

report. hw 734053, 2005-12-13.
Annual rpt. Year 2.pdf

ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC

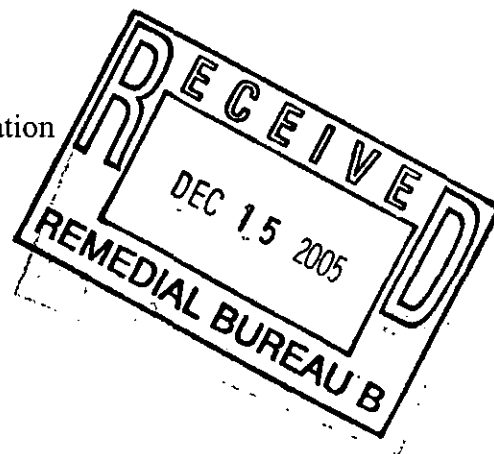


1222 FOREST PARKWAY, SUITE 190
WEST DEPTFORD, NEW JERSEY 08066
856 423-8800 FAX 856 423-3220

December 13, 2005

Mr. John Grathwol, P.E.
Division of Environmental Remediation, 12th Floor
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7010

Re: Annual Landfill Inspection Report (Year 2)
Syracuse China Landfill
Town of Salina, Onondaga County, New York
NYSDEC Site Number 7-34-053



Dear Mr. Grathwol:

Remedial Engineering, P.C. (Remedial Engineering) and Roux Associates, Inc. (Roux Associates) on behalf of The Pfaltzgraff Co. (Pfaltzgraff) have prepared this Annual Landfill Inspection Report to summarize the second year of operation, maintenance and monitoring activities performed at the Syracuse China Landfill, located in the Town of Salina, Onondaga County, New York. This report has been prepared in accordance with the Operation, Maintenance and Monitoring (OM&M) Plan prepared by Remedial Engineering, dated September 25, 2003 and the landfill closure and post-closure criteria specified in Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (6NYCRR) Part 360. The referenced OM&M Plan is on file with the New York State Department of Environmental Conservation (NYSDEC). A site plan is provided as Figure 1.

This report is divided into three sections:

- Summary of Monitoring and Inspection Activities;
- Recommended Maintenance Actions and Monitoring Modifications; and
- Proposed Modifications to OM&M Schedule.

Supporting tables, figures and appendices are included at the end of this report.

Summary of Monitoring and Inspection Activities

Site inspection activities were performed during the second year following Remedial Action as specified in the OM&M Plan. Ground-water sampling, surface water sampling and landfill gas monitoring were performed by Upstate Laboratories, Inc. (Upstate Laboratories) of East Syracuse, New York on December 5, 2004 (first quarter) and March 2, 2005 (second quarter). Ground-water sampling, surface water sampling and landfill gas monitoring were performed by Paradigm Environmental Services, Inc. (Paradigm) of Rochester, New York on June 29, 2005 (third quarter) and September 28 and October 19, 2005 (fourth quarter). An inspection of the landfill was completed on September 16, 2005 by Roux Associates. Site Monitoring, Inspection and Maintenance Forms are included in Appendix A, and site photographs are included in Appendix B.

Ground-Water Monitoring

Ground-water sampling was performed on a quarterly basis by Upstate Laboratories during the first and second quarters and by Paradigm during the third and fourth quarters. Sampling was conducted on December 5, 2004, March 2, 2005, June 29, 2005 and September 28, 2005. Ground-water levels were gauged and samples were collected from monitoring wells MW-1, MW-2, MW-5, MW-6, MW-8 and MW-10 and analyzed for lead.

The results of the monitoring for year two indicate that lead concentrations in ground-water samples were below the appropriate Ambient Water Quality Standard for lead in ground water with the exception of one sample collected from MW-8 on September 28, 2005. On that occasion, lead was detected at a concentration of 0.052 milligrams per liter (mg/L), slightly exceeding the ambient standard of 0.025 mg/L. The slightly elevated lead concentration in MW-8 was attributed to sample turbidity. Lead concentrations for the remaining quarterly rounds for MW-8 were below the Ambient Water Quality Standard. Table 1 includes a summary of ground-water monitoring results and laboratory analytical reports are included as Appendix C.

Surface Water Monitoring

Surface water sampling was performed on a quarterly basis by Upstate Laboratories during the first and second quarters and by Paradigm during the third and fourth quarters. Sampling was conducted on December 5, 2004, March 2, 2005, June 29, 2005, September 28, 2005 and October 19, 2005. Two surface water samples were collected during each quarter. During each field event, one sample was collected from the base of the drainage swale on the northern face of the landfill (SW-1) and one sample was collected from a point north of the wetlands that is representative of runoff from the northern wetland area (SW-2). All surface water samples were analyzed for lead.

The results of the monitoring for year two indicate that lead concentrations in surface water samples were below the appropriate Ambient Water Quality Standard for lead in surface water with the exception of one sample collected from SW-2 on September 28, 2005. Lead was detected at a concentration of 0.622 mg/L, which exceeds the ambient standard of 0.050 mg/L. However, it appeared that the elevated lead concentration in SW-2 was a result of significant sediment entrainment in the sample. As the SW-2 lead result was an order of magnitude above the TOGS 1.1.1 Standard, a second sample was collected for SW-2 on October 19, 2005, utilizing sampling techniques that resulted in less sediment disturbance, and analyzed for lead. Lead was not detected above the laboratory detection limit in the SW-2 sample collected on October 19, 2005. Table 2 includes a summary of surface water monitoring results and the laboratory analytical reports are included as Appendix C.

Landfill Gas Monitoring

Landfill gas was monitored on June 29, 2005 by Paradigm. Monitoring was conducted for hydrogen sulfide and lower explosive limit (LEL) in permanent gas vents GV-1 through GV-7 located within the landfill and temporary gas points TG-1 through TG-6 located outside the perimeter of the landfill cap.

Landfill gas monitoring indicated 1%, 5% and 1% LEL for permanent monitoring points GV-1, GV-2 and GV-3, respectively. Landfill gas monitoring indicated 0% LEL for the remaining four permanent and all temporary monitoring points analyzed at the site. Historical monitoring in the landfill has indicated 0% LEL to date. The 1% and 5% LEL

readings are well below the 25% safety threshold set forth in the Code of Federal Regulations (CFR) 40 Part 257.3-8.

Landfill gas monitoring indicated 0.0 parts per million (ppm) of hydrogen sulfide for all permanent and temporary monitoring points analyzed at the site. Table 3 includes a summary of landfill gas monitoring results.

Landfill Inspection

Roux Associates conducted an inspection of the site on September 16, 2005. The inspection included an evaluation of the landfill cap, site vegetation, drainage structures, access road and security fence. Photographs of the site are included as Appendix B.

The landfill cap surface exhibited 100 percent vegetative cover with no visible signs of erosion. The upper and lower landfill cap swales were observed to be intact with no visible signs of settling, clogging or erosion of riprap or subgrade materials. No obstructions were identified in the cap swales; however, some plant growth was observed within the swales. The landfill down chute was clear of obstructions and vegetative growth. The corrugated pipe and flared outlet located at the toe of the landfill were unobstructed and in good condition; however, some plant growth was observed at the outlet.

The existing wet area located at the northern base of the landfill was inspected for signs of erosion. No ponding was observed in the area and no signs of erosion were evident.

The four onsite monitoring wells (MW-2, MW-5, MW-8 and MW-10) and two wells (MW-1 and MW-6) in the Syracuse China facility were inspected and appeared to be undamaged. Seven permanent gas vents (GV-1 through GV-7), located on the landfill, were also inspected. Two of the gas vents were observed to be damaged. One gas vent (GV-4) required replacement of the outlet and one gas vent (GV-7) was observed to have a breached screen. All remaining vents appeared undamaged.

The access road along the south boundary of the site was observed to be stable and in good condition. The existing chain link security fence was also in good condition. All fence gates were undamaged and secured with locks.

The sixteen signs installed along Factory Avenue in 2004 were inspected. The eight signs installed on the Syracuse China chain link fence were undamaged and tightly secured to the fence. The remaining eight signs installed on posts in the right-of-way on the north side of Factory Avenue were also undamaged.

Recommended Maintenance Actions and Monitoring Modifications

The landfill will require periodic mowing to prevent woody vegetation growth on the landfill cap. In addition to mowing activities, weed whacking will be required to remove vegetation within the landfill swales. Weed whacking can be performed concurrently with seasonal mowing activities.

Proposed Modifications to OM&M Schedule

Groundwater Monitoring

As presented in the OM&M Plan, Pfaltzgraff is requesting that the ground-water sampling frequency be reduced to semi-annually. This request is based on year one and year two monitoring results. Ground-water samples indicated lead below 0.025 mg/L with the

Mr. John Grathwol, P.E.

December 13, 2005

Page 4

exception of one sample in year one and one sample in year two (both attributed to turbidity). It is anticipated that Pfaltzgraff will request that ground-water sampling continue to be conducted semi-annually in years four and five based on the results of the first three years of monitoring. Sampling after year five would be conducted on an annual basis, if deemed necessary.

Surface Water Monitoring

As presented in the O&M Plan, Pfaltzgraff is requesting that surface water monitoring frequency be reduced to semi-annually. This request is based on year one and year two monitoring results. Lead concentrations in all surface water samples collected during year one were below the appropriate Ambient Water Quality Standard for lead in surface water. The concentration of lead detected in surface water sample SW-2 collected during year two exceeded the appropriate Ambient Water Quality Standard for lead in surface water. However, it appeared that the elevated lead concentration in SW-2, during the September 28, 2005 event, was a result of significant turbidity in the sample. A second sample was collected for SW-2 and analyzed for lead. Lead was not detected above the laboratory detection limit in the second SW-2 sample collected.

