

A. State Manifest Document Number: RIS 0035582

B. Generator/Site Address: SAME

5. Transporter 1 Company Name: WASTE MANAGEMENT OF CT., INC.

6. US EPA ID Number: C T D 9 8 3 8 9 6 3 4 1

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. State Transporter ID/License Plate: 26652-A9

9. Designated Facility Name and Site Address:
NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905

10. US EPA ID Number: R I D 0 4 0 0 9 8 3 5 2

D. Transporter's Phone: 800 272-8999

E. State Transporter ID/License Plate:

F. Transporter's Phone:

G. Facility Mailing Address: SAME

H. Facility's Phone: 401 781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S.,9,UN3077,PG III, (CYANIDE DEBRIS),(F006)*	02	CM	25,000	P	F 0 0 6 *
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. 3543466
b.
c.
d. EMERGENCY PHONE (401)781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
11A-F007,F008,F009 - * weight is Estimated.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; or, if I am a small quantity, I have made good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Richard J. Belair — Signature — Date: Month 01 Day 28 Year 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAN MAGDZIK — Signature — Date: Month 01 Day 28 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Elaine J. Hanson — Signature — Date: Month 01 Day 25 Year 00

GENERATOR — TRANSPORTER — FACILITY

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

(RI) 17336

#11 and 12

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 Manifest Document No. 8696
2. Page 1 of 1
Information in the shaded areas is not required by federal law, but may be required by state law.

3. Generator's Name and Mailing Address 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886
4. Generator's Phone (401) 738-3262

A. State Manifest Document Number RIS 0035580
B. Generator/Site Address SAME

5. Transporter 1 Company Name WASTE MANAGEMENT OF CT., INC.
6. US EPA ID Number C T 0 9 8 3 8 9 6 3 4 1
7. Transporter 2 Company Name
8. US EPA ID Number
C. State Transporter ID/License Plate
D. Transporter's Phone 800 272-0999
E. State Transporter ID/License Plate 25515A
F. Transporter's Phone
G. Facility Mailing Address SAME
H. Facility's Phone 401 781-6340

9. Designated Facility Name and Site Address
NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905
10. US EPA ID Number R I D 0 4 0 0 9 8 3 5 2

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID N.O.S.,9,UN3077,PG III, (CANTIDE DEBRIS),(F006)*	02	CM	2000	P	F006*
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. 3543466
b.
c.
d. EMERGENCY PHONE (401)781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
11A-F007,F008,F009 -

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and international classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; or, if I am a small quantity, I have made good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Richard J. Beaudoin
Signature
Date: Month 02 Day 24 Year 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: PAUL LaPorte
Signature
Date: Month 02 Day 24 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Signature
Date: Month Day Year

GENERATOR
TRANSPORTER
FACILITY

COPY 3: Facility Mails To Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIS 0035580

EPA Form 8700-22 (3-84)
RI 1734

COPY 3: Facility Mails To Generator

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 — Manifest Document No.
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by state law

3. Generator's Name and Mailing Address 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

A. State Manifest Document Number: RIS 0035579

B. Generator/Site Address: SAME

5. Transporter 1 Company Name: WASTE MANAGEMENT OF CT., INC.
6. US EPA ID Number: C T D 9 8 3 8 9 6 3 4 1

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. State Transporter ID/License Plate: CT: 2665) A. ME-023947

9. Designated Facility Name and Site Address
NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905
10. US EPA ID Number: R I D 0 4 0 0 9 8 3 5 2

D. Transporter's Phone: 800 272-0999
E. State Transporter ID/License Plate:
F. Transporter's Phone:
G. Facility Mailing Address: SAME
H. Facility's Phone: 401 781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S.,9,UN3077,PG III, (CYANIDE DEBRIS),(F006)*	02	CM	20,000	P	F 0 0 6 *
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. 3543466
b.
c.
d. EMERGENCY PHONE (401)781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
11A-F007,F008,F009
Weight is Estimated

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; or, if I am a small quantity, I have made good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Richard J. Belmont — Signature: [signature] — Date: Month 02 Day 16 Year 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Carl Sherman — Signature: Carl Sherman — Date: Month 02 Day 16 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space Manifest Document No IS Missing

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: [illegible] — Signature: [signature] — Date: Month 02 Day 16 Year 00

COPY 3: Facility Mails To Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIS 0035579

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

#15 and 21

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Land Recycling and Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

5500 FM-LRWM0051 REV. 12/98

Form approved, OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. RI0980906986 Manifest Document No. 855552

2. Page 1 of 1

Information within the blue border is not required by Federal law but may be required by State law.

3. Generator's Name and Mailing Address: 21st Century Env. Mgt. Inc of RI, 35 Grystone St., Warwick, RI 02886

4. Generator's Phone (401) 739-5662

A. State Manifest Document Number: PAE 8685552

B. State Gen. ID

5. Transporter 1 Company Name: Republic Environmental Sys (Pa) Inc

6. US EPA ID Number: PAD982668582

C. State Trans. ID: PA-AH 0317

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (215) 822-2676

E. State Trans. ID: PA-AH

9. Designated Facility Name and Site Address: Republic Environmental Systems (PA) Inc, 2869 Sandstone Drive, Hatfield, PA 19440

10. US EPA ID Number: PAD085690192

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (215) 822-9995

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste Environmentally Hazardous Substances, Solid, N.O.S., 9, UN3077, PG III (F006, F007, F008, F009)	8	CF	3,500	P	F006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

	Lab Pack	Physical State		Lab Pack	Physical State
a.		S	c.		
b.			d.		

K. Handling Codes for Wastes Listed Above: a. S01 b. c. d.

15. Special Handling Instructions and Additional Information: Additional waste codes (F007, F008, F009)

Emergency Response Tel. 401-781-6340 ERG #171

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Richard J. Belanger — Signature: [signature] — Month 02 Day 25 Year 00

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name: MIKE BETTS — Signature: [signature] — Month 02 Day 25 Year 00

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jason Griffo — Signature: [signature] — Month 03 Day 02 Year 00

PAE 8685552

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

Copy 5 TSD Facility Mail to Generator

5

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

Manifest 18 + 23

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) (401) 277-2797

Form Approved. OMB No. 2050-0039 Expired 9/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R.I.D.9.8.0.9.0.6.9.8 Manifest Document No. 13 9633

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by state law.

3. Generator's Name and Mailing Address 21ST CENTURY ENV MGT INC OF R
25 GREYSTONE STREET
WARWICK RI 02886

4. Generator's Phone (401) 738-3262

5. Transporter 1 Company Name ~~21ST CENTURY ENV MGT INC OF RI~~ CT Falls

6. US EPA ID Number ~~R.I.D.9.8.0.9.0.6.9.8.6~~ CTD 983 806 41

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905

10. US EPA ID Number R.I.D.0.4.0.0.9.8.3.5.2

A. State Manifest Document Number RIS 0039635

B. Generator's Site Address SAME

C. State Transporter ID/License Plate CT 26657-A ME-02394

D. Transporter's Phone 800 [illegible]

E. State Transporter ID/License Plate

F. Transporter's Phone

G. Facility Mailing Address SAME

H. Facility's Phone 401 781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S.,9,UN3077,PG III, (CYANIDE DEBRIS),(F006)*	02	CM	12000	P	F006*
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. 3543466
c.
EMERGENCY PHONE (401) 781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
11A-F007,F008,F009 - Weight Estimated

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
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Printed/Typed Name: Richard J. Belmont — Signature: [signature] — Date: Month 03 Day 01 Year 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Carl Sherman — Signature: Carl Sherman — Date: Month 03 Day 01 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Lane Petrucci — Signature: [signature] — Date: Month 03 Day 01 Year 00

GENERATOR — TRANSPORTER — FACILITY

COPY 3: Facility to Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIS 0039635

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

(RI) 21474

#18 and 23

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767
(401) 277-2797

N 3096

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Expires 9/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. RID980906986 Manifest Document No. 41519
2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but may be required by state law.

3. Generator's Name and Mailing Address 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886
4. Generator's Phone (401) 738-3262

A. State Manifest Document Number: RIS 0041519
B. Generator's Site Address: SAME

5. Transporter 1 Company Name: 21ST CENTURY ENV MGT INC,OF RI
6. US EPA ID Number: RID980906986
7. Transporter 2 Company Name:
8. US EPA ID Number:

C. State Transporter ID/License Plate: 51518 RI
D. Transporter's Phone: 401-738-3262
E. State Transporter ID/License Plate:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905
10. US EPA ID Number: RI0040098342

G. Facility Mailing Address: SAME
H. Facility's Phone: 401-781-6340

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. SODIUM HYDROXIDE, SOLID,8,UN1823,PG II,(R004)	003	DM	01200	P	R004
b. RQ WASTE TOXIC SOLID, INORGANIC, N.O.S.,6.1, UN3288,PG II,(CYANIDE SOLIDS),(F006)*	003	BA	01000	P	F006*
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. 3032142 3X55 DM
b. 3032139 3X TRAKS
c.
d.
EMERGENCY PHONE (401)781-6340

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a. S01		c.	
b. S01		d.	

15. Special Handling Instructions and Additional Information
- 118-F007,F008,F009

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; or, if I am a small quantity, I have made good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: DANIEL ANDERSON
Signature:
Date: Month 03 Day 28 Year 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John Fredeiros
Signature:
Date: Month 03 Day 28 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Date: Month Day Year

GENERATOR
TRANSPORTER
FACILITY

COPY 3: Facility Mails To Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIS 0041519

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) (401) 277-2797

Form Approved. OMB No. 2050-0039 Expired 9/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 — Manifest Document No. 039636
2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but may be required by state law.

3. Generator's Name and Mailing Address: 21ST CENTURY ENV MGT INC OF RI, 25 GREYSTONE STREET, WARWICK RI 02886
4. Generator's Phone (401) 738-3262
5. Transporter 1 Company Name: ~~21ST CENTURY ENV MGT INC OF RI~~ WASTE MANAGEMENT OF CT, INC
6. US EPA ID Number: CTD 988 096 946
7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address: NORTHLAND ENVIRONMENTAL, INC, 275 ALLENS AVE, PROVIDENCE RI 02905
10. US EPA ID Number: R I D 0 4 0 0 9 8 3 5 2

A. State Manifest Document Number: RIS 0039636
B. Generator's Site Address: SAME
C. State Transporter's ID/License Plate
D. Transporter's Phone: 800-[illegible]
E. State Transporter's ID/License Plate: CT-[illegible]
F. Transporter's Phone: 203-[illegible]
G. Facility Mailing Address
H. Facility's Phone: 401-781-6340

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S.,9,UN3077,PG III, (CYANIDE DEBRIS),(F006)*	02	CM	30,000	P	F006*
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. 3543466
b.
c.
d. EMERGENCY PHONE (401)781-6340

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.	S01		c.		
b.			d.		

15. Special Handling Instructions and Additional Information
11A-F007,F008,F009 - weight Estimated

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; or, if I am a small quantity, I have made good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Richard J. Belmont — Signature: [signature] — Date (Month Day Year): 04/21/00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Carl Sherman — Signature: Carl Sherman — Date (Month Day Year): 04/21/00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Lance Petrucci — Signature: [signature] — Date (Month Day Year): 04/21/00

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

(RI) 21475

COPY 3: Facility Mails To Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIS 0039636

Rec'd 4/21/00

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Waste Management
235 Promenade Street, Providence, RI 02908-5767

N3815

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) (401) 277-2797 Form Approved, OMB No. 2050-0039 Expires 9/30/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. R I D 9 8 0 9 0 6 9 8 6 Manifest Document No. 20624
2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but may be required by state law.

3. Generator's Name and Mailing Address 21ST CENTURY ENV MGT INC OF RI
25 GREYSTONE STREET
WARWICK RI 02886
4. Generator's Phone (401) 738-3262

A. State Manifest Document Number RIS 0044124
B. Generator's Site Address SAME
C. State Generator's ID
D. Transporter's Phone
E. State Transporter's ID/License Plate RJ 54029
F. Transporter 2 Phone
G. Facility's Mailing Address SAME
H. Facility's Phone 401-781-6340

5. Transporter 1 Company Name: 21ST CENTURY ENV MGT INC,OF RI — 6. US EPA ID Number: R I D 9 8 0 9 0 6 9 8 6
7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address
NORTHLAND ENVIRONMENTAL, INC
275 ALLENS AVE
PROVIDENCE RI 02905
10. US EPA ID Number: R I D 0 4 0 0 9 8 3 5 2

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. RQ WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S., 9, UN3077, PG III (F002, F007, F008, F009)	06	MB CW	1800	P	F002
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. 35 30139
b.
c.
EMERGENCY PHONE (401) 781-6340

K. Handling Codes for Wastes Listed Above: Interim / Final / Interim / Final
a. R501
b.
c.
d.

15. Special Handling Instructions and Additional Information ADDITIONAL WASTE CODES (F002, F007, F009)
See Bill of Lading Attached for Special Equipment Info

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; or, if I am a small quantity, I have made good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Richard T. Belmont — Signature — Date Month Day Year: 06 23 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: S. Chris Clancy — Signature — Date Month Day Year: 06 22 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Elaine Belmont — Signature — Date Month Day Year: 06 23 00

COPY 3: Facility Mails To Generator

ALL 8 COPIES MUST BE LEGIBLE!!

RIS 0044124

EPA Form 8700-22 (3-84)

COPY 3: Facility Mails To Generator

(RI) 26531

APPENDIX 6

Bills of Lading - Decontaminated HW Equipment and Non-HW Equipment

CONTAINS HAZARDOUS MATERIALS

THIS SHIPPING ORDER

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. B.O.L. # 001

Carrier's No. 11/19/99

CARRIER: Conston Trucking SCAC Date

TO: Philip Services Corp
Consignee
Street 2095 Meadows Dr. East
Destination Fernley NV Zip 89408

FROM: Philip Services Corp.
Shipper
Street 25 Graystone St.
Origin Lawrence MA Zip 02836

Route: Vehicle Number U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT, (subject to correction)	RATE	LABELS REQUIRED (or exemption)
1		Schenk Filterpress Frame						
7		Pallets Containing Misc. Auxiliary Press Equipment (Pump Plates) etc						
1		Pallet Cont. Emt, Clamps, Mixer units						
2		Rubber Cont. Mixer Shafts				$3000.00	Fernley	
1		Blower/Fan unit 2700 CFM				Total = 10000 lbs		

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid Collect $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and other lawful charges.
Signature of Consignor:

If this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and other lawful charges. Signature of Consignor:

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
For

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER: Philip Services Corp.
PER:
DATE: 11/19/99

CARRIER: Laidlaw
PER:
DATE: 11/19/99

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper's No. B.O.L. #002

Carrier's No.

CARRIER: SCAC Date 11/23/99

TO: Northland Environmental Inc. PSC
Consignee 225 Plains Rd
Street
Destination Providence RI Zip 02905

FROM: PSC 21st Century Env. Inc
Shipper
Street 25 Grystone St.
Origin Worcester RI Zip 02886

Route:

Vehicle Number | U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (Subject to correction)	RATE	LABELS REQUIRED (or exemption)
2		Tank Truck from Site Pump #5 Tank						
		X Contents Decomposed/Cleaned						
		Solid Waste Transfer						

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)

If the shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignee)

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

The

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER: PSC
PER:
DATE: 11/23/99
EMERGENCY RESPONSE TELEPHONE NUMBER:

CARRIER: Northland Env. PSC
PER:
DATE: 11/23/99

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

THIS MEMORANDUM

Is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. B.O.L # 003

Carrier's No.

CARRIER: SCAC Date 12/20/95

TO: L+T Technologies
Consignee
Street 194 Spain St
Destination Lebanon Ohio Zip

FROM: Philosemics Corp 21st Century Blvd
Shipper
Street 25 Grayson St
Origin Warwick RI Zip 02821

Route: Vehicle Number U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
1		Refrigerant Recovery Unit (on skid mount)				1000 lbs.		

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Freight to be prepaid, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor will sign the following statement:
"The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges."
(Signature of Consignor)

If the shipment is to be delivered to the consignee without payment of freight and other lawful charges, the consignee will sign the following statement:
"The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges."
(Signature of Consignee)

RECEIVED, subject to the classifications and lawful filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of this governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the articles in this manifest are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER
DRIVERS SIGNATURE:

SHIPPER:
PER:
DATE: 12/20/95

CARRIER: Jones Trucking
PER:
DATE: 12/21/95

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation. (172.604).

FORM CBS-1 (REV. 5-93)

CONTAINS HAZARDOUS MATERIALS

B.O.L.# 004

STRAIGHT BILL OF LADING

ORIGINAL – NOT NEGOTIABLE

Shipper No. F-01290

Carrier No. MC 281732

Date 1-3-2000

S.A. FRETZ EQUIPMENT SERVICE

(Name of Carrier)

TO: Consignee J-T technologies	FROM: Shipper PSC.
Street	Street
Destination Pottstown, Pa. Zip Code	Origin Warwick, R.I.
Route	Vehicle Number 1491

No. Shipping Units	HM*	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (subject to correction)	Rate	CHARGES
8		Sections used machines	13,000		
		MISC PARTS			
		* DOOR #1 & 3 WITH ALL UNITS.			

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ $ COLLECT ☐

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding.
$ _____ per _____

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
SAF
Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of Consignor)

TOTAL CHARGES: $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collected

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER J-T Technologies

PER RICH Richard P Mackell Jr

CARRIER FRETZ EQUIP.

PER

DATE

RECEIVED AT DESTINATION _____

CONTAINS HAZARDOUS MATERIALS

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

B.O.L. #005

Shipper's No. #005

Carrier's No.

CARRIER: UES TRANSPORT

SCAC

Date 1/11/00

TO: JIT TECHNOLOGIES
Consignee JOHN WILKE
Street WASHINGTON & 3rd. HWY
Destination POTTSTOWN PA. Zip 19464

FROM: RSC Distributing Ken. Mystic
Shipper
Street 25 Grystone St.
Origin WARWICK RI Zip 02886

Route:

Vehicle Number

U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
2	N/A	Dryer units w/ heating units + tools complete	N/A					

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Signature of Consignor

If charges are prepaid, write or stamp here "To be prepaid."

RECEIVED, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

For

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER: Ken Mystic
PER:
DATE: 1/11/00

CARRIER: John E Burke
PER:
DATE: 1/11/00

EMERGENCY RESPONSE TELEPHONE NUMBER: N/A

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper's No.

Carrier's No. B.O.L. 006

CARRIER: CNC

SCAC

Date 2/1/00

TO:
Consignee CNC International
Street Privilege St.
Destination Woonsocket RI Zip

FROM: PSC 24 Cleaning Equipment
Shipper
Street 25 Grystone St
Origin Warwick RI Zip 02886

Route:

Vehicle Number

U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
1		5 HP Stainless Steel Cart Pump						

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER: Ron Deborn
PER:
DATE: 2/1/00
EMERGENCY RESPONSE
TELEPHONE NUMBER:

CARRIER:
PER:
DATE:

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper's No.