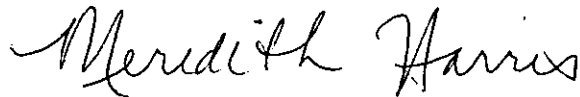
Landfill Gas Monitoring

As presented in the O&M Plan, Pfaltzgraff is requesting that the landfill gas monitoring be discontinued for years three through five. This request is based on the results of the year one and year two landfill gas surveys and the character of the landfill waste (largely inert materials with no potential to produce methane). Landfill gas monitoring indicated 0.0 ppm of hydrogen sulfide for all permanent and temporary monitoring points analyzed at the site during year one and year two. Landfill gas monitoring indicated 0% LEL in year one. In year two, there were two readings indicating 1% LEL and one reading indicating 5% LEL. The 1% and 5% LEL readings, however, are well below the 25% safety threshold set forth in CFR 40 Part 257.3-8.

Subsequent Annual Landfill Inspection Reports summarizing yearly inspection activities and monitoring data will be submitted to the NYDSEC after years three, four and five.

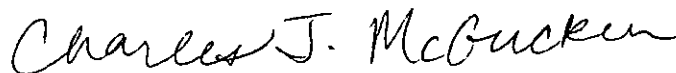
Please call either of the undersigned with any questions regarding this report.

Sincerely,
ROUX ASSOCIATES, INC.



Meredith Harris, P.E.
Senior Engineer

REMEDIAL ENGINEERING, P.C.



Charles J. McGuckin, P.E.
Principal Engineer

Table 1. Summary of Ground-Water Monitoring Results. Syracuse China Landfill; Town of Salina, New York.

Sample Date: Sample ID	Ambient Water Quality Standard for Lead in Ground Water (mg/L) ¹	Lead Concentration (mg/L)			
		12/5/04	3/2/05	6/29/05	9/28/05
MW-1	0.025	<0.001	<0.001	0.009	0.018
MW-2	0.025	0.002	<0.001	<0.005	<0.005
MW-5	0.025	0.003	NA	<0.005	<0.005
MW-6	0.025	0.001	<0.001	<0.005	0.006
MW-8	0.025	0.005	<0.001	0.020	0.052
MW-10	0.025	<0.001	<0.001	<0.005	<0.005

Bold = Indicates an exceedence of the Ambient Water Quality Standard.

mg/L = Milligrams per liter.

NA = Not Analyzed.

1. The Ambient Water Quality Standard was obtained from 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (New York State Department of Environmental Conservation, 1999).

Table 2. Summary of Surface Water Monitoring Results. Syracuse China Landfill; Town of Salina, New York.

Sample Date: Sample ID	Ambient Water Quality Standard for Lead in Surface Water (mg/L) ¹	Concentration of Lead (mg/L)				
		12/5/04	3/2/05	6/29/05	9/28/05	10/19/05
SW-1	0.050	0.041	<0.001	<0.005	<0.005	NA
SW-2	0.050	0.001	NA	0.005	0.622	<0.005

Bold = indicates an exceedence of the Ambient Water Quality Standard.

mg/L = Milligrams per liter.

NA = Not Analyzed.

1. The Ambient Water Quality Standard was obtained from 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (New York State Department of

Table 3. Summary of Landfill Gas Monitoring Results. Syracuse China Landfill; Town of Salina, New York.

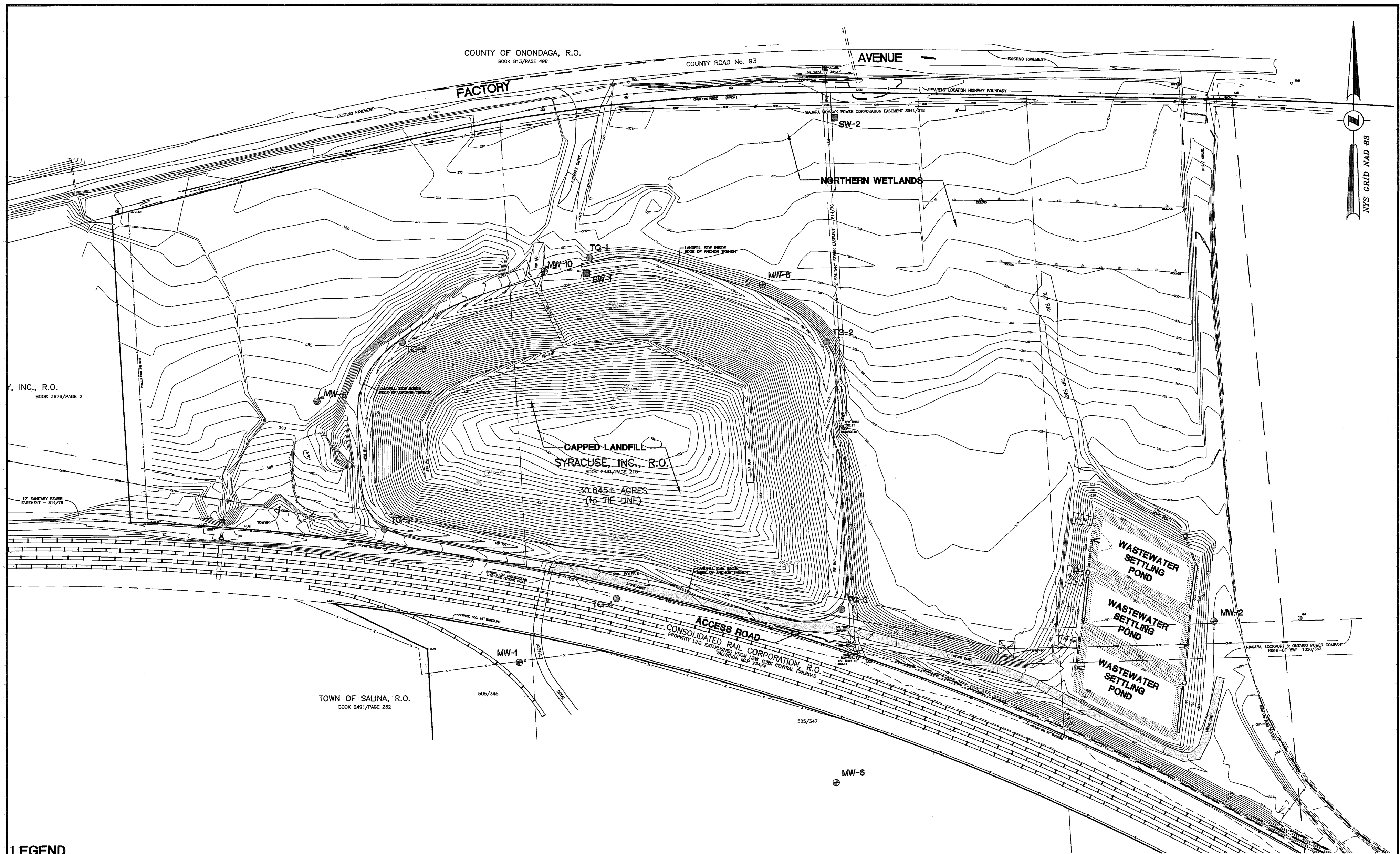
Sample Date:	11/17/04		3/2/05		6/29/05		9/16/05	
Location	H ₂ S (ppm)	LEL (%)	H ₂ S (ppm)	LEL (%)	H ₂ S (ppm)	LEL (%)	H ₂ S (ppm)	LEL (%)
GV-1	NA	NA	NA	NA	0	1%	NA	NA
GV-2	NA	NA	NA	NA	0	.5%	NA	NA
GV-3	NA	NA	NA	NA	0	1%	NA	NA
GV-4	NA	NA	NA	NA	0	0%	NA	NA
GV-5	NA	NA	NA	NA	0	0%	NA	NA
GV-6	NA	NA	NA	NA	0	0%	NA	NA
GV-7	NA	NA	NA	NA	0	0%	NA	NA
TG-1	NA	NA	NA	NA	0	0%	NA	NA
TG-2	NA	NA	NA	NA	0	0%	NA	NA
TG-3	NA	NA	NA	NA	0	0%	NA	NA
TG-4	NA	NA	NA	NA	0	0%	NA	NA
TG-5	NA	NA	NA	NA	0	0%	NA	NA
TG-6	NA	NA	NA	NA	0	0%	NA	NA

H₂S = Hydrogen Sulfide.

LEL = Lower Explosive Limit.

ppm = parts per million.

NA = Not Analyzed.



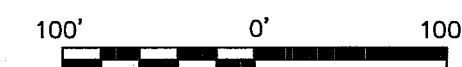
LEGEND

---	EXISTING PROPERTY LINE	---	DESIGN DOWN CHUTE
---	EXISTING EASEMENT	---	FENCE
434	1 FOOT CONTOUR	---	EXISTING MANHOLE RIM ELEVATION
---	EXISTING RAILROAD TRACKS	---	EXISTING UTILITY POLE WITH OVERHEAD WIRES
OHW	EXISTING OVERHEAD ELECTRICAL TRANSMISSION WIRES	---	EXISTING UNDERGROUND TELEPHONE CABLE MARKER
SAN	EXISTING SUBSURFACE SANITARY SEWER WATERLINE	---	EXISTING POLYVINYL CHLORIDE PIPE WITH DIAMETER
W	EXISTING APPROXIMATE LOCATION 24" WATERLINE	---	EXISTING SURVEY MONUMENT SET 3-8-1990 CAPPED IRON ROD SET IN CONCRETE
UGT	EXISTING UNDERGROUND TELEPHONE LINE (FIBER OPTIC) LOCATION	---	EXISTING SANITARY SEWER MANHOLE
G	EXISTING GAS LINE LOCATION	---	EXISTING GAS MARKER

SW-2	SURFACE WATER MONITORING LOCATION
GV-7	PERMANENT LANDFILL GAS VENT
MW-8	GROUND-WATER MONITORING WELL
TG-4	TEMPORARY PERIMETER GAS MONITORING POINT

NOTES

- ALL DATA PRESENTED ON THIS DRAWING IS TAKEN FROM "RECORD DRAWINGS SYRACUSE CHINA LANDFILL NOVEMBER/DECEMBER 2001, MARCH 2005 TOPSOIL SURVEY", DRAWING NUMBER 05-168 PREPARED BY C.T. MALE ASSOCIATES, P.C. OF SYRACUSE, NEW YORK.
- BASIS OF BEARINGS: TRUE NORTH, BASED ON CONTROL ESTABLISHED BY N.Y.S.D.O.T.
- ELEVATION DATUM IS MEAN SEA LEVEL, BASED ON CONTROL ESTABLISHED BY U.S.G.S. (NGVD 29).
- SURFACE WATER MONITORING WELL LOCATIONS (SW-) ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD AS NECESSARY.



Title: SITE PLAN			
SYRACUSE CHINA REMEDIAL ACTION TOWN OF SALINA, ONONDAGA COUNTY, NEW YORK			
Prepared For: THE PFALTZGRAFF CO.			
REMEDIAL ENGINEERING, P.C. ENVIRONMENTAL ENGINEERS	Compiled by: ML	Date: 11/21/05	FIGURE 1
	Prepared by: PJT	Scale: AS SHOWN	
	Project Mgr: MMH	Office: NJ	
	File No: 57701104	Project: 57701	

APPENDIX A

SITE MONITORING, INSPECTION AND MAINTENANCE FORMS

Site Monitoring, Inspection and Maintenance Form

Inspector: Monica LaSelva/Paul Baltzersen

Date: 11/17/2002 12/5/2004

Item	Action	Value	Notes	Corrective Action Suggested
MW-1 ^a	Ground-Water Sample for Lead (ug/l)	<1	TOGS 1.1.1 Standard = 25 ug/l	None
MW-1 ^a	Ground-Water Elevation (ft MSL)	399.47	—	None
MW-2 ^a	Ground-Water Sample for Lead (ug/l)	2	TOGS 1.1.1 Standard = 25 ug/l	None
MW-2 ^a	Ground-Water Elevation (ft MSL)	390.43	—	None
MW-5 ^a	Ground-Water Sample for Lead (ug/l)	3	TOGS 1.1.1 Standard = 25 ug/l	None
MW-5 ^a	Ground-Water Elevation (ft MSL)	387.78	—	None
MW-6 ^a	Ground-Water Sample for Lead (ug/l)	1	TOGS 1.1.1 Standard = 25 ug/l	None
MW-6 ^a	Ground-Water Elevation (ft MSL)	410.94	—	None
MW-8 ^a	Ground-Water Sample for Lead (ug/l)	5	TOGS 1.1.1 Standard = 25 ug/l	None
MW-8 ^a	Ground-Water Elevation (ft MSL)	388.13	—	None
MW-10 ^a	Ground-Water Sample for Lead (ug/l)	<1	TOGS 1.1.1 Standard = 25 ug/l	None
MW-10 ^a	Ground-Water Elevation (ft MSL)	379.83	—	None
GV-1	Inspect for Damage	NA	Good condition	None
GV-2	Inspect for Damage	NA	Good condition	None
GV-3	Inspect for Damage	NA	Good condition	None
GV-4	Inspect for Damage	NA	Seal broken, screen breached	Repair
GV-5	Inspect for Damage	NA	Good condition	None
GV-6	Inspect for Damage	NA	Good condition	None
GV-7	Inspect for Damage	NA	Good condition	None
SW-1 ^b	SW Sample for Lead at Swales (ug/l)	41	TOGS 1.1.1 Standard = 50 ug/l	None
SW-2 ^b	SW Sample for Lead at Northern Discharge (ug/l)	1	TOGS 1.1.1 Standard = 50 ug/l	None
Eastern Portion of Site ^c	Inspect Vegetation	NA	Good condition	None
Eastern Portion of Site ^c	Mow Grass	NA	2-3 feet high	Spring mowing
Cap Surface ^c	Inspect Vegetation	NA	Good condition	None
Cap Surface ^c	Mow Grass	NA	2-3 feet high	Spring mowing
Northern Wetland ^d	Inspect Vegetation	NA	Good condition	None
Swales ^e	Inspect for Erosion	NA	Some vegetation	Weed-whacking
Fence ^e	Inspect for Damage	NA	Good condition	None

Site Monitoring, Inspection and Maintenance Form

Inspector: Monica LaSelva/Paul Baltzersen

Date: 11/17/2002 12/5/2004

Item	Action	Value	Notes	Corrective Action Suggested
Signs on SC Fence ^c	Inspect for Damage	NA	Installed 11/17/04	None
Signs north of Factory Avenue	Inspect for Damage	NA	Installed 11/17/04	None
Access Road ^c	Inspect for Wear and Erosion	NA	Good condition	None
Drop Chute ^c	Inspect for Blockage	NA	Good condition	None
Energy Dissipation Structures ^c	Inspect for Damage	NA	Good condition	None
Sitewide ^c	Inspect for Major Erosion Problems	NA	Good condition	None
Sitewide ^c	Inspect for Significant Differential Settlement	NA	No settlement observed	None

MW = Ground-Water Monitoring Well

GV = Permanent Landfill Gas Vent

LEL = Lower Explosive Limit

SW = Surface Water

SC = Syracuse China

GM = General Motors Corporation

Notes and Assumptions

^a Ground-Water Sampling

1. Ground-water sampling to be performed quarterly for years 1 and 2.
2. Ground-water sampling to be performed semi-annually for years 3 through 5.
3. Ground-water sampling to be performed annually for years 6 through 30.
4. NYSDEC will grant reduction of ground-water sampling, Part 360 requires quarterly sampling for minimum of 5 years.

^b Surface-Water Sampling

1. Surface-water sampling to be performed quarterly for years 1 and 2.
2. Surface-water sampling to be performed semi-annually for year 3.
3. No Surface-water sampling will be performed after year 3.
4. NYSDEC will grant reduction of surface-water sampling, Part 360 requires quarterly sampling for minimum of 5 years.

^c Landfill Mowing and Repairs

1. Landfill mowing to be performed semi-annually for years 1 through 30.

^d Wetlands Monitoring Activities

1. Wetlands vegetation inspection is for erosion only and is not part of the USACE-required activities.

^e Annual Landfill Inspection and Reporting

1. One inspection to be performed annually for years 1 through 30.

Site Monitoring, Inspection and Maintenance Form.

Inspector: Paul Baltzersen/Nate Talucci

Date: 3/2/2005

Item	Action	Value	Notes	Corrective Action Suggested
MW-1 ^a	Ground-Water Sample for Lead (ug/l)	<1	TOGS 1.1.1 Standard = 25 ug/l	None
MW-1 ^a	Ground-Water Elevation (ft MSL)	397.55	--	None
MW-2 ^a	Ground-Water Sample for Lead (ug/l)	<1	TOGS 1.1.1 Standard = 25 ug/l	None
MW-2 ^a	Ground-Water Elevation (ft MSL)	390.37	--	None
MW-5 ^a	Ground-Water Sample for Lead (ug/l)	NA	TOGS 1.1.1 Standard = 25 ug/l	None
MW-5 ^a	Ground-Water Elevation (ft MSL)	NA	--	None
MW-6 ^a	Ground-Water Sample for Lead (ug/l)	<1	TOGS 1.1.1 Standard = 25 ug/l	None
MW-6 ^a	Ground-Water Elevation (ft MSL)	410.09	--	None
MW-8 ^a	Ground-Water Sample for Lead (ug/l)	<1	TOGS 1.1.1 Standard = 25 ug/l	None
MW-8 ^a	Ground-Water Elevation (ft MSL)	388.94	--	None
MW-10 ^a	Ground-Water Sample for Lead (ug/l)	<1	TOGS 1.1.1 Standard = 25 ug/l	None
MW-10 ^a	Ground-Water Elevation (ft MSL)	379.94	--	None
GV-1	Inspect for Damage	NA	--	None
GV-2	Inspect for Damage	NA	--	None
GV-3	Inspect for Damage	NA	--	None
GV-4	Inspect for Damage	NA	--	None
GV-5	Inspect for Damage	NA	--	None
GV-6	Inspect for Damage	NA	--	None
GV-7	Inspect for Damage	NA	--	None
SW-1 ^b	SW Sample for Lead at Swales (ug/l)	<1	TOGS 1.1.1 Standard = 50 ug/l	None
SW-2 ^b	SW Sample for Lead at Northern Discharge (ug/l)	NA	TOGS 1.1.1 Standard = 50 ug/l	None
Eastern Portion of Site ^c	Inspect Vegetation	NA	--	None
Eastern Portion of Site ^c	Mow Grass	NA	--	Fall mowing
Cap Surface ^c	Inspect Vegetation	NA	--	None
Cap Surface ^c	Mow Grass	NA	--	Fall mowing

Site Monitoring, Inspection and Maintenance Form.