Carrier's No. 3.2.2.2.2.7

CARRIER: CNC

SCAC

Date 2/2/00

TO: CNC International
Consignee
Street Privilege St.
Destination Woonsocket RI Zip

FROM: PS & Associates Inc.
Shipper
Street 25 Keystone St
Origin Lincoln RI Zip 02886

Route:

Vehicle Number

U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
2		1800gal Polyethylene (HDPE) Tanks (DOT-1,0-2) (Formerly used for Product Clean Storage)						
1		7.5HP Stainless Steel Centrifugal Pump						
1		3000gal HDPE Tank (DOT-2,0-2) (Formerly used for Product Storage)						

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER: PS
PER:
DATE: 2/2/00
EMERGENCY RESPONSE
TELEPHONE NUMBER:

CARRIER: CNC
PER:
DATE:

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper's No. BILL # 008

Carrier's No.

CARRIER: Republic Env. Sys (Transport Group) SCAC Date 2/25/06

TO: Phillip Services Republic Env. Sys (PA) Inc
Consignee
Street 2369 Sandstone Drive
Destination Hatfield PA Zip 19440

FROM: Phillip Services 21st Century Environmental
Shipper
Street 25 Grayson St.
Origin Warwick RI Zip 02886

Route:

Vehicle Number

U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (If HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
1		Chemical Mixture (Steel)				200 lbs		
1		Phenol/Phenolic Solution				50 lbs		
2		Safety Solvent/Hydrocarbon Solvent Gasoline				50 lbs		
1		100 Fire Extinguisher (used) Fire Dept Equipment (Big Size) Fire Rescue Equipment (misc) (Heavy)				50 lbs		
1		40 gal Hope Production Tank				20 lbs (or 37 lbs)		

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Signature of Consignor

If this is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. Signature of Consignor

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER
DRIVERS SIGNATURE:

SHIPPER: Re Warwick
PER:
DATE: 2/25/06

CARRIER: Republic Trans Group
PER: Mike Beth
DATE: 2/25/06

EMERGENCY RESPONSE
TELEPHONE NUMBER: ( )

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper's No. B.O.L. #009

Carrier's No.

CARRIER: St. Gerard Motor Trans SCAC Date 3/7/00

TO: CNC
Consignee
Street Pawtucket St.
Destination Woonsocket RI Zip

FROM: PSC/2, Scituate Ent. Park Inc
Shipper
Street 25 Keystone St.
Origin Providence RI Zip 02906

Route: Vehicle Number U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
2		Stainless Steel Tanks (HP-1 + HP-2) Qest.				6500 lbs		

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of Consignor)

If this shipment is to be delivered to the consignee without recourse on the consignor, the consignee shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and other lawful charges.
(Signature of Consignee)

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER
DRIVERS SIGNATURE:

SHIPPER: PSC
PER:
DATE: 3/7/00

CARRIER: St. Gerard Motor Trans/Pg CNC
PER:
DATE: 3/7/00

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

THIS SHIPPING ORDER must be legibly filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. B.L. #229

Carrier's No.

CARRIER: St. Germain Motor Trans SCAC Date 3/17/06

TO: CNC
Consignee
Street Pawtucket St.
Destination Warwick RI Zip

FROM: PSC/D, Warwick Env. Mgt Inc
Shipper
Street 25 Gaspee St.
Origin Warwick RI Zip 02886

Route: Vehicle Number U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
2		Stainless Steel Tanks (HP Insp 2) Oasis.				650 lbs		

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid Collect $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per.

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in effect on the date of this contract, or (2) if this is a rail or rail-water shipment, in the applicable freight classification or tariff lawfully filed with the carrier or carriers providing the service, which are hereby made a part of this contract and are available to the shipper, on request, and to all parties interested in the shipment. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

If this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignee)

Where the applicable rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ per ___.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the rates, terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER:
PER:
DATE: 3/17/06
EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

CARRIER: St. Germain Motor Trans/Re CNC
PER:
DATE: 3/
Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

FORM - FREIGHT (REV. 1/00)

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper's No. (B 1042)

Carrier's No. B.O.L # 010

Date 3/14/05

CARRIER: SA Fuel

SCAC

TO: J+T Technologies Inc
Consignee Washington & Industrial Hwy
Street
Destination Pottstown Pa Zip 19464

FROM: RSC 2nd Century Fed Inc
Shipper 25 Tanystone St
Street
Origin Warminster PA Zip 02991

Route:

Vehicle Number | U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
3		Lightning Sidewinder Amplifiers (Amplifier Stacks)						
1		Empty/Crushed Tapecast mixer w/ Hard Lined Sweep						
1		Lift to Dryer Unit						
2		~~Water Tanks Fusion Units (Exhaust with Systems)~~ Mylar Liner						
3		Dump Trays w/wheels						

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid / Collect $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER:
PER:
DATE: 3/14/05

CARRIER:
PER:
DATE:

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PS 20 F 3/4

Carrier's No. BN. 010

CARRIER: S. Fritz

SCAC

Date 3/14/00

TO: J & T Technologies Inc
Consignee
Street Washington and Pottstown Hwy
Destination Pottstown PA Zip 19464

FROM: PSC / 24th Century Fine Mfg.
Shipper
Street 25 Commerce St.
Origin Warwick RI Zip 02886

Route:

Vehicle Number

U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
1		Polyurethane Foam Parts						

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Shipper Signature

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Bill of Lading set forth (in the classification or tariffs governing the transportation of this shipment).

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the undersigned and accepted for himself and his assigns.

The carrier only agrees to furnish equipment and properly dunnage, marked and placed on and in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER: PSC / [illegible]
PER: [illegible]
DATE: 3/14/00

CARRIER: [illegible]
PER: [illegible]
DATE:

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

FORM 7 REV 3-99

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

THIS SHIPPING ORDER

must be legibly filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. B.O.L # 014

Carrier's No. none

CARRIER: SCAC Date 5/31/00

TO: Mercer machinery Corp
Consignee
Street 66 Troy St.
Destination Fall River, MA Zip 02720

FROM: PSC/2.5" Celtray Fe MS MS
Shipper
Street 25 Longfellow St.
Origin Warwick RI Zip 02889

Route: Vehicle Number U.S. DOT Hazm.a: Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
3		12' 0 x 14' 11 HDPE Tanks	n/a			≈12,000 lbs		
3		3" Valves (Steel)	n/a					
		Shipping Papers Reflect Tanks Supplied To Ship Under Status						

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid ☐ Collect $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the Bill of Lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the Bill of Lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agent.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER: PSC/2.5" Celtray Enclosure
PER:
DATE: 5-31-00
EMERGENCY RESPONSE
TELEPHONE NUMBER: ( )

CARRIER:
PER:
DATE:

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

FORM 1 CELS M7 (REV 2/94)

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper's No. Bol #12

Carrier's No.

CARRIER: Joe V. Manning Trucking SCAC Date 1/10/00

TO: PSC Norwood Env. Inc
Consignee
Street 275 Allens Ave
Destination Providence RI Zip 02905

FROM: Zi Emi - Philip Services Corp.
Shipper
Street 25 Grafstone St.
Origin Warwick RI Zip 02886

Route: | Vehicle Number | U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
1		1" OB 072-666 Gas Pump w/ Fab Block						
1		1½" OB 072-666 Gas Pump w/ Fab Cover						

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

RECEIVED, subject to the classifications and lawful tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions of the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER: Robert Bolton PSC
PER:
DATE: 1/10/00
EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

CARRIER: Joe Veiga
PER: PSC
DATE: 1/10/00

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

APPENDIX 7

Analytical Reports - Equipment Decontamination Rinsate

TANK D-1

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr. Rick Belmont
25 Greystone Street
Warwick, RI 02886

Date Received: 4/20/00
Date Reported: 4/26/00
P.O. #: W-0040
Work Order #: 0004-04625

DESCRIPTION: FINAL DECONTAMINATION (ONE AQUEOUS SAMPLE)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253799 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mick
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 4/20/00
Work Order # 0004-04625

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: TKD-1 DECON FINAL RINSEWATER FROM TANK CLOSURE 4/20/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
pH	6.3		SU	EPA 150.1	4/20/00	21:40	BC
HEXAVALENT CHROMIUM	<0.02	0.02	mg/l	SM3500-CR D	4/20/00	22:45	BC
TOTAL CYANIDE	0.01	0.01	mg/l	EPA 335.2	4/26/00	9:25	SAS
TOTAL METALS							
ARSENIC	<0.1	0.1	mg/l	EPA 200.7	4/25/00	18:59	KSL
BARIUM	<0.005	0.005	mg/l	EPA 200.7	4/25/00	18:59	KSL
CADMIUM	<0.005	0.005	mg/l	EPA 200.7	4/25/00	18:59	KSL
CHROMIUM	<0.03	0.03	mg/l	EPA 200.7	4/25/00	18:59	KSL
COPPER	<0.05	0.05	mg/l	EPA 200.7	4/25/00	18:59	KSL
LEAD	<0.04	0.04	mg/l	EPA 200.7	4/25/00	18:59	KSL
NICKEL	<0.02	0.02	mg/l	EPA 200.7	4/25/00	18:59	KSL
SELENIUM	<0.2	0.2	mg/l	EPA 200.7	4/25/00	18:59	KSL
SILVER	<0.02	0.02	mg/l	EPA 200.7	4/25/00	18:59	KSL
ZINC	<0.02	0.02	mg/l	EPA 200.7	4/25/00	18:59	KSL

TANK D-2, D-3

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr. Rick Belmont
25 Greystone Street
Warwick, RI 02886

Date Received: 5/01/00
Date Reported: 5/16/00
P.O. #:
Work Order #: 0005-05012

DESCRIPTION: FINAL DECONTAMINATION PROJECT# W-0041 (TWO AQUEOUS SAMPLES)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James F. Mach
Vice President

Paul Berrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/01/00
Work Order # 0005-05012

Approved by: R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: TKD-2 DECON FINAL RINSE GRAB 05/01/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	7.6		SU	EPA 150.1	5/01/00 22:00	EC
TOTAL CYANIDE	<0.01	0.01	mg/l	EPA 335.2	5/02/00 14:00	SAS
HEXAVALENT CHROMIUM	<0.02	0.02	mg/l	SM3500-CR D	5/01/00 20:15	EC
TOTAL METALS						
ARSENIC	<0.1	0.1	mg/l	EPA 200.7	5/15/00 18:42	VIK
BARIUM	0.005	0.005	mg/l	EPA 200.7	5/15/00 18:42	VIK
CADMIUM	<0.005	0.005	mg/l	EPA 200.7	5/15/00 18:42	VIK
CHROMIUM	<0.03	0.03	mg/l	EPA 200.7	5/15/00 18:42	VIK
COPPER	<0.05	0.05	mg/l	EPA 200.7	5/15/00 18:42	VIK
LEAD	<0.04	0.04	mg/l	EPA 200.7	5/15/00 18:42	VIK
NICKEL	<0.02	0.02	mg/l	EPA 200.7	5/15/00 18:42	VIK
SELENIUM	<0.2	0.2	mg/l	EPA 200.7	5/15/00 18:42	VIK
SILVER	0.05	0.02	mg/l	EPA 200.7	5/15/00 18:42	VIK
ZINC	0.02	0.02	mg/l	EPA 200.7	5/15/00 18:42	VIK

Sample #: 002
SAMPLE DESCRIPTION: TKD-3 DECON FINAL RINSE GRAB 05/01/00 @1010

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	9.1		SU	EPA 150.1	5/01/00 22:00	EC
TOTAL CYANIDE	<0.01	0.01	mg/l	EPA 335.2	5/03/00 9:35	SAS
HEXAVALENT CHROMIUM	<0.02	0.02	mg/l	SM3500-CR D	5/01/00 20:15	EC
TOTAL METALS						
ARSENIC	<0.1	0.1	mg/l	EPA 200.7	5/15/00 22:28	VIK
BARIUM	0.007	0.005	mg/l	EPA 200.7	5/15/00 22:28	VIK
CADMIUM	<0.005	0.005	mg/l	EPA 200.7	5/15/00 22:28	VIK
CHROMIUM	<0.03	0.03	mg/l	EPA 200.7	5/15/00 22:28	VIK
COPPER	<0.05	0.05	mg/l	EPA 200.7	5/15/00 22:28	VIK
LEAD	<0.04	0.04	mg/l	EPA 200.7	5/15/00 22:28	VIK
NICKEL	<0.02	0.02	mg/l	EPA 200.7	5/15/00 22:28	VIK
SELENIUM	<0.2	0.2	mg/l	EPA 200.7	5/15/00 22:28	VIK
SILVER	<0.02	0.02	mg/l	EPA 200.7	5/15/00 22:28	VIK
ZINC	0.03	0.02	mg/l	EPA 200.7	5/15/00 22:28	VIK

- SCRUBBER TOWER & BLOWER
- RECEIVING GRAVITY LINES

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr. Rick Belmont
25 Greystone Street
Warwick, RI 02886

Date Received: 6/01/00
Date Reported: 6/08/00
P.O. #:
Work Order #: 0006-06283

DESCRIPTION: SIX FINAL DECON. RINSEWATER SAMPLES PROJECT #W-0050

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 6/01/00
Work Order # 0006-06283

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: SCRUBBER TOWER DECON RESAMPLE GRAB 05/31/00 @1445

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
pH	7.3		SU	EPA 150.1	6/01/00	18:45	EC
TOTAL CYANIDE	<0.01	0.01	mg/l	EPA 335.2	6/02/00	9:50	SAS
HEXAVALENT CHROMIUM	<0.02	0.02	mg/l	SM3500-CR D	6/01/00	11:00	SB
TOTAL METALS							
ARSENIC	<0.1	0.1	mg/l	EPA 200.7	6/07/00	14:01	RGM
BARIUM	<0.005	0.005	mg/l	EPA 200.7	6/07/00	14:01	RGM
CADMIUM	<0.005	0.005	mg/l	EPA 200.7	6/07/00	15:35	RGM
CHROMIUM	<0.03	0.03	mg/l	EPA 200.7	6/07/00	14:01	RGM
COPPER	0.07	0.05	mg/l	EPA 200.7	6/07/00	14:01	RGM
LEAD	<0.04	0.04	mg/l	EPA 200.7	6/07/00	14:01	RGM
MERCURY	<0.0005	0.0005	mg/l	EPA 245.1	6/06/00	16:14	RJC
NICKEL	0.03	0.02	mg/l	EPA 200.7	6/07/00	14:01	RGM
SELENIUM	<0.2	0.2	mg/l	EPA 200.7	6/07/00	14:01	RGM
SILVER	<0.02	0.02	mg/l	EPA 200.7	6/07/00	15:35	RGM
ZINC	0.03	0.02	mg/l	EPA 200.7	6/07/00	14:01	RGM

Sample #: 002
SAMPLE DESCRIPTION: SCRUBBER BLOWER FAN DECON RESAMPLE FINAL GRAB 05/31/00 @1450

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
pH	9.1		SU	EPA 150.1	6/01/00	18:45	EC
TOTAL CYANIDE	<0.01	0.01	mg/l	EPA 335.2	6/02/00	9:50	SAS
HEXAVALENT CHROMIUM	<0.02	0.02	mg/l	SM3500-CR D	6/01/00	11:00	SB
TOTAL METALS							
ARSENIC	<0.1	0.1	mg/l	EPA 200.7	6/07/00	14:05	RGM
BARIUM	<0.005	0.005	mg/l	EPA 200.7	6/07/00	14:05	RGM
CADMIUM	<0.005	0.005	mg/l	EPA 200.7	6/07/00	15:35	RGM
CHROMIUM	<0.03	0.03	mg/l	EPA 200.7	6/07/00	14:05	RGM
COPPER	0.07	0.05	mg/l	EPA 200.7	6/07/00	14:05	RGM
LEAD	<0.04	0.04	mg/l	EPA 200.7	6/07/00	14:05	RGM
MERCURY	<0.0005	0.0005	mg/l	EPA 245.1	6/06/00	16:14	RJC
NICKEL	<0.02	0.02	mg/l	EPA 200.7	6/07/00	14:05	RGM
SELENIUM	<0.2	0.2	mg/l	EPA 200.7	6/07/00	14:05	RGM
SILVER	<0.02	0.02	mg/l	EPA 200.7	6/07/00	14:05	RGM
ZINC	0.04	0.02	mg/l	EPA 200.7	6/07/00	15:35	RGM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 6/01/00
Work Order # 0006-06283

Approved by: R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: ALKALI GRAVITY RECEIVING PIPING FINAL RINSE GRAB 05/31/00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
pH	9.1		SU	EPA 150.1	6/01/00	18:45	EC
TOTAL CYANIDE	<0.01	0.01	mg/l	EPA 335.2	6/02/00	9:50	SAS
HEXAVALENT CHROMIUM	<0.02	0.02	mg/l	SM3500-CR D	6/01/00	11:00	SB
TOTAL METALS							
ARSENIC	<0.1	0.1	mg/l	EPA 200.7	6/07/00	14:08	RGM
BARIUM	<0.005	0.005	mg/l	EPA 200.7	6/07/00	15:35	RGM
CADMIUM	<0.005	0.005	mg/l	EPA 200.7	6/07/00	14:08	RGM
CHROMIUM	<0.03	0.03	mg/l	EPA 200.7	6/07/00	14:08	RGM
COPPER	<0.05	0.05	mg/l	EPA 200.7	6/07/00	14:08	RGM
LEAD	<0.04	0.04	mg/l	EPA 200.7	6/07/00	14:08	RGM
MERCURY	<0.0005	0.0005	mg/l	EPA 245.1	6/06/00	16:14	RJC
NICKEL	0.03	0.02	mg/l	EPA 200.7	6/07/00	14:08	RGM
SELENIUM	<0.2	0.2	mg/l	EPA 200.7	6/07/00	14:08	RGM
SILVER	<0.02	0.02	mg/l	EPA 200.7	6/07/00	15:35	RGM
ZINC	<0.02	0.02	mg/l	EPA 200.7	6/07/00	14:08	RGM