Inspector: Paul Baltzersen/Nate Talucci

Date: 3/2/2005

Item	Action	Value	Notes	Corrective Action Suggested
Northern Wetland ^d	Inspect Vegetation	NA	--	None
Swales ^c	Inspect for Erosion	NA	--	Weed-whacking as needed
Fence ^c	Inspect for Damage	NA	--	None
Signs on SC Fence ^c	Inspect for Damage	NA	--	None
Signs on GM Fence ^c	Inspect for Damage	NA	--	None
Access Road ^c	Inspect for Wear and Erosion	NA	--	None
Drop Chute ^c	Inspect for Blockage	NA	--	None
Energy Dissipation Structures ^c	Inspect for Damage	NA	--	None
Sitewide ^c	Inspect for Major Erosion Problems	NA	--	None
Sitewide ^c	Inspect for Significant Differential Settlement	NA	--	None

MW = Ground-Water Monitoring Well

GV = Permanent Landfill Gas Vent

LEL = Lower Explosive Limit

SW = Surface Water

SC = Syracuse China

GM = General Motors Corporation

NA = Not Analyzed.

Notes and Assumptions

^a Ground-Water Sampling

1. Ground-water sampling to be performed quarterly for years 1 and 2.
2. Ground-water sampling to be performed semi-annually for years 3 through 5.
3. Ground-water sampling to be performed annually for years 6 through 30.
4. NYSDEC will grant reduction of ground-water sampling, Part 360 requires quarterly sampling for minimum of 5 years.

^b Surface-Water Sampling

1. Surface-water sampling to be performed quarterly for years 1 and 2.
2. Surface-water sampling to be performed semi-annually for year 3.
3. No Surface-water sampling will be performed after year 3.
4. NYSDEC will grant reduction of surface-water sampling, Part 360 requires quarterly sampling for minimum of 5 years.

^c Landfill Mowing and Repairs

1. Landfill mowing to be performed semi-annually for years 1 through 30.

^d Wetlands Monitoring Activities

1. Wetlands vegetation inspection is for erosion only and is not part of the USACE-required activities.

^e Annual Landfill Inspection and Reporting

1. One inspection to be performed annually for years 1 through 30.

Landfill Gas Monitoring Form.

Inspector: Paul Baltzersen/Nate Talucci

Date: 3/2/2005

Item	Action	Location	Value	Notes	Corrective Action Suggested
GV-1	Monitor for Hydrogen Sulfide		NA	--	None
GV-1	Monitor for LEL		NA	--	None
GV-2	Monitor for Hydrogen Sulfide		NA	--	None
GV-2	Monitor for LEL		NA	--	None
GV-3	Monitor for Hydrogen Sulfide		NA	--	None
GV-3	Monitor for LEL		NA	--	None
GV-4	Monitor for Hydrogen Sulfide		NA	--	None
GV-4	Monitor for LEL		NA	--	None
GV-5	Monitor for Hydrogen Sulfide		NA	--	None
GV-5	Monitor for LEL		NA	--	None
GV-6	Monitor for Hydrogen Sulfide		NA	--	None
GV-6	Monitor for LEL		NA	--	None
GV-7	Monitor for Hydrogen Sulfide		NA	--	None
GV-7	Monitor for LEL		NA	--	None
TG-1	Monitor for Hydrogen Sulfide		NA	--	None
TG-1	Monitor for LEL		NA	--	None
TG-2	Monitor for Hydrogen Sulfide		NA	--	None
TG-2	Monitor for LEL		NA	--	None
TG-3	Monitor for Hydrogen Sulfide		NA	--	None
TG-3	Monitor for LEL		NA	--	None
TG-4	Monitor for Hydrogen Sulfide		NA	--	None
TG-4	Monitor for LEL		NA	--	None
TG-5	Monitor for Hydrogen Sulfide		NA	--	None

Landfill Gas Monitoring Form.

Inspector: Paul Baltzersen/Nate Talucci

Date: 3/2/2005

Item	Action	Location	Value	Notes	Corrective Action Suggested
TG-5	Monitor for LEL		NA	--	None
TG-6	Monitor for Hydrogen Sulfide		NA	--	None
TG-6	Monitor for LEL		NA	--	None

Notes and Assumptions

GV = Landfill Gas Vent.

TG = Temporary Gas Monitoring Point (Points are placed at 400-foot intervals around the perimeter of the constructed cap).

NA = Not Analyzed.

LEL = Lower Explosive Limit.

Landfill gas sampling to be performed quarterly year 1.

Landfill gas sampling to be performed annually years 2 through 5.

No landfill gas sampling will be performed after year 5.

Site Monitoring, Inspection and Maintenance Form.

Inspector: Byron Peterson

Date: 6/29/2005

Item	Action	Value	Notes	Corrective Action Suggested
MW-1 ^a	Ground-Water Sample for Lead (mg/l)	9	TOGS 1.1.1 Standard = 0.025 mg/l	None
MW-1 ^a	Ground-Water Elevation (ft MSL)	393.78	--	None
MW-2 ^a	Ground-Water Sample for Lead (mg/l)	<5	TOGS 1.1.1 Standard = 0.025 mg/l	None
MW-2 ^a	Ground-Water Elevation (ft MSL)	386.84	--	None
MW-5 ^a	Ground-Water Sample for Lead (mg/l)	<5	TOGS 1.1.1 Standard = 0.025 mg/l	None
MW-5 ^a	Ground-Water Elevation (ft MSL)	385.4	--	None
MW-6 ^a	Ground-Water Sample for Lead (mg/l)	<5	TOGS 1.1.1 Standard = 0.025 mg/l	None
MW-6 ^a	Ground-Water Elevation (ft MSL)	406.7	--	None
MW-8 ^a	Ground-Water Sample for Lead (mg/l)	20	TOGS 1.1.1 Standard = 0.025 mg/l	None
MW-8 ^a	Ground-Water Elevation (ft MSL)	386.87	--	None
MW-10 ^a	Ground-Water Sample for Lead (mg/l)	<5	TOGS 1.1.1 Standard = 0.025 mg/l	None
MW-10 ^a	Ground-Water Elevation (ft MSL)	379.55	--	None
GV-1	Inspect for Damage	NA	--	None
GV-2	Inspect for Damage	NA	--	None
GV-3	Inspect for Damage	NA	--	None
GV-4	Inspect for Damage	NA	--	None
GV-5	Inspect for Damage	NA	--	None
GV-6	Inspect for Damage	NA	--	None
GV-7	Inspect for Damage	NA	--	None
SW-1 ^b	SW Sample for Lead at Swales (mg/l)	<5	TOGS 1.1.1 Standard = 0.050 mg/l	None
SW-2 ^b	SW Sample for Lead at Northern Discharge (mg/l)	5	TOGS 1.1.1 Standard = 0.050 mg/l	None
Eastern Portion of Site ^c	Inspect Vegetation	NA	--	None
Eastern Portion of Site ^c	Mow Grass	NA	--	Fall mowing
Cap Surface ^c	Inspect Vegetation	NA	--	None
Cap Surface ^c	Mow Grass	NA	--	Fall mowing

Site Monitoring, Inspection and Maintenance Form.

Inspector: Byron Peterson

Date: 6/29/2005

Item	Action	Value	Notes	Corrective Action Suggested
Northern Wetland ^d	Inspect Vegetation	NA	--	None
Swales ^e	Inspect for Erosion	NA	--	Fall weed-whacking
Fence ^e	Inspect for Damage	NA	--	None
Signs on SC Fence ^e	Inspect for Damage	NA	--	None
Signs on GM Fence ^e	Inspect for Damage	NA	--	None
Access Road ^e	Inspect for Wear and Erosion	NA	--	None
Drop Chute ^e	Inspect for Blockage	NA	--	None
Energy Dissipation Structures ^e	Inspect for Damage	NA	--	None
Sitewide ^e	Inspect for Major Erosion Problems	NA	--	None
Sitewide ^e	Inspect for Significant Differential Settlement	NA	--	None

MW = Ground-Water Monitoring Well.

GV = Permanent Landfill Gas Vent

LEL = Lower Explosive Limit

SW = Surface Water

SC = Syracuse China

GM = General Motors Corporation

NA = Not Analyzed.

Notes and Assumptions

^a Ground-Water Sampling

1. Ground-water sampling to be performed quarterly for years 1 and 2.
2. Ground-water sampling to be performed semi-annually for years 3 through 5.
3. Ground-water sampling to be performed annually for years 6 through 30.
4. NYSDEC will grant reduction of ground-water sampling, Part 360 requires quarterly sampling for minimum of 5 years.

^b Surface-Water Sampling

1. Surface-water sampling to be performed quarterly for years 1 and 2.
2. Surface-water sampling to be performed semi-annually for year 3.
3. No Surface-water sampling will be performed after year 3.
4. NYSDEC will grant reduction of surface-water sampling, Part 360 requires quarterly sampling for minimum of 5 years.