Sample #: 004
SAMPLE DESCRIPTION: ACID GRAVITY RECEIVING PIPING FINAL RINSE GRAB 05/31/00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
pH	9.2		SU	EPA 150.1	6/01/00	18:45	EC
TOTAL CYANIDE	<0.01	0.01	mg/l	EPA 335.2	6/02/00	9:50	SAS
HEXAVALENT CHROMIUM	<0.02	0.02	mg/l	SM3500-CR D	6/01/00	11:00	SB
TOTAL METALS							
ARSENIC	<0.1	0.1	mg/l	EPA 200.7	6/07/00	14:14	RGM
BARIUM	<0.005	0.005	mg/l	EPA 200.7	6/07/00	14:14	RGM
CADMIUM	<0.005	0.005	mg/l	EPA 200.7	6/07/00	14:14	RGM
CHROMIUM	<0.03	0.03	mg/l	EPA 200.7	6/07/00	14:14	RGM
COPPER	<0.05	0.05	mg/l	EPA 200.7	6/07/00	14:14	RGM
LEAD	0.08	0.04	mg/l	EPA 200.7	6/07/00	14:14	RGM
MERCURY	<0.0005	0.0005	mg/l	EPA 245.1	6/06/00	16:14	RJC
NICKEL	<0.02	0.02	mg/l	EPA 200.7	6/07/00	14:14	RGM
SELENIUM	<0.2	0.2	mg/l	EPA 200.7	6/07/00	14:14	RGM
SILVER	0.05	0.02	mg/l	EPA 200.7	6/07/00	15:35	RGM
ZINC	<0.02	0.02	mg/l	EPA 200.7	6/07/00	14:14	RGM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 6/01/00
Work Order # 0006-06283

Approved by: R.I. Analytical

RESAMPLE

Sample #: 005
SAMPLE DESCRIPTION: SPILLAGE GRAVITY RECEIVING PIPING FINAL RINSE GRAB 05/31/00 *

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
pH	9.2		SU	EPA 150.1	6/01/00	18:45	EC
TOTAL CYANIDE	* 1.04	0.01	mg/l	EPA 335.2	6/02/00	9:50	SAS
HEXAVALENT CHROMIUM	<0.02	0.02	mg/l	SM3500-CR D	6/01/00	11:00	SB
TOTAL METALS							
ARSENIC	<0.1	0.1	mg/l	EPA 200.7	6/07/00	14:15	RGM
BARIUM	<0.005	0.005	mg/l	EPA 200.7	6/07/00	14:15	RGM
CADMIUM	<0.005	0.005	mg/l	EPA 200.7	6/07/00	14:15	RGM
CHROMIUM	<0.03	0.03	mg/l	EPA 200.7	6/07/00	14:15	RGM
COPPER	<0.05	0.05	mg/l	EPA 200.7	6/07/00	14:15	RGM
LEAD	<0.04	0.04	mg/l	EPA 200.7	6/07/00	14:15	RGM
MERCURY	<0.0005	0.0005	mg/l	EPA 245.1	6/06/00	16:14	RJC
NICKEL	* 0.56	0.02	mg/l	EPA 200.7	6/07/00	14:15	RGM
SELENIUM	<0.2	0.2	mg/l	EPA 200.7	6/07/00	14:15	RGM
SILVER	<0.02	0.02	mg/l	EPA 200.7	6/07/00	15:35	RGM
ZINC	0.05	0.02	mg/l	EPA 200.7	6/07/00	14:15	RGM

Sample #: 006
SAMPLE DESCRIPTION: CYANIDE GRAVITY RECEIVING PIPING FINAL RINSE GRAB 05/31/00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
pH	9.2		SU	EPA 150.1	6/01/00	18:45	EC
TOTAL CYANIDE	<0.01	0.01	mg/l	EPA 335.2	6/02/00	9:50	SAS
HEXAVALENT CHROMIUM	<0.02	0.02	mg/l	SM3500-CR D	6/01/00	11:00	SB
TOTAL METALS							
ARSENIC	<0.1	0.1	mg/l	EPA 200.7	6/07/00	14:21	RGM
BARIUM	<0.005	0.005	mg/l	EPA 200.7	6/07/00	14:21	RGM
CADMIUM	<0.005	0.005	mg/l	EPA 200.7	6/07/00	14:21	RGM
CHROMIUM	<0.03	0.03	mg/l	EPA 200.7	6/07/00	14:21	RGM
COPPER	<0.05	0.05	mg/l	EPA 200.7	6/07/00	14:21	RGM
LEAD	<0.04	0.04	mg/l	EPA 200.7	6/07/00	14:21	RGM
MERCURY	<0.0005	0.0005	mg/l	EPA 245.1	6/06/00	16:14	RJC
NICKEL	<0.02	0.02	mg/l	EPA 200.7	6/07/00	14:21	RGM
SELENIUM	<0.2	0.2	mg/l	EPA 200.7	6/07/00	14:21	RGM
SILVER	<0.02	0.02	mg/l	EPA 200.7	6/07/00	14:21	RGM
ZINC	0.03	0.02	mg/l	EPA 200.7	6/07/00	14:21	RGM

- "SPILLAGE" LINE RESAMPLE

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/Northland
Attn: Mr. Rick Belmont
275 Allens Ave
Providence, RI 02905

Date Received: 6/15/00
Date Reported: 6/20/00
P.O. #: W-0054
Work Order #: 0006-06958

DESCRIPTION: PROJECT #W-0054 (ONE AQUEOUS SAMPLE)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James R. Medi
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-0500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965 5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/Northland
Date Received: 6/15/00
Work Order # 0006 06958

Approved by: _____
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: RESAMPLE OF SPILLAGE GRAVITY PIPE GRAB 06/15/00 @1100

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL CYANIDE	<0.01	0.01	mg/l	EPA 335.2	6/16/00 9:45	SAS
TOTAL METALS						
NICKEL	<0.02	0.02	mg/l	EPA 200.7	6/20/00 14:06	RGM

RECEIVING SUMP LINES

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services Corporation
Attn: Mr. Rick Belmont
Northland Environmental, Inc.
275 Allens Avenue
Providence, RI 02905

Date Received: 6/15/00
Date Reported: 6/20/00
P.O. #:
Work Order #: 0006-06953

DESCRIPTION: PROJECT #W-0054 (TWO AQUEOUS SAMPLES)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
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950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services Corporation
Date Received: 6/15/00
Work Order # 0006-06953

Approved by: R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: TB/ACID SUMP GRAVITY DRAIN LINE GRAB 06/15/00 @1015

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.02	0.02	mg/l	SM3500-CR D	6/15/00	20:30	EC
pH	9.4		SU	EPA 150.1	6/15/00	21:25	GFY
TOTAL CYANIDE	<0.01	0.01	mg/l	EPA 335.2	6/16/00	9:45	SAS
TOTAL METALS							
ARSENIC	<0.1	0.1	mg/l	EPA 200.7	6/20/00	14:02	RGM
BARIUM	0.008	0.005	mg/l	EPA 200.7	6/20/00	14:02	RGM
CADMIUM	<0.005	0.005	mg/l	EPA 200.7	6/20/00	14:02	RGM
CHROMIUM	<0.03	0.03	mg/l	EPA 200.7	6/20/00	14:02	RGM
COPPER	<0.05	0.05	mg/l	EPA 200.7	6/20/00	14:02	RGM
LEAD	<0.04	0.04	mg/l	EPA 200.7	6/20/00	14:02	RGM
MERCURY	<0.0005	0.0005	mg/l	EPA 245.1	6/20/00	16:47	RJC
NICKEL	<0.02	0.02	mg/l	EPA 200.7	6/20/00	14:02	RGM
SELENIUM	<0.2	0.2	mg/l	EPA 200.7	6/20/00	14:02	RGM
SILVER	<0.02	0.02	mg/l	EPA 200.7	6/20/00	14:02	RGM
ZINC	0.33	0.02	mg/l	EPA 200.7	6/20/00	14:02	RGM

Sample #: 002
SAMPLE DESCRIPTION: TB/ALK CYANIDE DRAIN LINE GRAB 06/15/00 @1030

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.02	0.02	mg/l	SM3500-CR D	6/15/00	20:30	EC
pH	9.0		SU	EPA 150.1	6/15/00	21:25	GFY
TOTAL CYANIDE	<0.01	0.01	mg/l	EPA 335.2	6/16/00	9:45	SAS
TOTAL METALS							
ARSENIC	<0.1	0.1	mg/l	EPA 200.7	6/20/00	14:06	RGM
BARIUM	0.006	0.005	mg/l	EPA 200.7	6/20/00	14:06	RGM
CADMIUM	0.010	0.005	mg/l	EPA 200.7	6/20/00	14:06	RGM
CHROMIUM	<0.03	0.03	mg/l	EPA 200.7	6/20/00	14:06	RGM
COPPER	<0.05	0.05	mg/l	EPA 200.7	6/20/00	14:06	RGM
LEAD	<0.04	0.04	mg/l	EPA 200.7	6/20/00	14:06	RGM
MERCURY	<0.0005	0.0005	mg/l	EPA 245.1	6/20/00	16:47	RJC
NICKEL	<0.02	0.02	mg/l	EPA 200.7	6/20/00	14:06	RGM
SELENIUM	<0.2	0.2	mg/l	EPA 200.7	6/20/00	14:06	RGM
SILVER	<0.02	0.02	mg/l	EPA 200.7	6/20/00	14:06	RGM
ZINC	<0.02	0.02	mg/l	EPA 200.7	6/20/00	14:06	RGM

Philip Services / 21st Century

Marketing / Analytical Form

Lab ID # : Final Rinsate Frac. Press #2 (Frame)
Broker : _____
Generator : Warwick Plant Closure

Date : 11/4/99
Volume (gal) : -
Frequency : -

RCRA Codes	METALS	TOTAL mg/L	LEACHABLE mg/L
	Sn	-	
	Tl	NO	
D004	As	ND	
D010	Se	ND	
	Sb	NO	
	P	—	
	Zn	ND	
D006	Cd	ND	
D008	Pb	ND	
	Ni	ND	
D005	Ba	ND	
	Fe	ND	
	Au	NO	
	Pt	—	
D007	Cr	ND	
	Be	NO	
	Cu	ND	
D011	Ag	ND	
CF+6	Pd	NO mg	
	Al	ND	

Waste Type : CN- / ALK / ACID

Physical State : Liquid / Solid / Multi-Phase

Color : _____

* pH : 8.75 s.u. (D002 if <2.0 or >12.5)

Specific Gravity : _____ g/mL

VOC : _____ ppm

COD : _____ ppm

Cyanide : Free _____ ppm
* Total 20.04 ppm

Ammonia : Direct _____ ppm
Distilled _____ ppm

Nitrates : _____ ppm

Acid / Caustic Load : _____ %

Estimated % Solids: _____ %

Need Signed Profile : YES / NO
Comments :
was Performed in conjunction w/ Prod.

EPA Codes Included on Profile : _____

EPA Codes Added to Profile : _____

Laboratory Manager : [signature] Date: 11/8/99

Philip Services / 21st Century

Marketing / Analytical Form

Lab ID # : Final Rinse Flow Rinse #2 (Plastics)
Broker : _____
Generator : Wurtz Plant Cleaner

Date : 11/4/99
Volume (gal) : –
Frequency : _____

RCRA Codes	METALS	TOTAL mg/L	LEACHABLE mg/L
	Sn	–	
	Tl	ND	
D004	As	ND	
D010	Se	ND	
	Sb	ND	
	P	–	
	Zn	ND	
D006	Cd	ND	
D008	Pb	ND	
	Ni	ND	
D005	Ba	ND	
	Fe	ND	
	Au	ND	
	Pt	–	
D007	Cr	ND	
	Be	ND	
	Cu	ND	
D011	Ag	ND	
Cr+6	Pd	ND	
	Al	ND	

Waste Type : CN- / ALK / ACID

Physical State : Liquid / Solid / Multi-Phase

Color : _____

pH : 8.65 s.u. (D002 if <2.0 or >12.5)

Specific Gravity : _____ g/mL

VOC : _____ ppm

COD : _____ ppm

Cyanide : Free _____ ppm
Total <0.04 ppm

Ammonia : Direct _____ ppm
Distilled _____ ppm

Nitrates : _____ ppm

Need Signed Profile : YES / NO
Comments :
Wurtz Partner's to Northwest Rinse flow

Acid / Caustic Load : _____ %

Estimated % Solids: _____ %

EPA Codes Included on Profile : _____

EPA Codes Added to Profile : _____

Laboratory Manager : [signature] Date 11/10/99

Philip Services / 21st Century

Marketing / Analytical Form

Lab ID # : Final Rinse Filter Press (Pump)
Broker : _____
Generator : Ironwood Plating Closure

Date : 11/4/99
Volume (gal) : 5
Frequency : _____

RCRA Codes	METALS	TOTAL mg/L	LEACHABLE mg/L
	Sn	–	
	Tl	ND	
D004	As	ND	
D010	Se	ND	
	Sb	ND	
	P	–	
	Zn	ND	
D006	Cd	ND	
D008	Pb	ND	
	Ni	ND	
D005	Ba	ND	
	Fe	ND	
	Au	ND	
	Pt	–	
D007	Cr	ND	
	Be	ND	
	Cu	ND	
D011	Ag	ND	
Cr+6	~~Pd~~	ND	
	Al	ND	

Waste Type : CN- / ALK / ACID

Physical State : Liquid / Solid / Multi-Phase

Color : _____

* pH : 8.7 s.u. (D002 if <2.0 or >12.5)

Specific Gravity : _____ g/mL

VOC : _____ ppm

COD : _____ ppm

Cyanide : Free _____ ppm
* Total <0.04 ppm

Ammonia : Direct _____ ppm
Distilled _____ ppm

Nitrates : _____ ppm

Acid / Caustic Load : _____ %

Estimated % Solids: _____ %

Need Signed Profile : YES / NO
Comments :
Will Perform at North Side N./Rov.

EPA Codes Included on Profile : _____

EPA Codes Added to Profile : _____

Laboratory Manager : [signature] Date: 11/8/99

PHILIP SERVICES/21st CENTURY

Marketing / Analytical Form

Lab ID # Final Rinse Dryer #1 Date : 12/15/99
Broker: — Volume(gal) : _____
Generator: Pacific Nuclear Frequency : _____

RCRA codes	Metals	Total mg/L	Leachable mg/L
	Al	ND	
D007	Cr	ND	
	Cu	ND	
	Fe	ND	
	Ni	ND	
	Zn	ND	
D004	As	ND	
D005	Ba	ND	
	Be	ND	
D006	Cd	ND	
D008	Pb	ND	
	~~P~~	—	
D010	Se	ND	
	Tl	ND	
	Sb	ND	
	~~Sn~~	—	
	Au	ND	
	~~Pd~~	—	
CS #6	~~Pt~~	ND	
D011	Ag	ND	

Waste type : CN- / Alk / Acid

Physical State : Liquid / Solid / Multi-Phase

Color : Clear

pH : 9.75 s.u. (DOO2 if <2.0 or >12.5)

Specific Gravity : _____ g/mL

VOC : _____ ppm

COD : _____ ppm

Cyanide : Free : _____ ppm
Total : ND ppm

Ammonia : Direct : _____ ppm
Distilled : _____ ppm

Nitrates : _____ ppm

Acid / Caustic Load : _____ %

Estimated % Solids : _____ %

Need Signed Profile: YES / NO
Comments:

Signed By Tr/Pres.

EPA Codes Included on Profile: _____

EPA Codes Added to Profile: _____

Laboratory Manager: OR Richard Bitner Date: 12/21/99

OK RB 12/21/99

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PHILIP SERVICES/21st CENTURY

Marketing / Analytical Form

Lab ID # Final Rinse Pryer #2 Date : 12/15/99
Broker: – Volume(gal) : –
Generator: Pfizer Warwick Frequency : –

RCRA codes	Metals	Total mg/L	Leachable mg/L
	Al	ND	
D007	Cr	ND	
	Cu	ND	
	Fe	ND	
	Ni	ND	
	Zn	ND	
D004	As	ND	
D005	Ba	ND	
	Be	ND	
D006	Cd	ND	
D008	Pb	ND	
	~~Hg~~	–	
D010	Se	ND	
	Tl	ND	
	Sb	ND	
	~~Sn~~	–	
	Au	ND	
	~~Pd~~	–	
CF46	~~Pt~~	ND	
D011	Ag	ND	

Waste type : CN- / Alk / Acid

Physical State : Liquid / Solid / Multi-Phase

Color : Clear

pH : 9.70 s.u. (DOO2 if <2.0 or >12.5)

Specific Gravity : _____ g/mL

VOC : _____ ppm

COD : _____ ppm

Cyanide : Free : _____ ppm
* Total : ND ppm

Ammonia : Direct : _____ ppm
Distilled : _____ ppm

Nitrates : _____ ppm

Acid / Caustic Load : _____ %

Estimated % Solids : _____ %

Need Signed Profile: YES / NO
Comments:

Analy 2nd Batch/Final

EPA Codes Included on Profile: _____

EPA Codes Added to Profile: _____

Laboratory Manager: [signature] Date: 12/21/99

OK LD 12/21/99

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PHILIP SERVICES/21st CENTURY

Marketing / Analytical Form

Lab ID # FINAL RINSE Dryer #3 Date : 12/14/99
Broker: Volume(gal) : –
Generator: PSC Warwick Frequency : –

RCRA codes	Metals	Total mg/L	Leachable mg/L
	Al	ND	
D007	Cr	ND	
	Cu	ND	
	Fe	ND	
	Ni	ND	
	Zn	ND	
D004	As	ND	
D005	Ba	ND	
	Be	ND	
D006	Cd	ND	
D008	Pb	ND	
	~~Hg~~	–	
D010	Se	ND	
	Tl	ND	
	Sb	ND	
	~~Sn~~	–	
	Au	ND	
	~~Pd~~	–	
Cr+6	~~Pt~~	ND	
D011	Ag	ND	

Waste type : CN- / Alk / Acid

Physical State : Liquid / Solid / Multi-Phase

Color : Clear

pH : 9.75 s.u. (DOO2 if <2.0 or >12.5)

Specific Gravity : _____ g/mL

VOC : _____ ppm

COD : _____ ppm

Cyanide : Free : _____ ppm
* Total : ND ppm

Ammonia : Direct : _____ ppm
Distilled : _____ ppm

Nitrates : _____ ppm

Acid / Caustic Load : _____ %

Estimated % Solids : _____ %

Need Signed Profile: YES / NO
Comments:

analyzed by JR/[illegible]

EPA Codes Included on Profile: _____

EPA Codes Added to Profile: _____

Laboratory Manager: OK [illegible] Date: 12/21/99

OK RB 12/21/99

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PHILIP SERVICES/21st CENTURY

Marketing / Analytical Form

Lab ID Final Rinse Onyx #4 Date : 12/14/99
Broker: Volume(gal) :
Generator: PSC Warwick Frequency :

RCRA codes	Metals	Total mg/L	Leachable mg/L
	Al	ND	
D007	Cr	ND	
	Cu	ND	
	Fe	ND	
	Ni	ND	
	Zn	ND	
D004	As	ND	
D005	Ba	ND	
	Be	ND	
D006	Cd	ND	
D008	Pb	ND	
	~~P~~	—	
D010	Se	ND	
	Tl	ND	
	Sb	ND	
	~~Sn~~	—	
	Au	ND	
	~~Pd~~	—	
Cr+6	~~Pt~~	ND ND	
D011	Ag	ND	

Waste type : CN- / Alk / Acid

Physical State : Liquid / Solid / Multi-Phase

Color : Clear

pH : 9.50 s.u. (DO02 if <2.0 or >12.5)

Specific Gravity : g/mL

VOC : ppm

COD : ppm

Cyanide : Free : ppm
* Total : ND ppm

Ammonia : Direct : ppm
Distilled : ppm

Nitrates : ppm

Acid / Caustic Load : %

Estimated % Solids : %

Need Signed Profile: YES / NO
Comments:

EPA Codes Included on Profile:

EPA Codes Added to Profile:

Laboratory Manager: [signature] Date: 12/20/99

[signature] 12/20/99

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PRODUCTION ANALYSIS

Sampler [illegible] Date Sampled 3/3/00 Time Sampled 0800
Sample Identification Ion Exchange Column #1 / Rinsewater Effluent (Decant)
Metals Preparation Total

Parameter	Result (mg/L)	Discharge Limits	Method	Analyst
☒ pH	9.05 (s.u.)	6.0-9.0	4500-H+B	[illegible]
☐ ORP	(mV)	no limit	2580B	
☐ Process Metals				
☐ Chromium	ND	0.50	3120B	[illegible]
☐ Copper	~~0.44~~ ND MDL	0.70	3120B	
☐ Nickel	ND	0.50	3120B	
☐ Zinc	ND	1.00	3120B	
☐ Cadmium	ND	0.05	3120B	
☐ Lead	ND	0.15	3120B	
☐ Gold	ND	0.10	3120B	
☐ Silver	ND	0.05	3120B	
☐ Other				
☐ Chlorine		40	4500-Cl-B	
☐ Chloride		550lbs/hr	4500-Cl-B	
☒ Cyanide (Total)	ND	0.2	4500-CN-C/E	[illegible]
☐ Cyanide (Free)		N/A	4500-CN-E	
☐ COD		5000ppm	5220-D	
☐ Ammonia (direct)		no limit	4500-NH3-C	
☐ Ammonia (distilled)		no limit	4500-NH3-B	
☐ N-Nitrate		no limit	4500-NO3-E	
☐ N-Nitrite		no limit	4500-NO2-B	

Date/Time Completed: 3/3/00 1100
Recommendations

PRODUCTION ANALYSIS

Sampler DA Date Sampled _____ Time Sampled 0900
Sample Identification Ion Exchange Col. #2 Rinsewater From (Desalt)
Metals Preparation Total

Parameter	Result (mg/L)		Discharge Limits	Method	Analyst
☒ pH	9.02	(s.u.)	6.0-9.0	4500-H+B	MD
☐ ORP		(mV)	no limit	2580B	
☐ Process Metals					
☐ Chromium	ND		0.50	3120B	TJ/NES
☐ Copper			0.70	3120B	
☐ Nickel			0.50	3120B	
☐ Zinc			1.00	3120B	
☐ Cadmium			0.05	3120B	
☐ Lead			0.15	3120B	
☐ Gold			0.10	3120B	
☐ Silver			0.05	3120B	
☐ Other					
☐ Chlorine			40	4500-Cl-B	
☐ Chloride			550lbs/hr	4500-Cl-B	
☒ Cyanide (Total)	ND		0.2	4500-CN-C/E	TJ/NES
☐ Cyanide (Free)			N/A	4500-CN-E	
☐ COD			5000ppm	5220-D	
☐ Ammonia (direct)			no limit	4500-NH3-C	
☐ Ammonia (distilled)			no limit	4500-NH3-B	
☐ N-Nitrate			no limit	4500-NO3-E	
☐ N-Nitrite			no limit	4500-NO2-B	

Date/Time Completed: 3/3/00 1100
Recommendations

PRODUCTION ANALYSIS

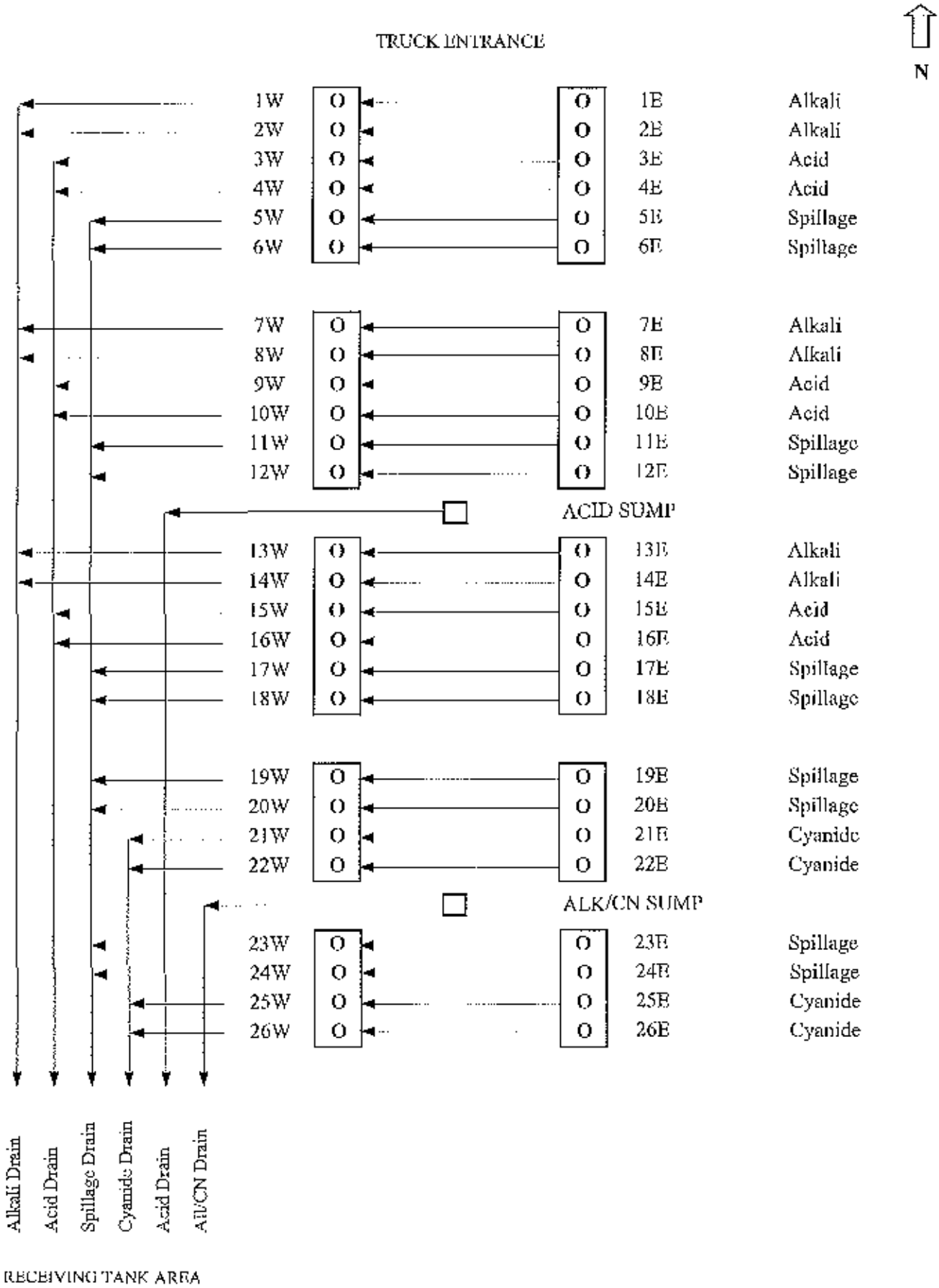
Sampler Mp Date Sampled 3/2/00 Time Sampled 1000
Sample Identification [illegible] #3 Rinsing [illegible]
Metals Preparation Total

Parameter	Result (mg/L)		Discharge Limits	Method	Analyst
☒ pH	2.00	(s.u.)	6.0-9.0	4500-H+B	MP
☐ ORP		(mV)	no limit	2580B	
☐ Process Metals					
☒ Chromium	ND		0.50	3120B	JA/NES
☒ Copper			0.70	3120B	
☒ Nickel			0.50	3120B	
☒ Zinc			1.00	3120B	
☒ Cadmium			0.05	3120B	
☒ Lead			0.15	3120B	
☒ Gold			0.10	3120B	
☒ Silver			0.05	3120B	
☐ Other					
☐ Chlorine			40	4500-Cl-B	
☐ Chloride			550lbs/hr	4500-Cl-B	
☒ Cyanide (Total)	ND		0.2	4500-CN-C/E	JA/NES
☐ Cyanide (Free)			N/A	4500-CN-E	
☐ COD			5000ppm	5220-D	
☐ Ammonia (direct)			no limit	4500-NH3-C	
☐ Ammonia (distilled)			no limit	4500-NH3-B	
☐ N-Nitrate			no limit	4500-NO3-E	
☐ N-Nitrite			no limit	4500-NO2-B	

Date/Time Completed: 3/3/00 1100
Recommendations

APPENDIX 8

Gravity Piping Schematic


TRUCK ENTRANCE
N
1W
2W
3W
4W
5W
6W
7W
8W
9W
10W
11W
12W
13W
14W
15W
16W
17W
18W
19W
20W
21W
22W
23W
24W
25W
26W
1E Alkali
2E Alkali
3E Acid
4E Acid
5E Spillage
6E Spillage
7E Alkali
8E Alkali
9E Acid
10E Acid
11E Spillage
12E Spillage
ACID SUMP
13E Alkali
14E Alkali
15E Acid
16E Acid
17E Spillage
18E Spillage
19E Spillage
20E Spillage
21E Cyanide
22E Cyanide
ALK/CN SUMP
23E Spillage
24E Spillage
25E Cyanide
26E Cyanide
Alkali Drain
Acid Drain
Spillage Drain
Cyanide Drain
Acid Drain
Alk/CN Drain
RECEIVING TANK AREA

APPENDIX 9

Analytical Reports - Concrete Decontamination Verification Chip Samples

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr. Rick Belmont
25 Greystone Street
Warwick, RI 02886

Date Received: 5/11/00
Date Reported: 5/23/00
P.O. #: W-0045
Work Order #: 0005-05535

DESCRIPTION: NINE SOLID SAMPLES

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James L. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/11/00
Work Order # 0005-05535

Approved by: R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: PR-S-01 GRAB 05/10/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	1.16	0.83	mg/kg dry	SW 846 7196AM	5/15/00	22:15	EC
TOTAL METALS							
ARSENIC	6.2	2.5	mg/kg dry	SW-846 6010	5/22/00	22:15	VIK
BARIUM	119	0.13	mg/kg dry	SW-846 6010	5/22/00	22:15	VIK
CADMIUM	6.08	0.13	mg/kg dry	SW-846 6010	5/22/00	22:15	VIK
CHROMIUM	16.5	0.75	mg/kg dry	SW-846 6010	5/22/00	22:15	VIK
LEAD	14.5	1.00	mg/kg dry	SW-846 6010	5/22/00	22:15	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/18/00	16:00	RJC
SELENIUM	<5.0	5.0	mg/kg dry	SW-846 6010	5/22/00	22:15	VIK
SILVER	<0.50	0.50	mg/kg dry	SW-846 6010	5/22/00	22:15	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/11/00
Work Order # 0005-05535

Approved by: R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: PR-S-02 GRAB 05/10/00 @0920

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.80	0.80	mg/kg dry	SW-846 7196AM	5/15/00	22:15	EC
TOTAL METALS							
ARSENIC	6.0	2.5	mg/kg dry	SW-846 6010	5/22/00	21:28	VIK
BARIUM	26.2	0.13	mg/kg dry	SW-846 6010	5/22/00	21:28	VIK
CADMIUM	0.40	0.13	mg/kg dry	SW-846 6010	5/22/00	21:28	VIK
CHROMIUM	4.00	0.75	mg/kg dry	SW-846 6010	5/22/00	21:28	VIK
LEAD	4.00	1.00	mg/kg dry	SW-846 6010	5/22/00	21:28	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/18/00	16:00	RJC
SELENIUM	<5.0	5.0	mg/kg dry	SW-846 6010	5/22/00	21:28	VIK
SILVER	<0.50	0.50	mg/kg dry	SW-846 6010	5/22/00	21:28	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/11/00
Work Order # 0005-05535

Approved by: R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: PR-T-01 GRAB 05/10/00 @0950

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.82	0.82	mg/kg dry	SW-846 7196AM	5/15/00	22:15	HC
TOTAL METALS							
ARSENIC	4.0	2.5	mg/kg dry	SW-846 6010	5/22/00	21:31	VIK
BARIUM	36.8	0.13	mg/kg dry	SW-846 6010	5/22/00	21:31	VIK
CADMIUM	10.5	0.13	mg/kg dry	SW-846 6010	5/22/00	21:31	VIK
CHROMIUM	10.5	0.75	mg/kg dry	SW-846 6010	5/22/00	21:31	VIK
LEAD	7.25	1.00	mg/kg dry	SW-846 6010	5/22/00	21:31	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/18/00	16:00	RJC
SELENIUM	<5.0	5.0	mg/kg dry	SW-846 6010	5/22/00	21:31	VIK
SILVER	2.75	0.50	mg/kg dry	SW-846 6010	5/22/00	21:31	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/11/00
Work Order # 0005-05535

Approved by:
R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: PR-T-02 GRAB 05/10/00 @1010

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.77	0.77	mg/kg dry	SW-846 7196AM	5/15/00	22:15	EC
TOTAL METALS							
ARSENIC	4.0	2.5	mg/kg dry	SW-846 6010	5/22/00	21:35	VIK
BARIUM	42.2	0.13	mg/kg dry	SW-846 6010	5/22/00	21:35	VIK
CADMIUM	8.12	0.13	mg/kg dry	SW-846 6010	5/22/00	21:35	VIK
CHROMIUM	19.0	0.75	mg/kg dry	SW-846 6010	5/22/00	21:35	VIK
LEAD	15.5	1.00	mg/kg dry	SW-846 6010	5/22/00	21:35	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/18/00	16:00	RJC
SELENIUM	<5.0	5.0	mg/kg dry	SW-846 6010	5/22/00	21:35	VIK
SILVER	<0.50	0.50	mg/kg dry	SW-846 6010	5/22/00	21:35	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/11/00
Work Order # 0005-05535

Approved by: R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: PR-T-03 GRAB 05/10/00 @1035

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	2.37	2.37	mg/kg dry	SW-846 7196AM	5/15/00	22:15	EC
TOTAL METALS							
ARSENIC	6.8	2.5	mg/kg dry	SW-846 6010	5/22/00	21:39	VIK
BARIUM	59.8	0.13	mg/kg dry	SW-846 6010	5/22/00	21:39	VIK
CADMIUM	21.6	0.13	mg/kg dry	SW-846 6010	5/22/00	21:39	VIK
CHROMIUM	15.2	0.75	mg/kg dry	SW-846 6010	5/22/00	21:39	VIK
LEAD	45.2	1.00	mg/kg dry	SW-846 6010	5/22/00	21:39	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/18/00	16:00	RJC
SELENIUM	<5.0	5.0	mg/kg dry	SW-846 6010	5/22/00	21:39	VIK
SILVER	1.00	0.50	mg/kg dry	SW-846 6010	5/22/00	21:39	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/11/00
Work Order # 0005-05535

Approved by: R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: FP-S-01 GRAB 05/10/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.82	0.82	mg/kg dry	SW-846 7196AM	5/16/00	22:30	EC
TOTAL METALS							
ARSENIC	5.2	2.5	mg/kg dry	SW-846 6010	5/22/00	21:59	VIK
BARIUM	44.2	0.13	mg/kg dry	SW-846 6010	5/22/00	21:59	VIK
CADMIUM	80.5	0.13	mg/kg dry	SW-846 6010	5/22/00	21:59	VIK
CHROMIUM	13.8	0.75	mg/kg dry	SW 846 6010	5/22/00	21:59	VIK
LEAD	17.5	0.04	mg/kg dry	SW-846 6010	5/22/00	21:59	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/18/00	16:00	RJC
SELENIUM	<5.0	5.0	mg/kg dry	SW-846 6010	5/22/00	21:59	VIK
SILVER	5.0	0.02	mg/kg dry	SW-846 6010	5/22/00	21:59	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/11/00
Work Order # 0005-05535

Approved by: R.I. Analytical

Sample #: 007
SAMPLE DESCRIPTION: FP-T-01 GRAB 05/10/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	2.03	0.78	mg/kg dry	SW-846 7196AM	5/16/00	22:30	EC
TOTAL METALS							
ARSENIC	<2.5	2.5	mg/kg dry	SW-846 6010	5/22/00	22:03	VIK
BARIUM	48.8	0.13	mg/kg dry	SW-846 6010	5/22/00	22:03	VIK
CADMIUM	7.55	0.13	mg/kg dry	SW-846 6010	5/22/00	22:03	VIK
CHROMIUM	17.5	0.75	mg/kg dry	SW 846 6010	5/22/00	22:03	VIK
LEAD	6.00	1.00	mg/kg dry	SW-846 6010	5/22/00	22:03	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/18/00	16:00	RJC
SELENIUM	<5.0	5.0	mg/kg dry	SW-846 6010	5/22/00	22:03	VIK
SILVER	0.50	0.50	mg/kg dry	SW-846 6010	5/22/00	22:03	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/11/00
Work Order # 0005-05535

Approved by: R.I. Analytical

Sample #: 008
SAMPLE DESCRIPTION: FP-T-02 GRAB 05/10/00 @1355

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	5.33	0.87	mg/kg dry	SW-846 7196AM	5/16/00	22:30	EC
TOTAL METALS							
ARSENIC	6.2	2.5	mg/kg dry	SW-846 6010	5/22/00	22:06	VIK
BARIUM	67.2	0.13	mg/kg dry	SW 846 6010	5/22/00	22:06	VIK
CADMIUM	1.22	0.13	mg/kg dry	SW-846 6010	5/22/00	22:06	VIK
CHROMIUM	16.2	0.75	mg/kg dry	SW-846 6010	5/22/00	22:06	VIK
LEAD	5.25	1.00	mg/kg dry	SW-846 6010	5/22/00	22:06	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/18/00	16:00	RJC
SELENIUM	<5.0	5.0	mg/kg dry	SW 846 6010	5/22/00	22:06	VIK
SILVER	<0.50	0.50	mg/kg dry	SW-846 6010	5/22/00	22:06	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/11/00
Work Order # 0005-05535

Approved by: R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: FP-T-03 GRAB 05/10/00 @1425

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	2.30	0.87	mg/kg dry	SW-846 7196AM	5/16/00	22:30	RC
TOTAL METALS							
ARSENIC	5.8	2.5	mg/kg dry	SW-846 6010	5/22/00	22:10	VIK
BARIUM	58.0	0.13	mg/kg dry	SW-846 6010	5/22/00	22:10	VIK
CADMIUM	1.72	0.13	mg/kg dry	SW-846 6010	5/22/00	22:10	VIK
CHROMIUM	15.0	0.75	mg/kg dry	SW-846 6010	5/22/00	22:10	VIK
LEAD	5.25	1.00	mg/kg dry	SW-846 6010	5/22/00	22:10	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/18/00	16:00	RJC
SELENIUM	<5.0	5.0	mg/kg dry	SW-846 6010	5/22/00	22:10	VIK
SILVER	<0.50	0.50	mg/kg dry	SW 846 6010	5/22/00	22:10	VIK