^c Landfill Mowing and Repairs

1. Landfill mowing to be performed semi-annually for years 1 through 30.

^d Wetlands Monitoring Activities

1. Wetlands vegetation inspection is for erosion only and is not part of the USACE-required activities.

^e Annual Landfill Inspection and Reporting

1. One inspection to be performed annually for years 1 through 30.

Landfill Gas Monitoring Form.

Inspector: Byron Peterson

Date: 6/29/2005

Item	Action	Location	Value	Notes	Corrective Action Suggested
GV-1	Monitor for Hydrogen Sulfide		0 ppm	--	None
GV-1	Monitor for LEL		1%	--	None
GV-2	Monitor for Hydrogen Sulfide		0 ppm	--	None
GV-2	Monitor for LEL		5%	--	None
GV-3	Monitor for Hydrogen Sulfide		0 ppm	--	None
GV-3	Monitor for LEL		1%	--	None
GV-4	Monitor for Hydrogen Sulfide		0 ppm	--	None
GV-4	Monitor for LEL		0%	--	None
GV-5	Monitor for Hydrogen Sulfide		0 ppm	--	None
GV-5	Monitor for LEL		0%	--	None
GV-6	Monitor for Hydrogen Sulfide		0 ppm	--	None
GV-6	Monitor for LEL		0%	--	None
GV-7	Monitor for Hydrogen Sulfide		0 ppm	--	None
GV-7	Monitor for LEL		0%	--	None
TG-1	Monitor for Hydrogen Sulfide		0 ppm	--	None
TG-1	Monitor for LEL		0%	--	None
TG-2	Monitor for Hydrogen Sulfide		0 ppm	--	None
TG-2	Monitor for LEL		0%	--	None
TG-3	Monitor for Hydrogen Sulfide		0 ppm	--	None
TG-3	Monitor for LEL		0%	--	None
TG-4	Monitor for Hydrogen Sulfide		0 ppm	--	None
TG-4	Monitor for LEL		0%	--	None
TG-5	Monitor for Hydrogen Sulfide		0 ppm	--	None

Landfill Gas Monitoring Form.

Inspector: Byron Peterson

Date: 6/29/2005

Item	Action	Location	Value	Notes	Corrective Action Suggested
TG-5	Monitor for LEL		0%	--	None
TG-6	Monitor for Hydrogen Sulfide		0 ppm	--	None
TG-6	Monitor for LEL		0%	--	None

Notes and Assumptions

GV = Landfill Gas Vent.

TG = Temporary Gas Monitoring Point (Points are placed at 400-foot intervals around the perimeter of the constructed cap).

NA = Not Analyzed.

LEL = Lower Explosive Limit.

Landfill gas sampling to be performed quarterly year 1.

Landfill gas sampling to be performed annually years 2 through 5.

No landfill gas sampling will be performed after year 5.

Site Monitoring, Inspection and Maintenance Form.

Inspector: Monica LaSelva/ Byron Peterson

Date: 9/16/2005 9/28/2005

Item	Action	Value	Notes	Corrective Action Suggested
MW-1 ^a	Ground-Water Sample for Lead (mg/l)	0.018	TOGS 1.1.1 Standard = 0.025 mg/l	None
MW-1 ^a	Ground-Water Elevation (ft MSL)	391.78	--	None
MW-2 ^a	Ground-Water Sample for Lead (mg/l)	<0.005	TOGS 1.1.1 Standard = 0.025 mg/l	None
MW-2 ^a	Ground-Water Elevation (ft MSL)	386.84	--	None
MW-5 ^a	Ground-Water Sample for Lead (mg/l)	<0.005	TOGS 1.1.1 Standard = 0.025 mg/l	None
MW-5 ^a	Ground-Water Elevation (ft MSL)	378.9	--	None
MW-6 ^a	Ground-Water Sample for Lead (mg/l)	0.006	TOGS 1.1.1 Standard = 0.025 mg/l	None
MW-6 ^a	Ground-Water Elevation (ft MSL)	405.7	--	None
MW-8 ^a	Ground-Water Sample for Lead (mg/l)	0.052	TOGS 1.1.1 Standard = 0.025 mg/l	None
MW-8 ^a	Ground-Water Elevation (ft MSL)	378.87	--	None
MW-10 ^a	Ground-Water Sample for Lead (mg/l)	<0.005	TOGS 1.1.1 Standard = 0.025 mg/l	None
MW-10 ^a	Ground-Water Elevation (ft MSL)	378.55	--	None
GV-1	Inspect for Damage	--	Good condition	None
GV-2	Inspect for Damage	--	Good condition	None
GV-3	Inspect for Damage	--	Good condition	None
GV-4	Inspect for Damage	--	Outlet broken	Repair
GV-5	Inspect for Damage	--	Good condition	None
GV-6	Inspect for Damage	--	Good condition	None
GV-7	Inspect for Damage	--	Screen breached	Repair
SW-1 ^b	SW Sample for Lead at Swales (mg/l)	<0.005	TOGS 1.1.1 Standard = 0.050 mg/l	None
SW-2 ^b	SW Sample for Lead at Northern Discharge (mg/l)	<0.005	TOGS 1.1.1 Standard = 0.050 mg/l	None
SW-2 ^b	SW Sample for Lead at Northern Discharge (mg/l)	0.622	TOGS 1.1.1 Standard = 0.050 mg/l	None
Eastern Portion of Site ^c	Inspect Vegetation	--	Good condition	None
Eastern Portion of Site ^c	Mow Grass	--	2-4 feet high	Fall mowing
Cap Surface ^c	Inspect Vegetation	--	Good condition	None

Site Monitoring, Inspection and Maintenance Form.

Inspector: Monica LaSelva/ Byron Peterson

Date: 9/16/2005 9/28/2005

Item	Action	Value	Notes	Corrective Action Suggested
Cap Surface ^c	Mow Grass	--	2-3 feet high	Fall mowing
Northern Wetland ^d	Inspect Vegetation	--	Good condition	None
Swales ^c	Inspect for Erosion	--	Some vegetation	Fall weed-whacking
Fence ^c	Inspect for Damage	--	Good condition	None
Signs on SC Fence ^c	Inspect for Damage	--	Good condition	None
Signs in Factory Avenue Row	Inspect for Damage	--	Good condition	None
Access Road ^c	Inspect for Wear and Erosion	--	Good condition	None
Drop Chute ^c	Inspect for Blockage	--	Good condition	None
Energy Dissipation Structures ^c	Inspect for Damage	--	Good condition; some vegetation	None
Sitewide ^c	Inspect for Major Erosion Problems	--	Good condition	None
Sitewide ^c	Inspect for Significant Differential Settlement	--	No settlement observed	None

MW = Ground-Water Monitoring Well

GV = Permanent Landfill Gas Vent

LEL = Lower Explosive Limit

SW = Surface Water

SC = Syracuse China

GM = General Motors Corporation

NA = Not Analyzed.

Notes and Assumptions

^a Ground-Water Sampling

1. Ground-water sampling to be performed quarterly for years 1 and 2.
2. Ground-water sampling to be performed semi-annually for years 3 through 5.
3. Ground-water sampling to be performed annually for years 6 through 30.
4. NYSDEC will grant reduction of ground-water sampling, Part 360 requires quarterly sampling for minimum of 5 years.

^b Surface-Water Sampling

1. Surface-water sampling to be performed quarterly for years 1 and 2.
2. Surface-water sampling to be performed semi-annually for year 3.
3. No Surface-water sampling will be performed after year 3.
4. NYSDEC will grant reduction of surface-water sampling, Part 360 requires quarterly sampling for minimum of 5 years.

^c Landfill Mowing and Repairs

1. Landfill mowing to be performed semi-annually for years 1 through 30.

^d Wetlands Monitoring Activities

1. Wetlands vegetation inspection is for erosion only and is not part of the USACE-required activities.

^e Annual Landfill Inspection and Reporting

1. One inspection to be performed annually for years 1 through 30.

APPENDIX B

PHOTOGRAPHS



Photo 1: Northwest portion of the site as seen from the landfill cap.



Photo 2: Northeast portion of the site as seen from the landfill cap.



Photo 3: Southern side of the landfill cap. Photo looks east.