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr. Rick Belmont
25 Greystone Street
Warwick, RI 02886

Date Received: 5/12/00
Date Reported: 5/29/00
P.O. #: W-0048
Work Order #: 0005-05562

DESCRIPTION: ELEVEN SOLID SAMPLES

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James B. Mieri
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
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R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/12/00
Work Order # 0005-05562

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: ST/CN-S-01 GRAB 05/11/00 @1235

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	1.08	0.83	mg/kg dry	SW-846 7196AM	5/16/00	22:30	EC
TOTAL METALS							
ARSENIC	1.16	0.10	mg/kg dry	EPA 200.9	5/23/00	19:33	KLL
BARIUM	80.9	0.13	mg/kg dry	SW-846 6010	5/26/00	21:48	VIK
CADMIUM	2.73	0.13	mg/kg dry	SW-846 6010	5/26/00	21:48	VIK
CHROMIUM	7.47	0.77	mg/kg dry	SW-846 6010	5/26/00	21:48	VIK
LEAD	7.22	1.03	mg/kg dry	SW-846 6010	5/26/00	21:48	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/23/00	8:53	RJC
SELENIUM	<5.15	5.15	mg/kg dry	SW-846 6010	5/26/00	21:48	VIK
SILVER	<0.52	0.52	mg/kg dry	SW-846 6010	5/26/00	21:48	VIK

Sample #: 002
SAMPLE DESCRIPTION: ST/CN-T-01 GRAB 05/11/00 @1305

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.85	0.85	mg/kg dry	SW-846 7196AM	5/18/00	23:30	EC
TOTAL METALS							
ARSENIC	1.89	0.10	mg/kg dry	EPA 200.9	5/23/00	19:33	KLL
BARIUM	73.2	0.13	mg/kg dry	SW-846 6010	5/26/00	21:51	VIK
CADMIUM	83.9	0.13	mg/kg dry	SW-846 6010	5/26/00	21:51	VIK
CHROMIUM	12.9	0.79	mg/kg dry	SW-846 6010	5/26/00	21:51	VIK
LEAD	11.0	1.05	mg/kg dry	SW-846 6010	5/26/00	21:51	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/23/00	8:53	RJC
SELENIUM	22.9	5.26	mg/kg dry	SW-846 6010	5/26/00	21:51	VIK
SILVER	1.32	0.53	mg/kg dry	SW-846 6010	5/26/00	21:51	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/12/00
Work Order # 0005-05562

Approved by: R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: ST/AC-S-01 GRAB 05/11/00 @1340

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	3.76	0.83	mg/kg dry	SW-846 7196AM	5/18/00	23:30	EC
TOTAL METALS							
ARSENIC	1.03	0.10	mg/kg dry	EPA 200.9	5/23/00	19:33	KLL
BARIUM	44.8	0.13	mg/kg dry	SW-846 6010	5/26/00	21:55	VIK
CADMIUM	1.08	0.13	mg/kg dry	SW-846 6010	5/26/00	21:55	VIK
CHROMIUM	36.1	0.77	mg/kg dry	SW-846 6010	5/26/00	21:55	VIK
LEAD	13.6	1.03	mg/kg dry	SW-846 6010	5/26/00	21:55	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/23/00	8:53	RJC
SELENIUM	<5.25	5.25	mg/kg dry	SW-846 6010	5/26/00	21:55	VIK
SILVER	<0.52	0.52	mg/kg dry	SW-846 6010	5/26/00	21:55	VIK

Sample #: 004
SAMPLE DESCRIPTION: ST/AC-T-01 GRAB 05/11/00 @1415

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	4.38	0.80	mg/kg dry	SW-846 7196AM	5/18/00	23:30	EC
TOTAL METALS							
ARSENIC	1.18	0.10	mg/kg dry	EPA 200.9	5/23/00	19:33	KLL
BARIUM	40.7	0.13	mg/kg dry	SW-846 6010	5/26/00	21:59	VIK
CADMIUM	1.78	0.13	mg/kg dry	SW-846 6010	5/26/00	21:59	VIK
CHROMIUM	63.9	0.77	mg/kg dry	SW-846 6010	5/26/00	21:59	VIK
LEAD	37.9	1.03	mg/kg dry	SW-846 6010	5/26/00	21:59	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/23/00	8:53	RJC
SELENIUM	<5.25	5.25	mg/kg dry	SW-846 6010	5/26/00	21:59	VIK
SILVER	2.32	0.52	mg/kg dry	SW-846 6010	5/26/00	21:59	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/12/00
Work Order # 0005-05562

Approved by:
R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: ST/AK-S-01 GRAB 05/11/00 @1445

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	1.72	0.84	mg/kg dry	SW-846 7196AM	5/18/00	23:30	EC
TOTAL METALS							
ARSENIC	0.83	0.10	mg/kg dry	EPA 200.9	5/23/00	19:33	KLL
BARIUM	76.6	0.14	mg/kg dry	SW-846 6010	5/26/00	22:02	VIK
CADMIUM	1.95	0.14	mg/kg dry	SW-846 6010	5/26/00	22:02	VIK
CHROMIUM	14.3	0.78	mg/kg dry	SW-846 6010	5/26/00	22:02	VIK
LEAD	8.33	1.04	mg/kg dry	SW-846 6010	5/26/00	22:02	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/23/00	8:53	RJC
SELENIUM	<5.21	5.21	mg/kg dry	SW-846 6010	5/26/00	22:02	VIK
SILVER	<0.52	0.52	mg/kg dry	SW 846 6010	5/26/00	22:02	VIK

Sample #: 006
SAMPLE DESCRIPTION: ST/AK-T-01 GRAB 05/12/00 @0245

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	6.73	0.84	mg/kg dry	SW-846 7196AM	5/18/00	23:30	EC
TOTAL METALS							
ARSENIC	1.13	0.10	mg/kg dry	EPA 200.9	5/23/00	19:33	KLL
BARIUM	24.6	0.13	mg/kg dry	SW-846 6010	5/26/00	22:06	VIK
CADMIUM	35.3	0.13	mg/kg dry	SW-846 6010	5/26/00	22:06	VIK
CHROMIUM	387	0.79	mg/kg dry	SW-846 6010	5/26/00	22:06	VIK
LEAD	35.5	1.05	mg/kg dry	SW-846 6010	5/26/00	22:06	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/23/00	8:53	RJC
SELENIUM	<5.26	5.26	mg/kg dry	SW-846 6010	5/26/00	22:06	VIK
SILVER	2.37	0.53	mg/kg dry	SW-846 6010	5/26/00	22:06	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/12/00
Work Order # 0005-05562

Approved by:
R.I. Analytical

Sample #: 007
SAMPLE DESCRIPTION: ST/CN-S-02 GRAB 05/12/00 @0830

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.79	0.79	mg/kg dry	SW-846 7196AM	5/18/00	23:00	EC
TOTAL METALS							
ARSENIC	0.83	0.10	mg/kg dry	EPA 200.9	5/23/00	19:33	KLL
BARIUM	153	0.13	mg/kg dry	SW-846 6010	5/26/00	22:10	VIK
CADMIUM	28.9	0.13	mg/kg dry	SW-846 6010	5/26/00	22:10	VIK
CHROMIUM	13.5	0.78	mg/kg dry	SW-846 6010	5/26/00	22:10	VIK
LEAD	8.33	1.04	mg/kg dry	SW-846 6010	5/26/00	22:10	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/23/00	8:53	RJC
SELENIUM	<5.21	5.21	mg/kg dry	SW-846 6010	5/26/00	22:10	VIK
SILVER	0.78	0.52	mg/kg dry	SW-846 6010	5/26/00	22:10	VIK

Sample #: 008
SAMPLE DESCRIPTION: ST/PD-S-01 GRAB 05/12/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.79	0.79	mg/kg dry	SW-846 7196AM	5/18/00	23:00	EC
TOTAL METALS							
ARSENIC	0.90	0.10	mg/kg dry	EPA 200.9	5/23/00	19:33	KLL
BARIUM	63.1	0.13	mg/kg dry	SW-846 6010	5/26/00	22:13	VIK
CADMIUM	0.77	0.13	mg/kg dry	SW-846 6010	5/26/00	22:13	VIK
CHROMIUM	7.73	0.77	mg/kg dry	SW-846 6010	5/26/00	22:13	VIK
LEAD	4.64	1.03	mg/kg dry	SW-846 6010	5/26/00	22:13	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/23/00	8:53	RJC
SELENIUM	<5.25	5.25	mg/kg dry	SW-846 6010	5/26/00	22:13	VIK
SILVER	<0.52	0.52	mg/kg dry	SW-846 6010	5/26/00	22:13	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/12/00
Work Order # 0005-05562

Approved by: R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: ST/PD-S-02 GRAB 05/12/00 @1100

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.82	0.82	mg/kg dry	SW-846 7196AM	5/18/00	23:00	EC
TOTAL METALS							
ARSENIC	0.83	0.10	mg/kg dry	EPA 200.9	5/23/00	19:33	KLL
BARIUM	661	0.13	mg/kg dry	SW-846 6010	5/26/00	22:24	VIK
CADMIUM	2.99	0.13	mg/kg dry	SW-846 6010	5/26/00	22:24	VIK
CHROMIUM	12.8	0.78	mg/kg dry	SW-846 6010	5/26/00	22:24	VIK
LEAD	8.07	1.04	mg/kg dry	SW-846 6010	5/26/00	22:24	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/23/00	8:53	RJC
SELENIUM	<5.21	5.21	mg/kg dry	SW-846 6010	5/26/00	22:24	VIK
SILVER	<0.52	0.52	mg/kg dry	SW-846 6010	5/26/00	22:24	VIK

Sample #: 010
SAMPLE DESCRIPTION: ST/PD-S-03 GRAB 05/12/00 @1145

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.96	0.96	mg/kg dry	SW-846 7196AM	5/18/00	23:00	EC
TOTAL METALS							
ARSENIC	0.52	0.10	mg/kg dry	EPA 200.9	5/23/00	19:33	KLL
BARIUM	58.4	0.17	mg/kg dry	SW-846 6010	5/26/00	22:28	VIK
CADMIUM	0.38	0.17	mg/kg dry	SW-846 6010	5/26/00	22:28	VIK
CHROMIUM	14.3	1.05	mg/kg dry	SW-846 6010	5/26/00	22:28	VIK
LEAD	9.09	1.40	mg/kg dry	SW-846 6010	5/26/00	22:28	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/23/00	8:53	RJC
SELENIUM	<6.99	6.99	mg/kg dry	SW-846 6010	5/26/00	22:28	VIK
SILVER	<0.70	0.70	mg/kg dry	SW-846 6010	5/26/00	22:28	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/12/00
Work Order # 0005-05562

Approved by:
R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: ST/PD-S-04 GRAB 05/12/00 @1235

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	1.56	0.82	mg/kg dry	SW-846 7196AM	5/18/00	23:00	BC
TOTAL METALS							
ARSENIC	0.78	0.10	mg/kg dry	EPA 200.9	5/23/00	19:33	KLL
BARIUM	74.7	0.13	mg/kg dry	SW-846 6010	5/26/00	22:33	VIK
CADMIUM	1.82	0.13	mg/kg dry	SW-846 6010	5/26/00	22:33	VIK
CHROMIUM	10.9	0.78	mg/kg dry	SW 846 6010	5/26/00	22:33	VIK
LEAD	10.2	1.04	mg/kg dry	SW-846 6010	5/26/00	22:33	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/23/00	8:53	RJC
SELENIUM	<5.21	5.21	mg/kg dry	SW-846 6010	5/26/00	22:33	VIK
SILVER	<0.52	0.52	mg/kg dry	SW-846 6010	5/26/00	22:33	VIK

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr. Rick Belmont
25 Greystone Street
Warwick, RI 02886

Date Received: 5/15/00
Date Reported: 5/29/00
P.O. #: W-0049
Work Order #: 0005-05645

DESCRIPTION: FIVE SOLID SAMPLES

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

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R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/15/00
Work Order # 0005-05645

Approved by: R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: DI-S-02 GRAB 05/15/00 @0945

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.87	0.87	mg/kg dry	SW-846 7196AM	5/19/00	22:45	BC
TOTAL METALS							
ARSENIC	5.90	2.81	mg/kg dry	SW-846 6010	5/26/00	17:57	VIK
BARIUM	239	0.14	mg/kg dry	SW-846 6010	5/26/00	17:57	VIK
CADMIUM	2.72	0.14	mg/kg dry	SW-846 6010	5/26/00	17:57	VIK
CHROMIUM	21.3	0.84	mg/kg dry	SW-846 6010	5/26/00	17:57	VIK
LEAD	10.7	1.12	mg/kg dry	SW-846 6010	5/26/00	17:57	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/24/00	8:20	RJC
SELENIUM	<5.62	5.62	mg/kg dry	SW-846 6010	5/26/00	17:57	VIK
SILVER	1.68	0.56	mg/kg dry	SW-846 6010	5/26/00	17:57	VIK

Sample #: 002
SAMPLE DESCRIPTION: DI-S-03 GRAB 05/15/00 @1030

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.76	0.76	mg/kg dry	SW-846 7196AM	5/19/00	22:45	BC
TOTAL METALS							
ARSENIC	5.10	2.55	mg/kg dry	SW-846 6010	5/26/00	18:00	VIK
BARIUM	25.8	0.13	mg/kg dry	SW-846 6010	5/26/00	18:00	VIK
CADMIUM	1.84	0.13	mg/kg dry	SW-846 6010	5/26/00	18:00	VIK
CHROMIUM	5.88	0.77	mg/kg dry	SW-846 6010	5/26/00	18:00	VIK
LEAD	5.36	1.02	mg/kg dry	SW-846 6010	5/26/00	18:00	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/24/00	8:20	RJC
SELENIUM	<5.10	5.10	mg/kg dry	SW-846 6010	5/26/00	18:00	VIK
SILVER	0.51	0.51	mg/kg dry	SW-846 6010	5/26/00	18:00	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/15/00
Work Order # 0005-05645

Approved by: _____
R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: SC-S-01 GRAB 05/15/00 @1130

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.75	0.75	mg/kg dry	SW-846 7196AM	5/19/00	22:45	EC
TOTAL METALS							
ARSENIC	6.51	2.60	mg/kg dry	SW-846 6010	5/26/00	18:04	VIK
BARIUM	59.1	0.13	mg/kg dry	SW-846 6010	5/26/00	18:04	VIK
CADMIUM	22.0	0.13	mg/kg dry	SW-846 6010	5/26/00	18:04	VIK
CHROMIUM	22.1	0.77	mg/kg dry	SW-846 6010	5/26/00	18:04	VIK
LEAD	13.3	1.04	mg/kg dry	SW-846 6010	5/26/00	18:04	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/24/00	8:20	RJC
SELENIUM	<5.21	5.21	mg/kg dry	SW-846 6010	5/26/00	18:04	VIK
SILVER	1.04	0.52	mg/kg dry	SW-846 6010	5/26/00	18:04	VIK

Sample #: 004
SAMPLE DESCRIPTION: DR-S-01 GRAB 05/15/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	2.34	0.78	mg/kg dry	SW-846 7196AM	5/19/00	22:45	EC
TOTAL METALS							
ARSENIC	6.51	2.60	mg/kg dry	SW-846 6010	5/26/00	18:08	VIK
BARIUM	60.2	0.13	mg/kg dry	SW-846 6010	5/26/00	18:08	VIK
CADMIUM	5.57	0.13	mg/kg dry	SW-846 6010	5/26/00	18:08	VIK
CHROMIUM	22.9	0.77	mg/kg dry	SW-846 6010	5/26/00	18:08	VIK
LEAD	7.81	1.04	mg/kg dry	SW-846 6010	5/26/00	18:08	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/24/00	8:20	RJC
SELENIUM	<5.21	5.21	mg/kg dry	SW-846 6010	5/26/00	18:08	VIK
SILVER	<0.52	0.52	mg/kg dry	SW-846 6010	5/26/00	18:08	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/15/00
Work Order # 0005-05645

Approved by: R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: RF-S-01 GRAB 05/15/00 @1400

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.84	0.84	mg/kg dry	SW-846 7196AM	5/19/00	22:45	RC
TOTAL METALS							
ARSENIC	4.47	2.63	mg/kg dry	SW-846 6010	5/26/00	18:11	VIK
BARIUM	40.5	0.13	mg/kg dry	SW-846 6010	5/26/00	18:11	VIK
CADMIUM	2.05	0.13	mg/kg dry	SW-846 6010	5/26/00	18:11	VIK
CHROMIUM	30.8	0.79	mg/kg dry	SW-846 6010	5/26/00	18:11	VIK
LEAD	7.39	1.05	mg/kg dry	SW-846 6010	5/26/00	18:11	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	5/24/00	8:20	RJC
SELENIUM	<5.26	5.26	mg/kg dry	SW-846 6010	5/26/00	18:11	VIK
SILVER	6.58	0.53	mg/kg dry	SW-846 6010	5/26/00	18:11	VIK

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr. Rick Belmont
25 Greystone Street
Warwick, RI 02886

Date Received: 6/06/00
Date Reported: 6/16/00
P.O. #:
Work Order #: 0006-06471

DESCRIPTION: PROJECT #W-0051 (ONE SOLID SAMPLE)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-0500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 6/06/00
Work Order # 0006-06471

Approved by: _____
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: DI-S-01 GRAB 06/05/00 @1445

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.74	0.74	mg/kg as is	SW-846 7196AM	6/12/00	22:00	EC
TOTAL METALS							
ARSENIC	4.06	2.54	mg/kg as is	SW-846 6010	6/15/00	16:55	RGM
BARIUM	76.4	0.13	mg/kg as is	SW-846 6010	6/15/00	16:55	RGM
CADMIUM	0.99	0.13	mg/kg as is	SW-846 6010	6/15/00	16:55	RGM
CHROMIUM	12.9	0.76	mg/kg as is	SW-846 6010	6/15/00	16:55	RGM
LEAD	10.6	1.02	mg/kg as is	SW-846 6010	6/15/00	16:55	RGM
MERCURY	<0.25	0.25	mg/kg as is	SW-846 7471A	6/14/00	8:48	RJC
SELENIUM	<5.08	5.08	mg/kg as is	SW-846 6010	6/15/00	16:55	RGM
SILVER	<0.51	0.51	mg/kg as is	SW-846 6010	6/15/00	16:55	RGM

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr. Rick Belmont
25 Greystone Street
Warwick, RI 02886

Date Received: 6/12/00
Date Reported: 6/19/00
P.O. #: W-0052
Work Order #: 0006-06748

DESCRIPTION: PROJECT #W-0052 (TWO SOLID SAMPLES)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James B. Mott
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 6/12/00
Work Order # 0006-06748