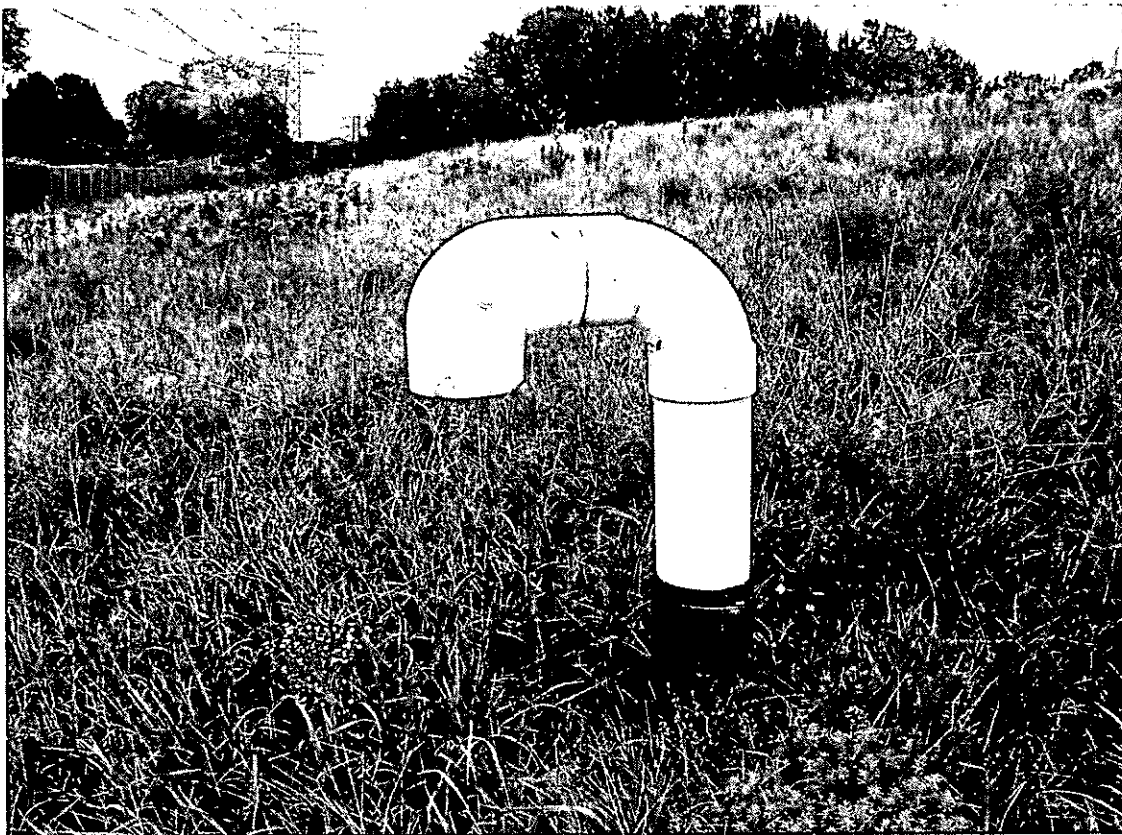


Photo 4: Typical landfill gas vent.



Photo 5: Drainage swale located on the northern portion of the landfill.
Photo looks southeast.



Photo 6: Landfill drainage outlet structure. Photo looks north.



Photo 7: Drop chute on the northern portion of the landfill cap. Photo looks south.



Photo 8: Northern portion of the fence along Factory Avenue. Photo looks east.



Photo 9: Access road and southern portion of the fence. Photo looks east.



Photo 10: Access road and eastern portion of the fence. Photo looks south.

APPENDIX C
ANALYTICAL REPORTS

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209

Mailing: Box 289 * Syracuse, NY 13206

Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 649-2533

Rochester (585) 436-9070 * New Jersey (201) 343-5353 * South Carolina (864) 878-3280

Ms. Meredith Harris
Roux Associates, Inc.
1222 Forest Parkway
Suite 190
West Deptford, NJ 08066

Thursday, December 30, 2004

RE: Syracuse China Landfill

Order No.: U0412306

Dear Ms. Meredith Harris:

Upstate Laboratories, Inc. received 8 sample(s) on 12/15/2004 for the analyses presented in the following report.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.


Anthony J. Scala
President/CEO

Upstate Laboratories, Inc.

Date: 30-Dec-04

CLIENT: Roux Associates, Inc.
Project: Syracuse China Landfill

Lab Order: U0412306

Lab ID: U0412306-001

Collection Date: 12/15/04 12:35:00 PM

Client Sample ID: MW-1

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Conductivity	523	1.0		umhos/cm		12/15/04 12:35:00 PM
Eh	-10			mV		12/15/04 12:35:00 PM
pH	7.05	6.5-8.5		SU		12/15/04 12:35:00 PM
Temperature	7.7			degC		12/15/04 12:35:00 PM
Turbidity	1.14	5.0		NTU		12/15/04 12:35:00 PM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	12/22/04

Lab ID: U0412306-002

Collection Date: 12/15/04 11:15:00 AM

Client Sample ID: MW-2

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Conductivity	992	1.0		umhos/cm		12/15/04 11:15:00 AM
Eh	-20			mV		12/15/04 11:15:00 AM
pH	7.18	6.5-8.5		SU		12/15/04 11:15:00 AM
Temperature	9.5			degC		12/15/04 11:15:00 AM
Turbidity	3.66	5.0		NTU		12/15/04 11:15:00 AM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	0.002	0.001		mg/L	1	12/22/04

Lab ID: U0412306-003

Collection Date: 12/15/04 11:50:00 AM

Client Sample ID: MW-5

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Conductivity	1218	1.0		umhos/cm		12/15/04 11:50:00 AM
Eh	-15			mV		12/15/04 11:50:00 AM
pH	7.11	6.5-8.5		SU		12/15/04 11:50:00 AM
Temperature	6.8			degC		12/15/04 11:50:00 AM
Turbidity	5.63	5.0		NTU		12/15/04 11:50:00 AM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	0.003	0.001		mg/L	1	12/22/04

Approved By: PFF

Date: 12-30-04

Page 1 of 3

Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 30-Dec-04

CLIENT: Roux Associates, Inc.
Project: Syracuse China Landfill

Lab Order: U0412306

Lab ID: U0412306-004

Collection Date: 12/15/04 10:35:00 AM

Client Sample ID: MW-6

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Conductivity	1016	1.0		umhos/cm		12/15/04 10:35:00 AM
Eh	-15			mV		12/15/04 10:35:00 AM
pH	7.11	6.5-8.5		SU		12/15/04 10:35:00 AM
Temperature	10.4			degC		12/15/04 10:35:00 AM
Turbidity	28.6	5.0		NTU		12/15/04 10:35:00 AM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		
Lead*	0.001	0.001		mg/L	1	12/22/04

Lab ID: U0412306-005

Collection Date: 12/15/04 2:00:00 PM

Client Sample ID: MW-8

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Conductivity	2310	1.0		umhos/cm		12/15/04 2:00:00 PM
Eh	-35			mV		12/15/04 2:00:00 PM
pH	7.46	6.5-8.5		SU		12/15/04 2:00:00 PM
Temperature	6.2			degC		12/15/04 2:00:00 PM
Turbidity	1.69	5.0		NTU		12/15/04 2:00:00 PM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		
Lead*	0.005	0.001	27	mg/L	1	12/22/04

Lab ID: U0412306-006

Collection Date: 12/15/04 1:15:00 PM

Client Sample ID: MW-10

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Conductivity	2310	1.0		umhos/cm		12/15/04 1:15:00 PM
Eh	-10			mV		12/15/04 1:15:00 PM
pH	7.06	6.5-8.5		SU		12/15/04 1:15:00 PM
Temperature	7.6			degC		12/15/04 1:15:00 PM
Turbidity	12.6	5.0		NTU		12/15/04 1:15:00 PM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		
Lead*	ND	0.001	28	mg/L	1	12/22/04

Approved By: PFF

Date: 12-30-04

Page 2 of 3

Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 30-Dec-04

CLIENT: Roux Associates, Inc.
Project: Syracuse China Landfill

Lab Order: U0412306

Lab ID: U0412306-007

Collection Date: 12/15/04 1:00:00 PM

Client Sample ID: SW-1

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Conductivity	1731	1.0		umhos/cm		12/15/04 1:00:00 PM
Eh	-30			mV		12/15/04 1:00:00 PM
pH	7.34	6.5-8.5		SU		12/15/04 1:00:00 PM
Temperature	2.5			degC		12/15/04 1:00:00 PM
Turbidity	83.6	5.0		NTU		12/15/04 1:00:00 PM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	0.041	0.005		mg/L	5	12/22/04

Lab ID: U0412306-008

Collection Date: 12/15/04 1:05:00 PM

Client Sample ID: SW-2

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Conductivity	791	1.0		umhos/cm		12/15/04 1:05:00 PM
Eh	-65			mV		12/15/04 1:05:00 PM
pH	7.95	6.5-8.5		SU		12/15/04 1:05:00 PM
Temperature	1.8			degC		12/15/04 1:05:00 PM
Turbidity	2.12	5.0		NTU		12/15/04 1:05:00 PM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	0.001	0.001		mg/L	1	12/22/04

Approved By: PFF

Date: 12-30-04

Page 3 of 3

Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

KEY PAGE

- 1 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS
- 2 REFERENCE SAMPLE/CCV RECOVERY WAS OUTSIDE OF CONTROL LIMITS
- 3 METHOD BLANK RESULT WAS ABOVE THE CONTROL LIMITS
- 4 ANALYSIS NOT PERFORMED BECAUSE OF INSUFFICIENT SAMPLE
- 5 THE PRESENCE OF OTHER TARGET ANALYTE(S) PRECLUDES LOWER DETECTION LIMITS
- 6 BLANK CORRECTED
- 7 HEAD SPACE PRESENT IN SAMPLE
- 8 QUANTITATION LIMIT IS GREATER THAN THE CALCULATED REGULATORY LEVEL. THE QUANTITATION LIMIT THEREFORE BECOMES THE REGULATORY LEVEL.
- 9 THE OIL WAS TREATED AS A SOLID AND LEACHED WITH EXTRACTION FLUID
- 10 RESULTS ARE REPORTED ON AN AS REC.D BASIS
- 11 POSSIBLE CONTAMINATION FROM FIELD/LABORATORY
- 12 SAMPLE ANALYZED OVER HOLDING TIME
- 13 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL DUE TO CONTAMINATION FROM THE FILTERING PROCEDURE
- 14 SAMPLED BY ULI
- 15 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL; HOWEVER, THE VALUES ARE WITHIN EXPERIMENTAL ERROR
- 16 AN INHIBITORY FACTOR WAS OBSERVED IN THIS ANALYSIS
- 17 PARAMETER NOT ANALYZED WITHIN 15 MINUTES OF SAMPLING
- 18 THE SERIAL DILUTION OF THIS SAMPLE SUGGESTS A POSSIBLE PHYSICAL AND/OR CHEMICAL INTERFERENT IN THIS DETERMINATION. THE DATA MAY BE BIASED EITHER HIGH OR LOW.
- 19 CALCULATION BASED ON DRY WEIGHT
- 20 INDICATES AN ESTIMATED VALUE, DETECTED BUT BELOW THE PRACTICAL QUANTITATION LIMITS
- 21 UG/KG AS REC.D / UG/KG DRY WT
- 22 MG/KG AS REC.D / MG/KG DRY WT
- 23 INSUFFICIENT SAMPLE PRECLUDES LOWER DETECTION LIMITS
- 24 SAMPLE DILUTED/BLANK CORRECTED
- 25 ND(NON-DETECTED)
- 26 DUPLICATE SAMPLE OUTSIDE QC CRITERIA
- 27 SPIKE RECOVERY ABNORMALLY HIGH/LOW DUE TO MATRIX INTERFERENCE
- 28 POST-DIGESTION SPIKE FOR FURNACE AA ANALYSIS IS OUTSIDE OF THE CONTROL LIMITS (85-115%); HOWEVER, THE SAMPLE CONCENTRATION IS BELOW THE PQL
- 29 ANALYZED BY METHOD OF STANDARD ADDITIONS
- 30
- 31 FIELD MEASURED PARAMETER TAKEN BY CLIENT
- 32 TARGET ANALYTE IS BIODEGRADED AND/OR ENVIRONMENTALLY WEATHERED
- 33 MILLIGRAMS PER LITER (MG/L) LINEAR ALKYL SULFONATE (LAS) / POUNDS (LBS) PER DAY LAS
- 34 THE SAMPLE WAS ANALYZED ON A TOTAL BASIS; THE TEST RESULT CAN BE COMPARED TO THE TCLP REGULATORY CRITERIA BY DIVIDING THE TEST RESULT BY 20, CREATING A THEORETICAL TCLP VALUE
- 35 THE HYDROCARBONS DETECTED IN THE SAMPLE DID NOT CROSS-MATCH WITH COMMON PETROLEUM DISTILLATES
- 36 MATRIX INTERFERENCE CAUSING SPIKES TO RESULT IN LESS THAN 50.0% RECOVERY
- 37 MILLIGRAMS PER LITER (MG/L) / POUNDS (LBS) PER DAY
- 38 MILLIGRAMS PER LITER (MG/L) OF RESIDUAL CHLORINE (CL2) / POUNDS (LBS) PER DAY OF CL2
- 39 MICROGRAMS PER LITER (UG/L) / POUNDS (LBS) PER DAY
- (B) DETECTED IN BLANK
- (D) ALL COMPOUNDS IDENTIFIED IN AN ANALYSIS AT A SECONDARY DILUTION FACTOR
- (E) COMPOUNDS WHOSE CONCENTRATIONS EXCEED THE CALIBRATION RANGE OF THE GC/MS INSTRUMENT FOR THAT SPECIFIC ANALYSIS
- (J) DETECTED BELOW THE CRQL
- (a) SAMPLE(S) RECEIVED AT THE IMPROPER TEMPERATURE
- (b) HEADSPACE IN VOA VIAL(S)
- (c) HEADSPACE IN ALKALINITY BOTTLE(S)
- (d) SAMPLE CONTAINER(S) RECEIVED BROKEN

Upstate Laboratories, Inc. Groundwater Field Log

File: TS-30-01

Revised: 12/2001

Client: Roux Associates, Inc.

Project: Syracuse China Landfill

Well ID.: MW-1

ULI ID No. (enter by lab)

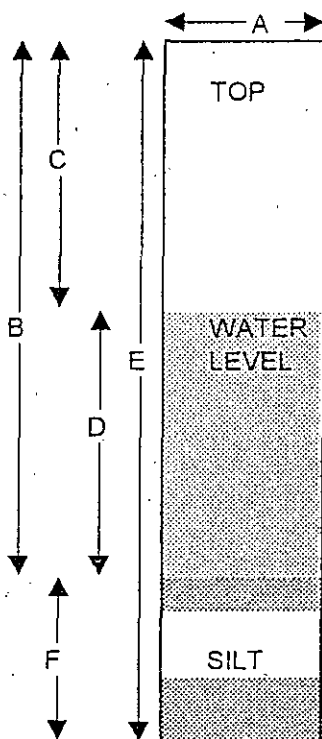
Condition of Well: GOOD

Locked: NO

Method of Evacuation: DEDICATED BAILER

Lock ID: N/A

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>24.5</u>	feet
C.	Depth to Water	<u>14.31</u>	feet
D.	Length of Water Column (calculated)	<u>10.19</u>	feet
	Conversion Factor	<u>X.16</u>	-----
	Well Volume (calculated)	<u>1.6304</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>4.8912</u>	gallons
	Actual Volume Evacuated	<u>5</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/a</u>	feet

Field Measurements

Initial Evacuation

Final Sampling

Date	<u>12/15/2004</u>
Time	<u>12:00 PM</u>
EH	<u>-5</u>
Temperature	<u>4.6 c</u>
pH	<u>6.89</u>
Specific Cond.	<u>547</u>
Turbidity	<u>2.96</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	<u>clear</u>

Date	<u>12/15/2004</u>
Time	<u>12:35 PM</u>
EH	<u>-10</u>
Temperature	<u>7.7 c</u>
pH	<u>7.05</u>
Specific Cond.	<u>523</u>
Turbidity	<u>1.14</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	<u>clear</u>

% Recharge:

Initial Depth to Water	<u>14.31</u>	feet
Recharge Depth to Water	<u>n/a</u>	feet
2nd water column height	<u>n/a</u>	%
1st water column height		

Elevation (Top of Casing)	<u></u>	feet
G.W. Elevation =	<u></u>	feet
G.W. Elevation = Top of Case Elev - Total Depth		

Weather: 25 f cloudy

Observations:

Sampler:

Paul Baltzersen / Nathan Talucci

Signature:

Paul Baltzersen

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 12/2001

Client: Roux Associates, Inc.

Project: Syracuse China Landfill

ULI ID No. (enter by lab)

Well ID.: MW-2

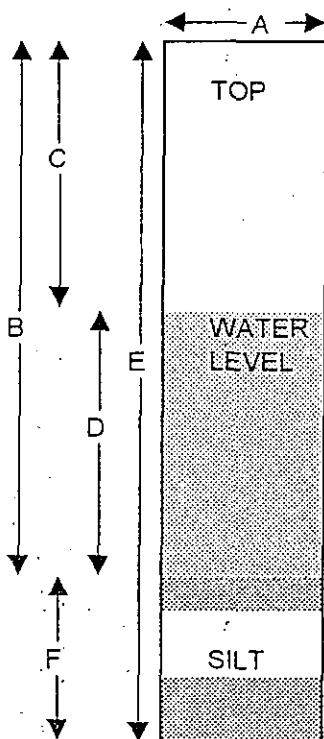
Condition of Well: GOOD

Locked: NO

Method of Evacuation: DEDICATED BAILER

Lock ID: N/A

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	13.1	feet
C.	Depth to Water	4.41	feet
D.	Length of Water Column (calculated)	8.69	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.3904	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	4.1712	gallons
	Actual Volume Evacuated	4.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated)	N/a	feet

Field Measurements

Initial Evacuation

Final Sampling

Date	12/15/2004	12/15/2004
Time	10:45 AM	11:15 AM
EH	-10	-20
Temperature	8.9 c	9.5 c
pH	7.09	7.18
Specific Cond.	1024	992
Turbidity	6.84	3.66
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

Weather: 25 f cloudy

Observations:

% Recharge:

Initial Depth to Water	4.41	feet
Recharge Depth to Water	n/a	feet
2nd water column height	n/a	%
1st water column height		

Elevation (Top of Casing)		feet
G.W. Elevation =		feet
G.W. Elevation = Top of Case Elev - Total Depth		

Sampler:

Paul Baltzersen / Nathan Talucci

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 12/2001

Client: Roux Associates, Inc.

Project: Syracuse China Landfill

Well ID.: MW-5

ULI ID No. (enter by lab)

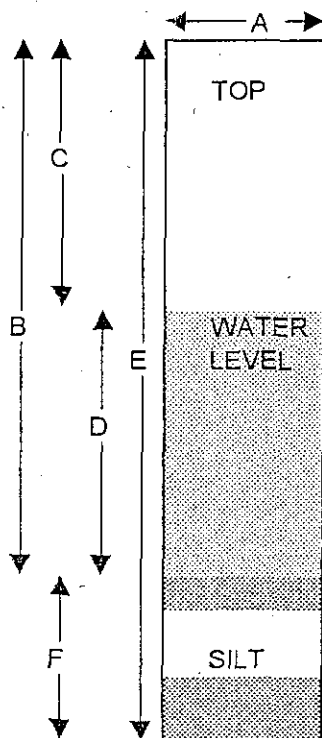
Condition of Well: GOOD

Locked: NO

Method of Evacuation: DEDICATED BAILER

Lock ID: N/A

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>13.4</u>	feet
C.	Depth to Water	<u>2.62</u>	feet
D.	Length of Water Column (calculated)	<u>10.78</u>	feet
	Conversion Factor	<u>X.16</u>	-----
	Well Volume (calculated)	<u>1.7248</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>5.1744</u>	gallons
	Actual Volume Evacuated	<u>5.5</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/a</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>12/15/2004</u>	<u>12/15/2004</u>
Time	<u>11:20 AM</u>	<u>11:50 AM</u>
EH	<u>-18</u>	<u>-15</u>
Temperature	<u>6.0 c</u>	<u>6.8 c</u>
pH	<u>7.21</u>	<u>7.11</u>
Specific Cond.	<u>1375</u>	<u>1218</u>
Turbidity	<u>227</u>	<u>5.63</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>thick orange</u>	<u>clear</u>

% Recharge:

Initial Depth to Water 2.62 feet

Recharge Depth to Water n/a feet

2nd water column height n/a %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W. Elevation = Top of Case Elev-Total Depth

Weather: 25 f cloudy

Observations:

Sampler:

Paul Baltzersen / Nathan Talucci

Signature:

Paul Baltzersen

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 12/2001

Client: Roux Associates, Inc.