Approved by: R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: RE/AKCN-S-01 GRAB 06/12/00 @1030

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.85	0.85	mg/kg dry	SW-846 7196AM	6/12/00	22:00	EC
TOTAL METALS							
ARSENIC	5.32	2.66	mg/kg dry	SW-846 6010	6/16/00	22:23	VIK
BARIUM	152	0.13	mg/kg dry	SW-846 6010	6/16/00	22:23	VIK
CADMIUM	3.67	0.13	mg/kg dry	SW-846 6010	6/16/00	22:23	VIK
CHROMIUM	7.98	0.80	mg/kg dry	SW-846 6010	6/16/00	22:23	VIK
LEAD	5.32	1.06	mg/kg dry	SW-846 6010	6/16/00	22:23	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW 846 7471A	6/16/00	15:42	RJC
SELENIUM	<5.3	5.3	mg/kg dry	SW-846 6010	6/16/00	22:23	VIK
SILVER	1.06	0.53	mg/kg dry	SW-846 6010	6/16/00	22:23	VIK

Sample #: 002
SAMPLE DESCRIPTION: RE/AC-S-01 GRAB 06/12/00 @1145

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	2.93	0.88	mg/kg dry	SW-846 7196AM	6/12/00	22:00	EC
TOTAL METALS							
ARSENIC	6.39	2.78	mg/kg dry	SW-846 6010	6/16/00	22:27	VIK
BARIUM	26.0	0.14	mg/kg dry	SW-846 6010	6/16/00	22:27	VIK
CADMIUM	2.44	0.14	mg/kg dry	SW 846 6010	6/16/00	22:27	VIK
CHROMIUM	31.9	0.83	mg/kg dry	SW-846 6010	6/16/00	22:27	VIK
LEAD	29.4	1.11	mg/kg dry	SW-846 6010	6/16/00	22:27	VIK
MERCURY	2.28	0.25	mg/kg dry	SW-846 7471A	6/16/00	15:42	RJC
SELENIUM	<5.6	5.6	mg/kg dry	SW-846 6010	6/16/00	22:27	VIK
SILVER	11.4	0.56	mg/kg dry	SW-846 6010	6/16/00	22:27	VIK

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services Corporation
Attn: Mr. Rick Belmont
Northland Environmental, Inc.
275 Allens Avenue
Providence, RI 02905

Date Received: 6/15/00
Date Reported: 6/20/00
P.O. #:
Work Order #: 0006-06960

DESCRIPTION: PROJECT #W-0053 (TWO SOLID SAMPLES)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

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Tel: (401) 737-0500 Fax: (401) 738-1970

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Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services Corporation
Date Received: 6/15/00
Work Order # 0006-06960

Approved by: R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: TB/AC-S-01 GRAB 06/15/00 @1130

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	9.96	0.80	mg/kg as is	SW-846 7196AM	6/19/00	21:15	BC
TOTAL METALS							
ARSENIC	9.60	2.72	mg/kg as is	SW-846 6010	6/20/00	14:21	RGM
BARIUM	223	0.14	mg/kg as is	SW-846 6010	6/20/00	14:21	RGM
CADMIUM	15.4	0.14	mg/kg as is	SW-846 6010	6/20/00	14:21	RGM
CHROMIUM	379	0.82	mg/kg as is	SW-846 6010	6/20/00	14:21	RGM
LEAD	702	1.09	mg/kg as is	SW-846 6010	6/20/00	14:21	RGM
MERCURY	0.48	0.25	mg/kg as is	SW-846 7471A	6/20/00	16:47	RJC
SELENIUM	<5.05	5.05	mg/kg as is	SW-846 6010	6/20/00	14:21	RGM
SILVER	3.54	0.54	mg/kg as is	SW-846 6010	6/20/00	14:21	RGM

Sample #: 002
SAMPLE DESCRIPTION: TB/AKCN-S-01 GRAB 06/15/00 @1230

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	<0.78	0.78	mg/kg as is	SW-846 7196AM	6/19/00	21:15	BC
TOTAL METALS							
ARSENIC	4.95	2.63	mg/kg as is	SW-846 6010	6/20/00	14:25	RGM
BARIUM	1330	0.13	mg/kg as is	SW-846 6010	6/20/00	14:25	RGM
CADMIUM	96.3	0.13	mg/kg as is	SW-846 6010	6/20/00	14:25	RGM
CHROMIUM	71.3	0.79	mg/kg as is	SW-846 6010	6/20/00	14:25	RGM
LEAD	98.5	1.05	mg/kg as is	SW-846 6010	6/20/00	14:25	RGM
MERCURY	0.44	0.25	mg/kg as is	SW-846 7471A	6/20/00	16:47	RJC
SELENIUM	<4.95	4.95	mg/kg as is	SW-846 6010	6/20/00	14:25	RGM
SILVER	27.0	0.53	mg/kg as is	SW-846 6010	6/20/00	14:25	RGM

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services Corporation
Attn: Mr. Rick Belmont
Northland Environmental, Inc.
275 Allens Avenue
Providence, RI 02905

Date Received: 6/27/00
Date Reported: 7/05/00
P.O. #:
Work Order #: 0006-07447

DESCRIPTION: PSC (ONE BULK SAMPLE)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

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R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services Corporation
Date Received: 6/27/00
Work Order # 0006-07447

Approved by: RI Analytical

Sample #: 001
SAMPLE DESCRIPTION: TB/AC-S-01-RI GRAB 06/27/00 @0930

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
HEXAVALENT CHROMIUM	2.86	0.81	mg/kg	SW-846 7196AM	6/29/00	21:15	EC
TOTAL METALS							
ARSENIC	7.69	2.8	mg/kg dry	SW-846 6010	6/29/00	16:58	RGM
BARIUM	41.2	0.14	mg/kg dry	SW-846 6010	6/29/00	16:58	RGM
CADMIUM	0.74	0.14	mg/kg dry	SW-846 6010	6/29/00	16:58	RGM
CHROMIUM	15.4	0.82	mg/kg dry	SW-846 6010	6/29/00	16:58	RGM
LEAD	5.22	1.10	mg/kg dry	SW-846 6010	6/29/00	16:58	RGM
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	7/05/00	16:20	RJC
SELENIUM	<5.5	5.5	mg/kg dry	SW-846 6010	6/29/00	16:58	RGM
SILVER	<0.55	0.55	mg/kg dry	SW-846 6010	6/29/00	16:58	RGM

Arsenic by 200.9

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr. Rick Belmont/John Stiller
25 Greystone Street
Warwick, RI 02886

Date Received: 8/01/00
Date Reported: 8/07/00
P.O. #:
Work Order #: 0008-08968

DESCRIPTION: NINETEEN SOLID SAMPLES

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 8/01/00
Work Order # 0008-08968

Approved by: _____
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: 0005-05535-001 PR-S-01

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	1.80	0.13	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

Sample #: 002
SAMPLE DESCRIPTION: 0005-05535-002 PR-S-02

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	1.60	0.13	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

Sample #: 003
SAMPLE DESCRIPTION: 0005-05535-003 PR-T-01

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	1.64	0.13	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

Sample #: 004
SAMPLE DESCRIPTION: 0005-05535-004 PR-T-02

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	1.76	0.13	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 8/01/00
Work Order # 0008-08968

Approved by: _____
R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: 0005-05535-005 PR-T-03

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	1.88	0.13	mg/kg dry	EPA 200.9	7/18/00 16:55	KSL

Sample #: 006
SAMPLE DESCRIPTION: 0005-05535-006 FP-S-01

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	1.76	0.13	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

Sample #: 007
SAMPLE DESCRIPTION: 0005-05535-007 FP-T-01

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	2.04	0.13	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

Sample #: 008
SAMPLE DESCRIPTION: 0005-05535-008 FP-T-02

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	3.72	0.13	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 8/01/00
Work Order # 0008-08968

Approved by: R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: 0005-05535-009 FP-T-03

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	2.73	0.14	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

Sample #: 010
SAMPLE DESCRIPTION: 0005-05645-004 DR-S-01

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	2.37	0.13	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

Sample #: 011
SAMPLE DESCRIPTION: 0005-05645-003 SC-S-01

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	2.68	0.13	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

Sample #: 012
SAMPLE DESCRIPTION: 0005-06471-001 DI-S-01

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	6.17	0.13	mg/kg as is	EPA 200.9	8/03/00 18:47	KLL

RESAMPLED 8/21/00

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 8/01/00
Work Order # 0008 08968

Approved by: R.I. Analytical

Sample #: 013
SAMPLE DESCRIPTION: 0005-05645-001 DI-S-02

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	1.39	0.14	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

Sample #: 014
SAMPLE DESCRIPTION: 0005-05645-002 DI-S-03

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	1.89	0.13	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

Sample #: 015
SAMPLE DESCRIPTION: 0006-06748-001 RE/AKCN-S-01

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	3.32	0.14	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

Sample #: 016
SAMPLE DESCRIPTION: 0006-06748-002 RE/AC-S-01

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	3.03	0.14	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 8/01/00
Work Order # 0008-08968

Approved by:
R.I. Analytical

Sample #: 017
SAMPLE DESCRIPTION: 0006-05645-005 RB-S-01

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	2.13	0.13	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

Sample #: 018
SAMPLE DESCRIPTION: 0006-06960-002 TB/AKCN-S-01

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	5.03	0.13	mg/kg dry	EPA 200.9	8/03/00 18:47	KLL

RESAMPLED 8/21/00

Sample #: 019
SAMPLE DESCRIPTION: 0006-07447-001 TB/AC-S-01-R1

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	3.74	0.13	mg/kg as is	EPA 200.9	8/03/00 18:47	KLL

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr. John Stiller
275 Allens Avenue
Providence, RI 02905

Date Received: 8/21/00
Date Reported: 8/28/00
P.O. #:
Work Order #: 0008-09881

DESCRIPTION: PROJECT# W-0050 25 GRAYSTONE ST, WARWICK (TWO BULK SAMPLES)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James L. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-0500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 8/21/00
Work Order # 0008-09881

Approved by: R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: DI-S-01-R1 GRAB 08/21/00 @0830

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	3.58	0.10	mg/kg dry	EPA 200.9	8/25/00 13:53	KSL

Sample #: 002
SAMPLE DESCRIPTION: TB/AKCN-S-01-R1 GRAB 08/21/00 @0830

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	5.78	0.10	mg/kg dry	EPA 200.9	8/25/00 13:53	KSL

RESAMPLED 8/31/00

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr. John Stiller
275 Allens Avenue
Providence, RI 02905

Date Received: 8/31/00
Date Reported: 9/06/00
P.O. #:
Work Order #: 0009-10464

DESCRIPTION: PROJECT# W-0050 25 GRAYSTONE STREET, WARWICK

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

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Tel: (401) 737-8500 Fax: (401) 738-1970

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Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 8/31/00
Work Order # 0009-10464

Approved by: R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: TB/AKCN-S-01-R2 GRAB 8/31/00 @1600

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ARSENIC	0.37	0.10	mg/kg dry	EPA 200.9	9/06/00 13:00	KSL

CONCRETE pH RESULTS

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr. Rick Belmont
25 Greystone Street
Warwick, RI 02886

Date Received: 5/11/00
Date Reported: 8/23/00
P.O. #: W-0045
Work Order #: 0008-09992

DESCRIPTION: NINE SOLID SAMPLES

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

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Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/11/00
Work Order # 0008-09992

Approved by: R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: PR-S-01 GRAB 05/10/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/15/00 21:15	EC

Sample #: 002
SAMPLE DESCRIPTION: PR-S-02 GRAB 05/10/00 @0920

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/15/00 21:15	EC

Sample #: 003
SAMPLE DESCRIPTION: PR-T-01 GRAB 05/10/00 @0950

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/15/00 21:15	EC

Sample #: 004
SAMPLE DESCRIPTION: PR-T-02 GRAB 05/10/00 @1010

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/15/00 21:15	EC

Sample #: 005
SAMPLE DESCRIPTION: PR-T-03 GRAB 05/10/00 @1035

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/15/00 21:15	EC

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/11/00
Work Order # 0008 09992

Approved by: _____
R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: FP-S-01 GRAB 05/10/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/16/00 21:00	EC

Sample #: 007
SAMPLE DESCRIPTION: FP-T-01 GRAB 05/10/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/16/00 21:00	EC

Sample #: 008
SAMPLE DESCRIPTION: FP-T-02 GRAB 05/10/00 @1355

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	12		SU	SW-846 9045C	5/16/00 21:00	EC

Sample #: 009
SAMPLE DESCRIPTION: FP-T-03 GRAB 05/10/00 @1425

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/16/00 21:00	EC

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr.
25 Greystone Street
Warwick, RI 02886

Date Received: 5/12/00
Date Reported: 8/23/00
P.O. #:
Work Order #: 0008-09993

DESCRIPTION: ELEVEN SOLID SAMPLES

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mish
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

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Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/12/00
Work Order # 0008-09993

Approved by: _____
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: ST/CN-S-01 GRAB 05/11/00 @1235

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	12		SU	SW-846 9045C	5/16/00 21:00	EC

Sample #: 002
SAMPLE DESCRIPTION: ST/CN-T-01 GRAB 05/11/00 @1305

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/17/00 21:00	EC

Sample #: 003
SAMPLE DESCRIPTION: ST/AC-S-01 GRAB 05/11/00 @1340

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/17/00 21:00	EC

Sample #: 004
SAMPLE DESCRIPTION: ST/AC-T-01 GRAB 05/11/00 @1415

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/17/00 21:00	EC

Sample #: 005
SAMPLE DESCRIPTION: ST/AK-S-01 GRAB 05/11/00 @1445

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW 846 9045C	5/17/00 21:00	EC

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/12/00
Work Order # 0008-09993

Approved by: R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: ST/AK-T-01 GRAB 05/12/00 @0245

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/17/00 21:00	EC

Sample #: 007
SAMPLE DESCRIPTION: ST/CN-S-02 GRAB 05/12/00 @0830

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	12		SU	SW-846 9045C	5/18/00 19:45	EC

Sample #: 008
SAMPLE DESCRIPTION: ST/PD-S-01 GRAB 05/12/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/18/00 19:45	EC

Sample #: 009
SAMPLE DESCRIPTION: ST/PD-S-02 GRAB 05/12/00 @1100

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/18/00 19:45	EC

Sample #: 010
SAMPLE DESCRIPTION: ST/PD-S-03 GRAB 05/12/00 @1145

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	1.9		SU	SW-846 9045C	5/18/00 19:45	EC

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/12/00
Work Order # 0008-09993

Approved by: R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: ST/PD-S-04 GRAB 05/12/00 @1235

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	12		SU	SW-846 9045C	5/18/00 19:45	EC

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr. Rick Belmont
25 Greystone Street
Warwick, RI 02886

Date Received: 5/15/00
Date Reported: 8/23/00
P.O. #:
Work Order #: 0008-09994

DESCRIPTION: FIVE SOLID SAMPLES

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James B. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 5/15/00
Work Order # 0008-09994

Approved by: R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: DI-S-02 GRAB 05/15/00 @0945

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	12		SU	SW-846 9045C	5/19/00 20:00	EC

Sample #: 002
SAMPLE DESCRIPTION: DI-S-03 GRAB 05/15/00 @1030

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW 846 9045C	5/19/00 20:00	EC

Sample #: 003
SAMPLE DESCRIPTION: SC-S-01 GRAB 05/15/00 @1130

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/19/00 20:00	EC

Sample #: 004
SAMPLE DESCRIPTION: DR-S-01 GRAB 05/15/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	12		SU	SW-846 9045C	5/19/00 20:00	EC

Sample #: 005
SAMPLE DESCRIPTION: RB-S-01 GRAB 05/15/00 @1400

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	5/19/00 20:00	EC

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr. Rick Belmont
25 Greystone Street
Warwick, RI 02886

Date Received: 6/06/00
Date Reported: 8/23/00
P.O. #:
Work Order #: 0008-09995

DESCRIPTION: PROJECT # W-0051 (ONE SOLID SAMPLE)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.J. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 6/06/00
Work Order # 0008-09995

Approved by:
R.J. Analytical

Sample #: 001
SAMPLE DESCRIPTION: DI-S-01 GRAB 06/05/00 @1445

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	6/07/00 20:20	GPY

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Attn: Mr. Rick Belmont
25 Greystone Street
Warwick, RI 02886

Date Received: 6/12/00
Date Reported: 8/23/00
P.O. #:
Work Order #: 0008-09996

DESCRIPTION: PROJECT #W-0052 (TWO SOLID SAMPLES)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737 8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5143 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services/21st Century
Date Received: 6/12/00
Work Order # 0008-09996

Approved by: R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: RE/AKN-S-01 GRAB 06/12/00 @1030

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW 846 9045C	6/12/00 19:30	GFY

Sample #: 002
SAMPLE DESCRIPTION: RE/AC-S-01 GRAB 06/12/00 @1145

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	10		SU	SW 846 9045C	6/12/00 19:30	GFY

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Philip Services Corporation
Attn: Mr. Rick Belmont
Northland Environmental, Inc.
Providence, RI 02905

Date Received: 6/15/00
Date Reported: 8/23/00
P.O. #:
Work Order #: 0008-09997

DESCRIPTION: PROJECT #W-0053 (TWO SOLID SAMPLES)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James P. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

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Tel: (401) 737-8500 Fax: (401) 738-1970

930 Boylston Street, Unit 302, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Philip Services Corporation
Date Received: 6/15/00
Work Order # 0008-09997

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: TB/AC-S-01 GRAB 06/15/00 @1130

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	6/15/00 21:25	GFY

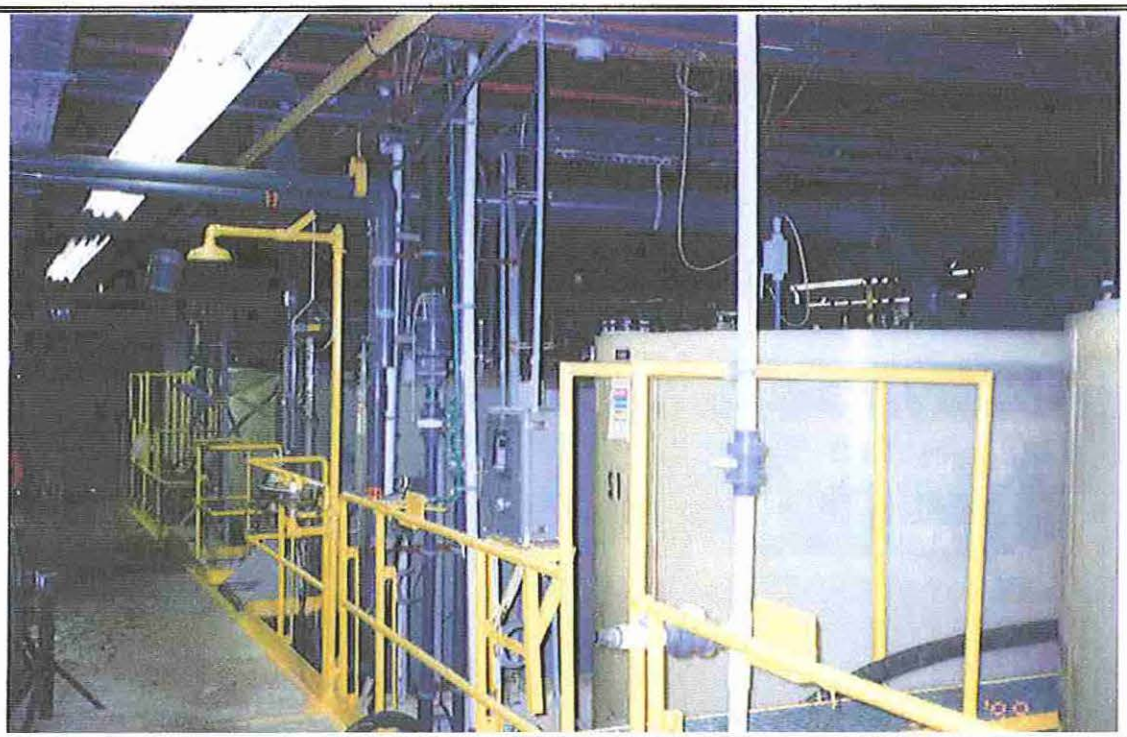
Sample #: 002
SAMPLE DESCRIPTION: TB/AKCN-S-01 GRAB 06/15/00 @1230

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
pH	11		SU	SW-846 9045C	6/15/00 21:25	GFY

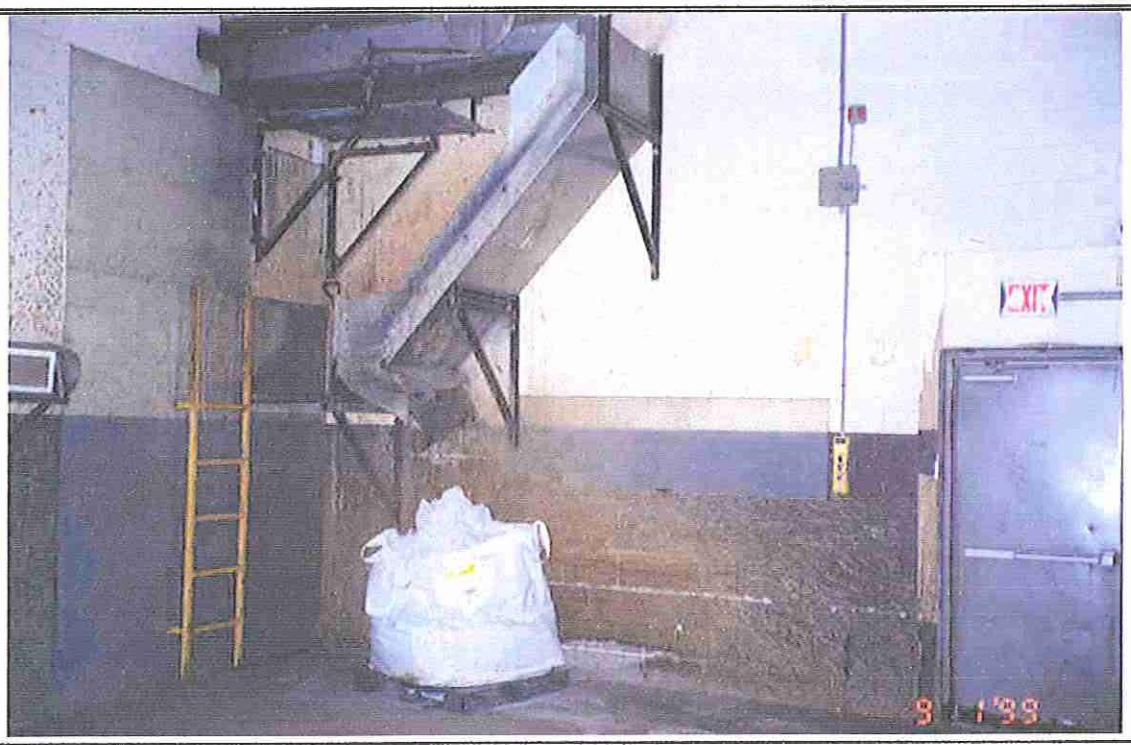
APPENDIX 10

Photographs

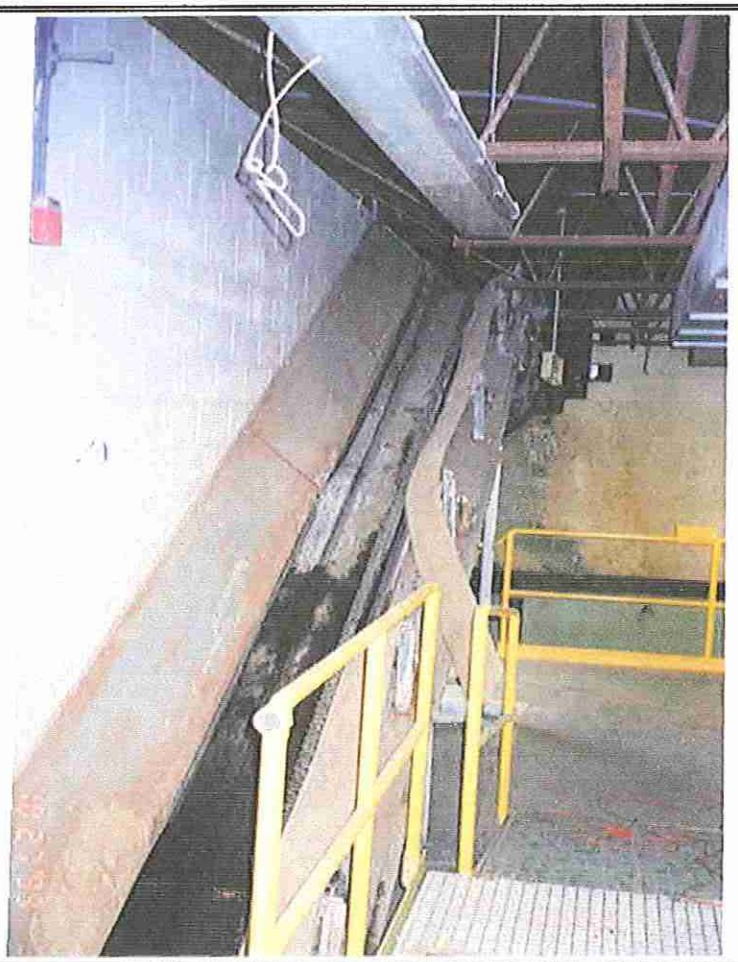
1	Dismantling of Waste Storage Tanks.



2	Waste Storage Tanks.



3	Sludge Conveyor in Dryer Room.

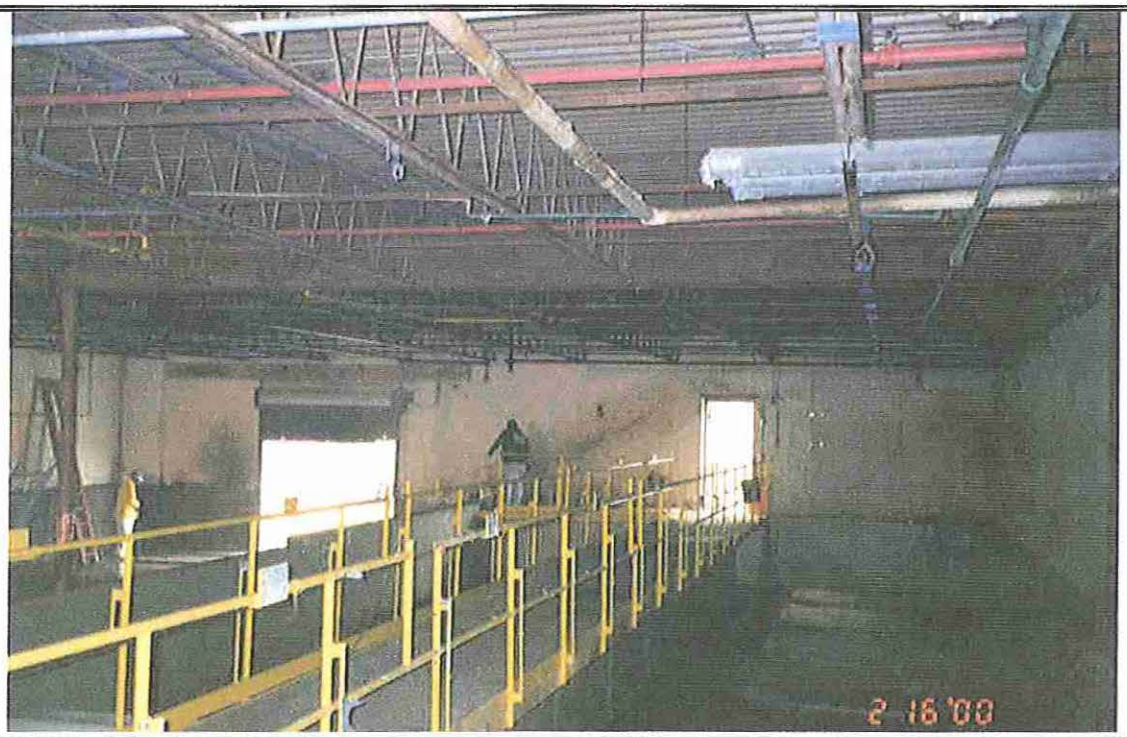


4	Sludge Conveyor in Filter Press Area.

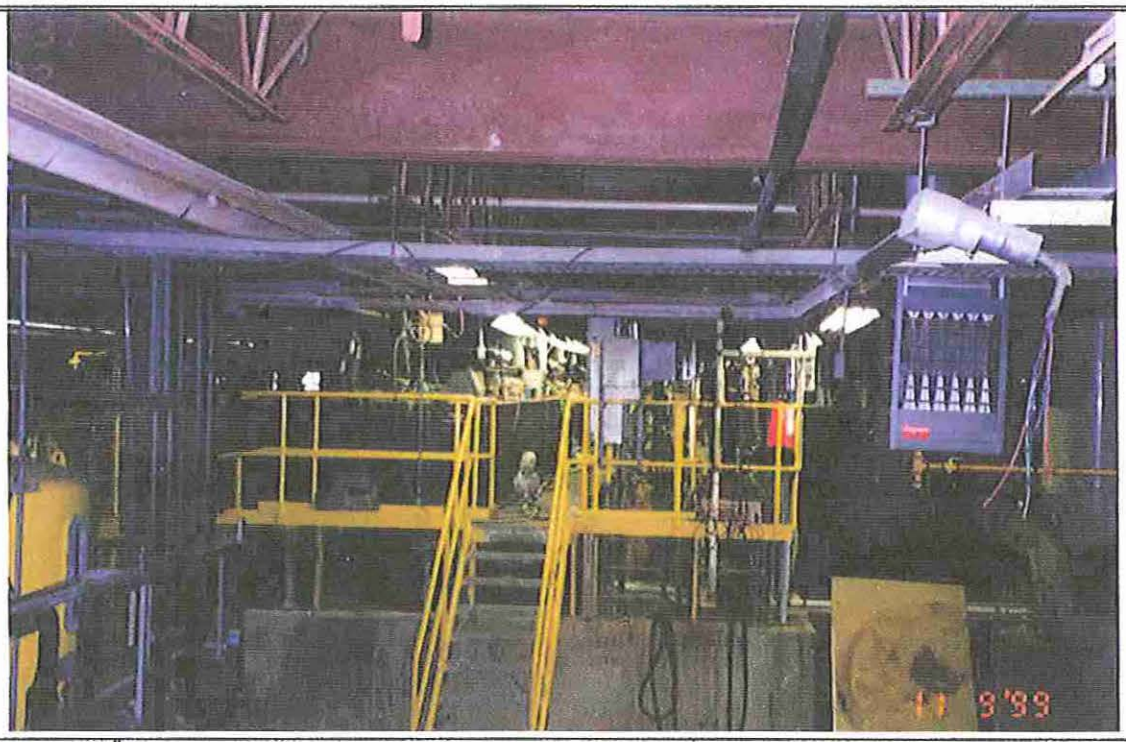
5	Ion Exchange Column, Filter Press (Press #2), and Ammonia Column.

6	Filter Press #2.

7	Filter Press Plate.



8	Waste Storage Tank Area after tanks, Sludge Conveyor, Filter Press, and Ion Exchange Column removal.

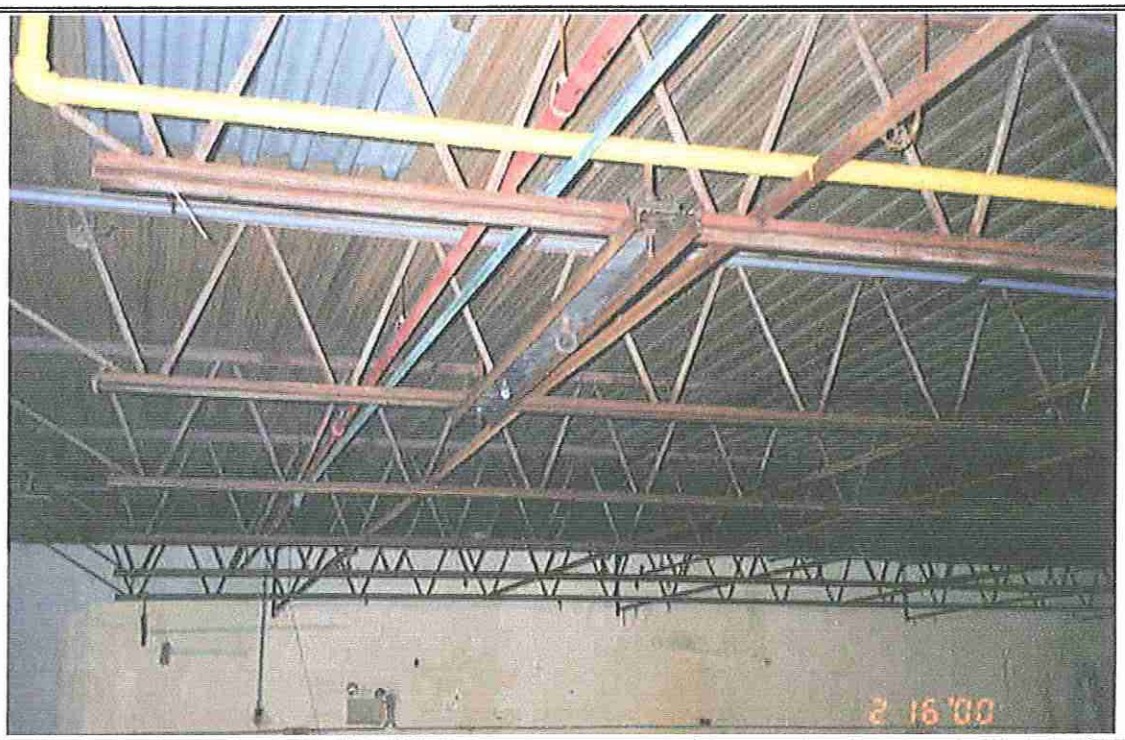


9	Waste Processing Area.

10	Dismantling of Waste Processing Tanks (P Series Reactor Tanks).

11	Waste Processing Area after tank and equipment removal.

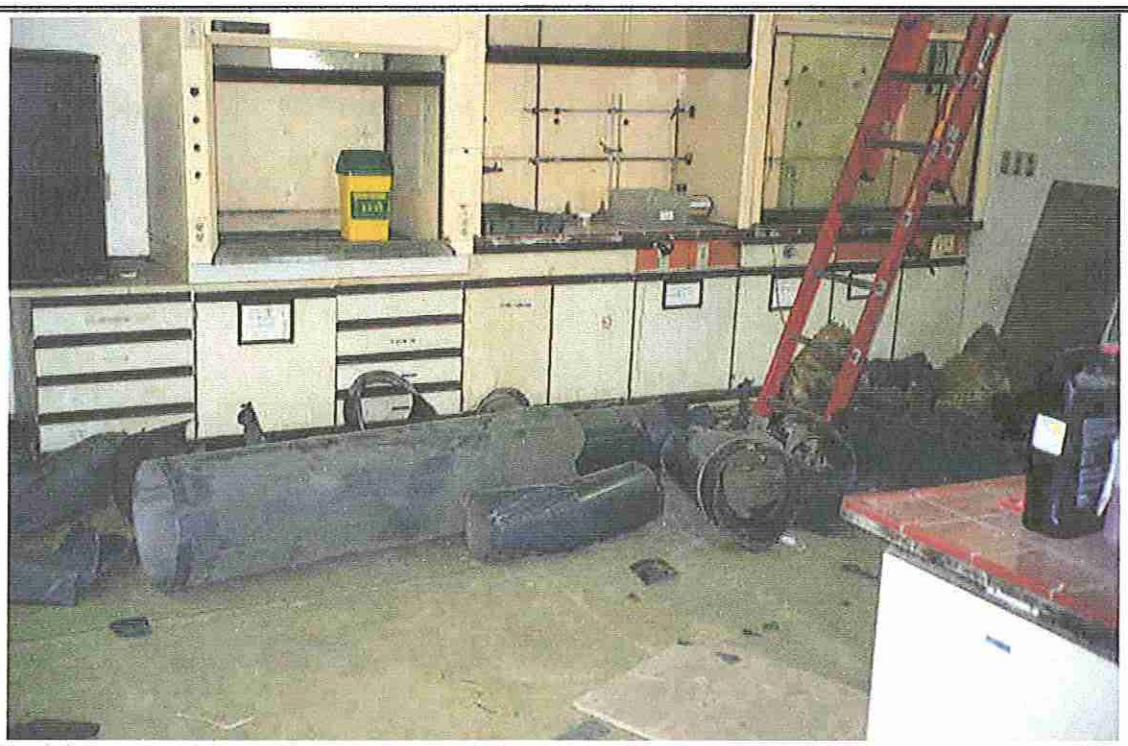
12	Interior Ceiling Piping in Waste Processing Area.



13	Interior ceiling in Waste Processing Area after piping and equipment removal.

14	Receiving Area showing Filter Press #5 and Silver Recovery/Fixer Regeneration unit.

15	Receiving Area after equipment removal.



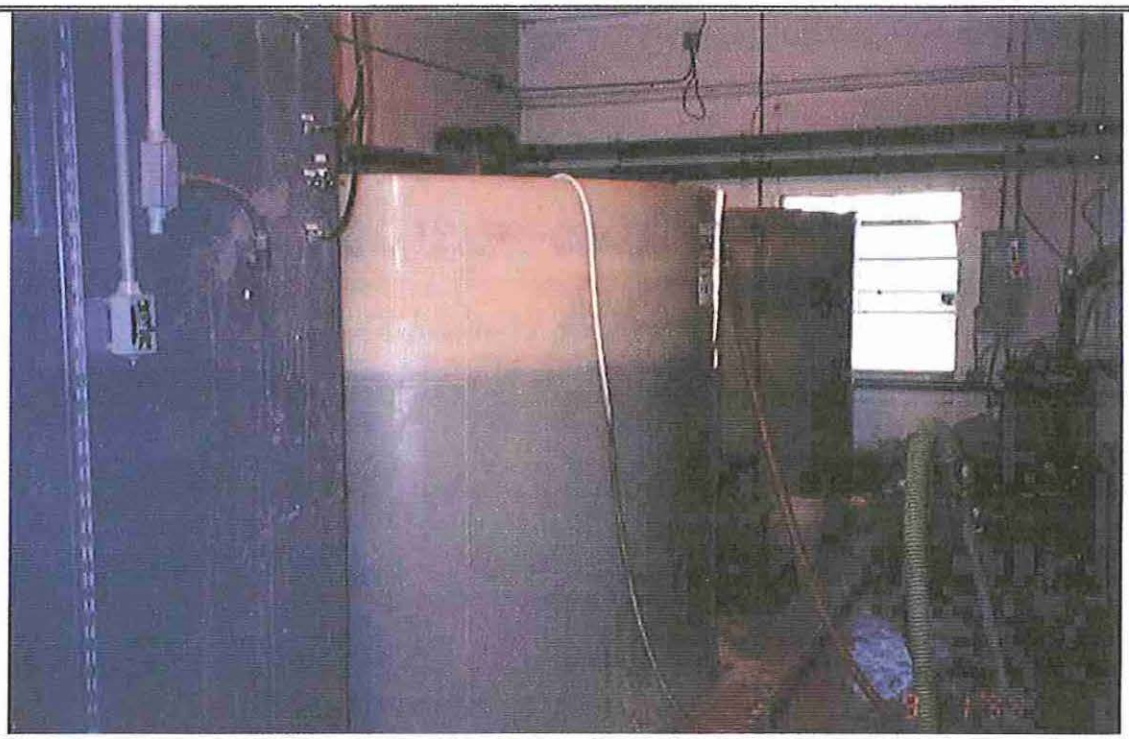
16	Laboratory Area showing removal of ducting.

17	Roof Area showing ducting.

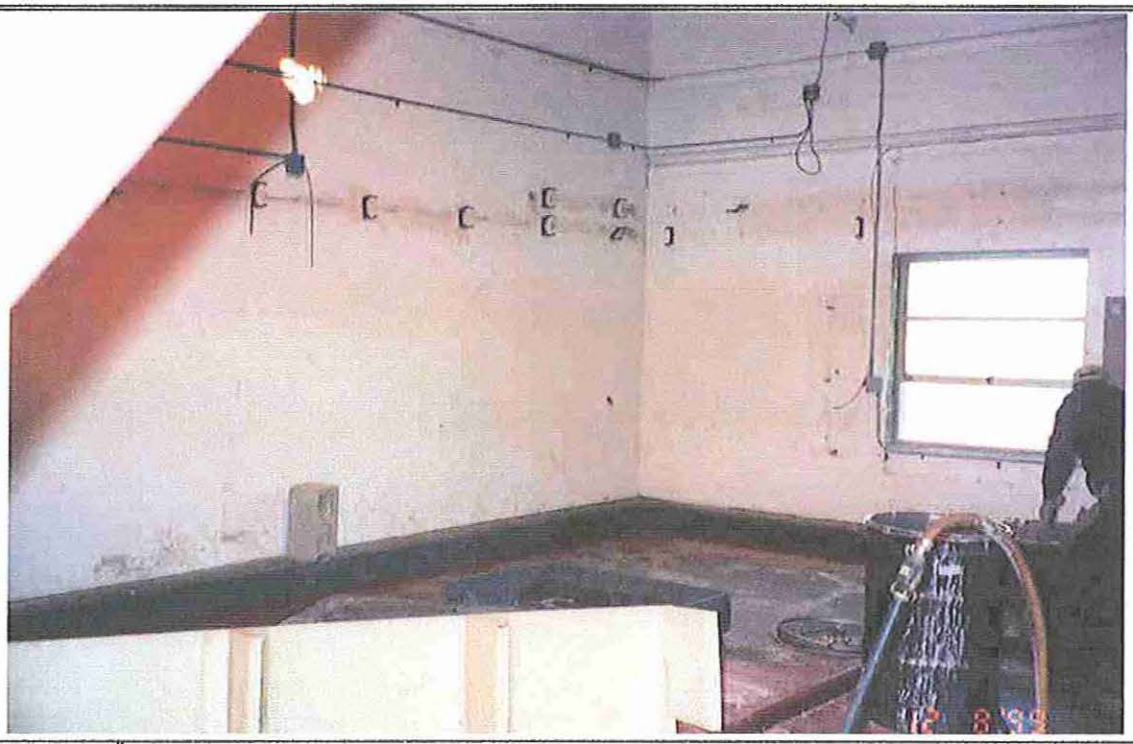
18	Roof Area after removal of ductwork.

19	Typical roll-off used to accumulate and ship dismantled equipment, tanks, etc.

20	Main Scrubber Blower Unit and Tower Base.



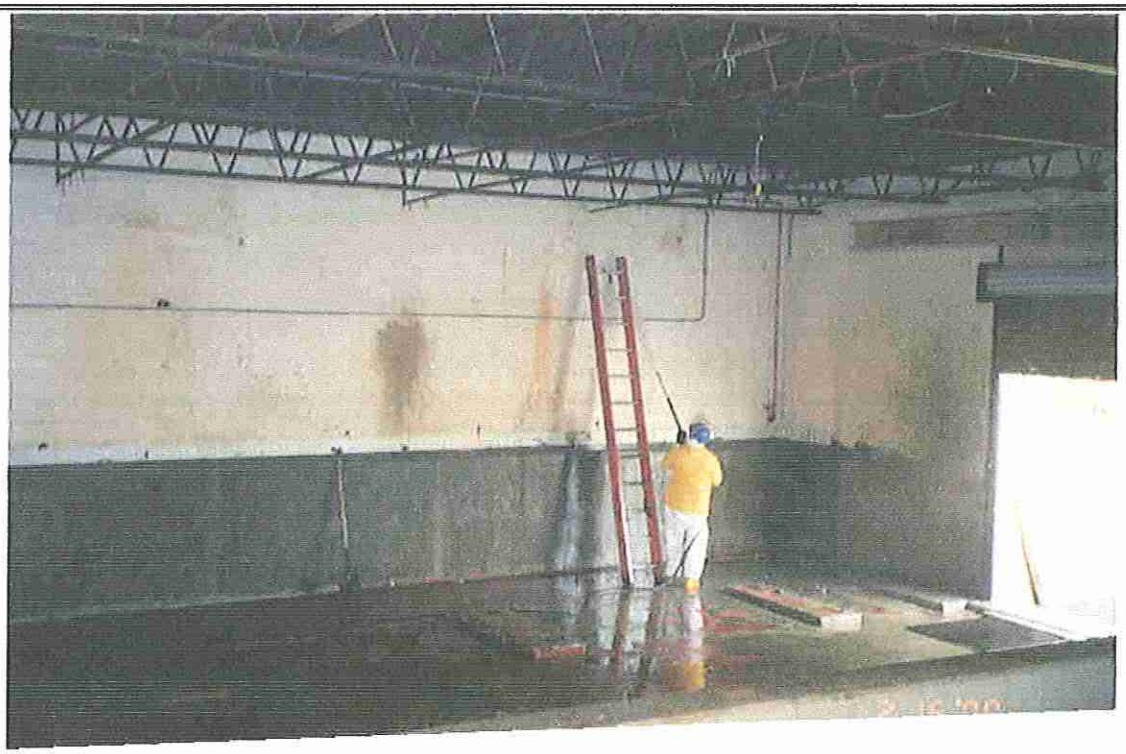
21	Main Scrubber Recirculation Tank.



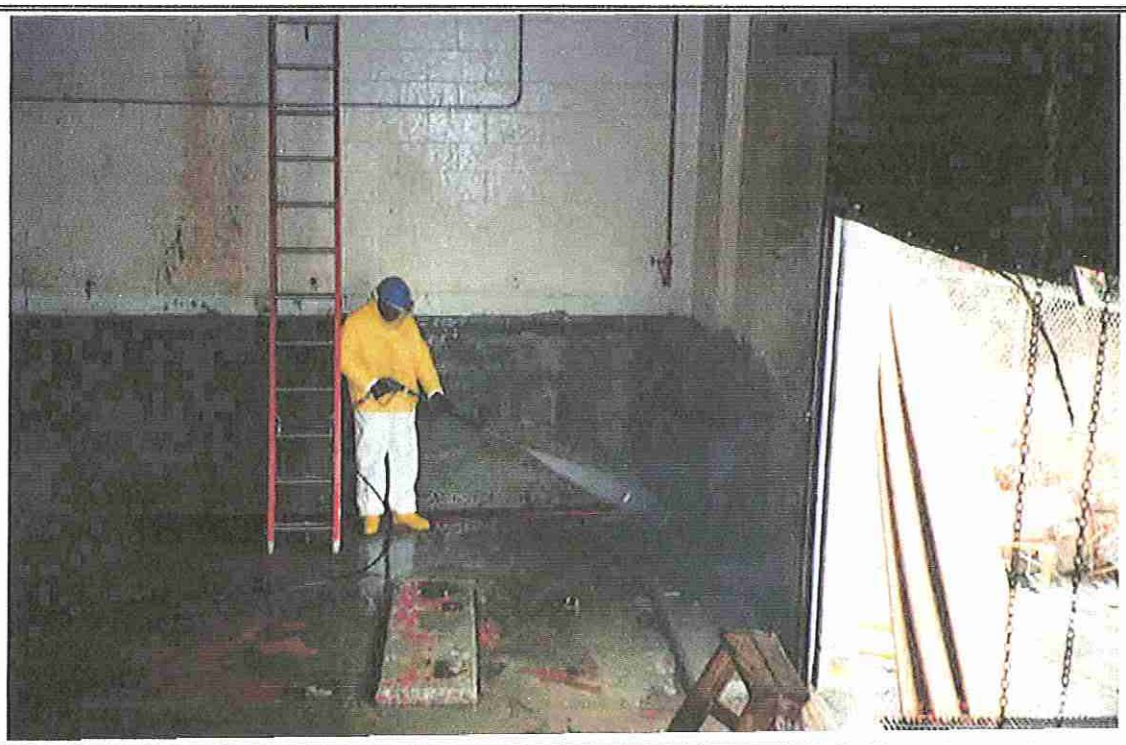
22	Main Scrubber Area after Recirculation Tank removal.

23	Main Scrubber Blower Unit during dismantling and cleaning.

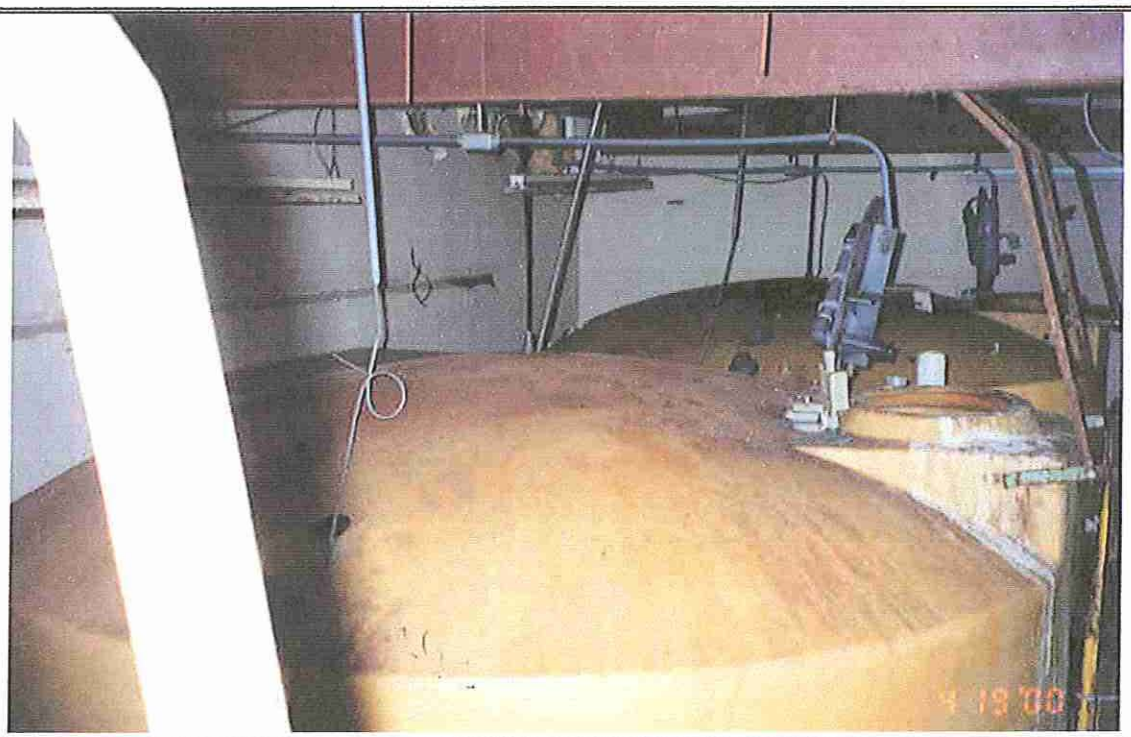
24	Main Scrubber upper-level manway during dismantling and cleaning.



25	Powerwashing (typical) of Filter Press Area.

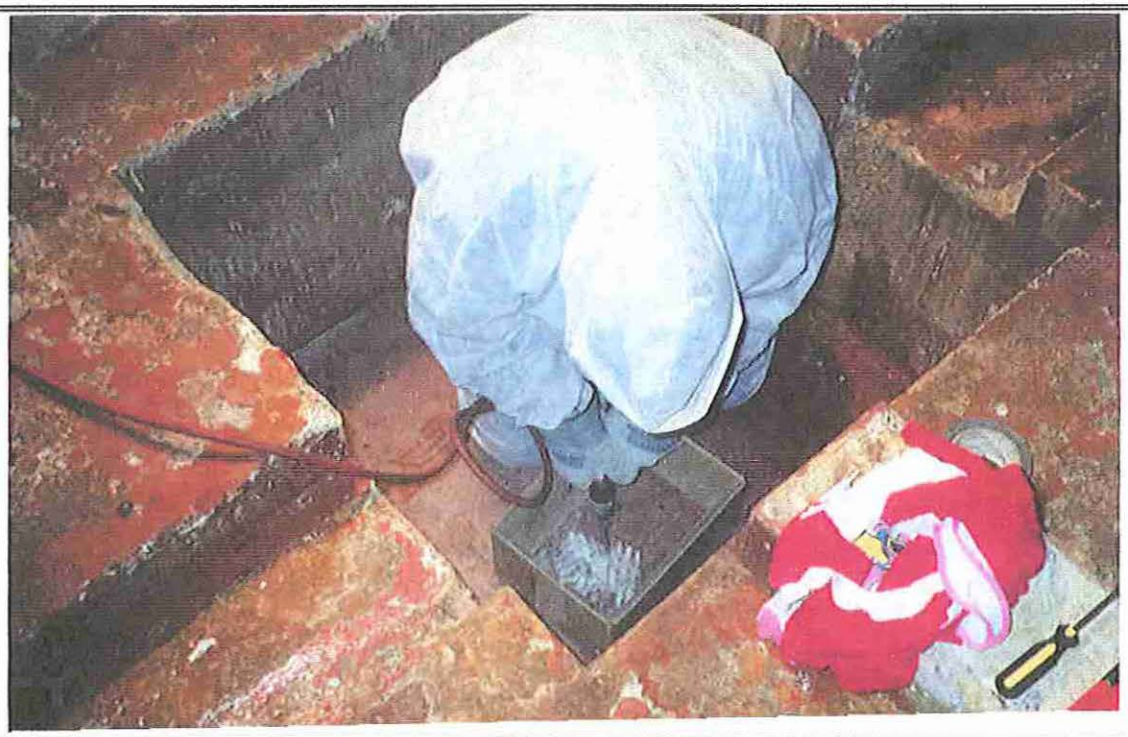


26	Powerwashing (typical) of Filter Press Area.

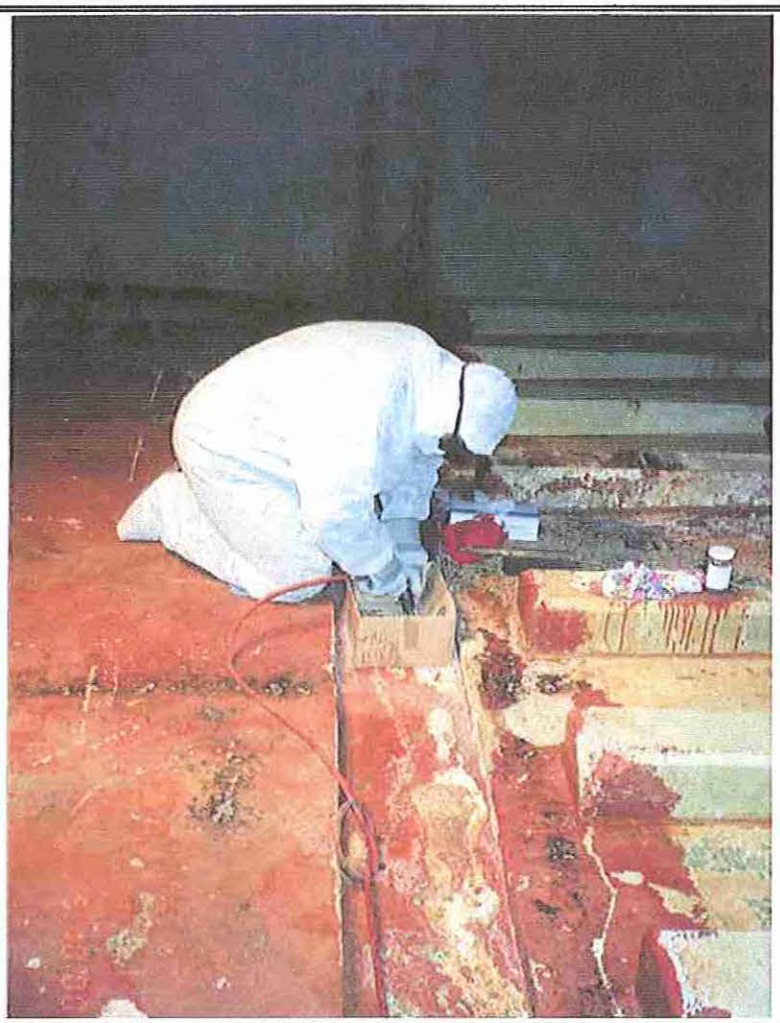


27	Wastewater Discharge Tanks D1, D2, and D3.

28	Removal of Wastewater Discharge Tanks D1, D2, and D3.



29	Typical concrete chip sample of Sump.



30	Typical concrete chip sampling of trench.