Project: Syracuse China Landfill

Well ID.: MW-6

ULI ID No. (enter by lab)

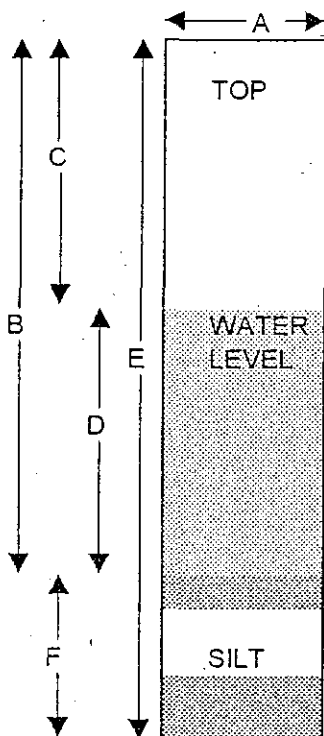
Condition of Well: GOOD

Locked: NO

Method of Evacuation: DEDICATED BAILER

Lock ID: N/A

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	15.36	feet
C.	Depth to Water	3.76	feet
D.	Length of Water Column (calculated)	11.6	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.856	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	5.568	gallons
	Actual Volume Evacuated	6	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated)	N/a	feet

Field Measurements

Initial Evacuation

Final Sampling

Date	12/15/2004
Time	9:50 AM
EH	-20
Temperature	9.1 c
pH	7.21
Specific Cond.	849
Turbidity	60.6
Dissolved Oxygen	N/A
Appearance	cloudy

Date	12/15/2004
Time	10:35 AM
EH	-15
Temperature	10.4 c
pH	7.11
Specific Cond.	1016
Turbidity	28.6
Dissolved Oxygen	N/A
Appearance	slightly cloudy

% Recharge:

Initial Depth to Water	3.76	feet
Recharge Depth to Water	n/a	feet

2nd water column height	n/a	%
1st water column height		

Elevation(Top of Casing)		feet
G.W. Elevation=		feet
G.W.Elevation =Top of Case Elev-Total Depth		

Weather: 25 f cloudy

Observations:

Sampler:

Paul Baltzersen / Nathan Talucci

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 12/2001

Client: Roux Associates, Inc.

Project: Syracuse China Landfill

Well ID.: MW-8

ULI ID No. (enter by lab)

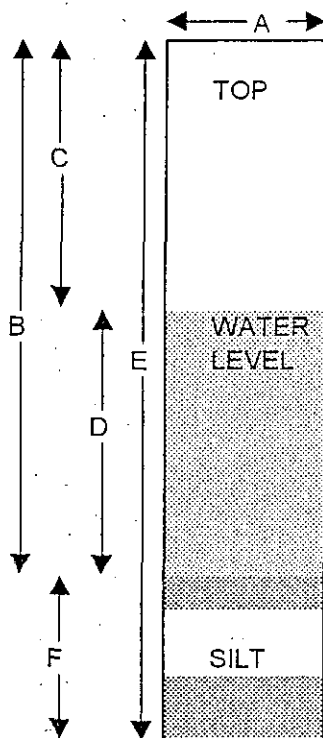
Condition of Well: GOOD

Locked: NO

Method of Evacuation: DEDICATED BAILER

Lock ID: N/A

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	20.73	feet
C.	Depth to Water	4.74	feet
D.	Length of Water Column (calculated)	15.99	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	2.5584	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	7.6752	gallons
	Actual Volume Evacuated	8	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated)	N/a	feet

Field Measurements

Initial Evacuation

Final Sampling

Date	12/15/2004	12/15/2004
Time	1:25 PM	2:00 PM
EH	-25	-35
Temperature	4.1 c	6.2 c
pH	7.25	7.46
Specific Cond.	2540	2310
Turbidity	2.26	1.69
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

Weather: 25 f cloudy

Observations:

% Recharge:

Initial Depth to Water 4.74 feet

Recharge Depth to Water n/a feet

2nd water column height n/a %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W.Elevation =Top of Case Elev-Total Depth

Sampler:

Paul Baltzersen / Nathan Talucci

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 12/2001

Client: Roux Associates, Inc.

Project: Syracuse China Landfill

ULI ID No. (enter by lab)

Well ID.: MW-10

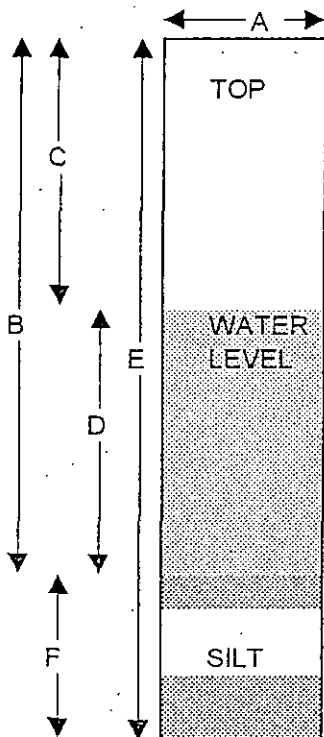
Condition of Well: GOOD

Locked: NO

Method of Evacuation: DEDICATED BAILER

Lock ID: N/A

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	13	feet
C.	Depth to Water	2.72	feet
D.	Length of Water Column (calculated)	10.28	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.6448	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	4.9344	gallons
	Actual Volume Evacuated	5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated)	N/a	feet

Field Measurements

Initial Evacuation

Final Sampling

Date	12/15/2004
Time	12:45 PM
EH	-3
Temperature	7.1 c
pH	6.86
Specific Cond.	2330
Turbidity	17.9
Dissolved Oxygen	N/A
Appearance	slightly cloudy

Date	12/15/2004
Time	1:15 PM
EH	-10
Temperature	7.6 c
pH	7.06
Specific Cond.	2310
Turbidity	12.6
Dissolved Oxygen	N/A
Appearance	slightly cloudy

% Recharge:

Initial Depth to Water 2.72 feet

Recharge Depth to Water n/a feet

2nd water column height n/a %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W. Elevation =Top of Case Elev-Total Depth

Weather: 25 f cloudy

Observations:

Sampler:

Paul Baltzersen / Nathan Talucci

Signature:

Upstate Laboratories, Inc.

Tap Water / Surface Water / Wastewater Field Log

Client: Roux Associates, Inc.

Sampler (print):

Paul Baltzersen

Project: Syracuse China Landfill

Signature:

Date: 12/15/2004

Location Surface Water 1
EH -30 MV
TEMPERATURE 2.5 C
PH 7.34 STD. UNITS
SPEC. CON. 1731 UMHOS/CM
TURB 83.6 NTU

TIME SAMPLED 1:00 PM JULI ID. NO.
WEATHER CONDITION: 25 f cloudy
APPEARANCE / OBSERVATIONS cloudy
DO n/a MG/L
STAFF GUAGE N/a

Location Surface Water 2
EH -65 MV
TEMPERATURE 1.8 C
PH 7.95 STD. UNITS
SPEC. CON. 791 UMHOS/CM
TURB 2.12 NTU

TIME SAMPLED 1:05 PM JULI ID. NO.
WEATHER CONDITION: 25 f cloudy
APPEARANCE / OBSERVATIONS clear
DO n/a MG/L
STAFF GUAGE n/a

Location
EH MV
TEMPERATURE C
PH STD. UNITS
SPEC. CON. UMHOS/CM
TURB NTU

TIME SAMPLED JULI ID. NO.
WEATHER CONDITION:
APPEARANCE / OBSERVATIONS
DO MG/L
STAFF GUAGE

Location
EH MV
TEMPERATURE C
PH STD. UNITS
SPEC. CON. UMHOS/CM
TURB NTU

TIME SAMPLED JULI ID. NO.
WEATHER CONDITION:
APPEARANCE / OBSERVATIONS
DO MG/L
STAFF GUAGE

Location
EH MV
TEMPERATURE C
PH STD. UNITS
SPEC. CON. UMHOS/CM
TURB NTU

TIME SAMPLED JULI ID. NO.
WEATHER CONDITION:
APPEARANCE / OBSERVATIONS
DO MG/L
STAFF GUAGE

Location
EH MV
TEMPERATURE C
PH STD. UNITS
SPEC. CON. UMHOS/CM
TURB NTU

TIME SAMPLED JULI ID. NO.
WEATHER CONDITION:
APPEARANCE / OBSERVATIONS
DO MG/L
STAFF GUAGE

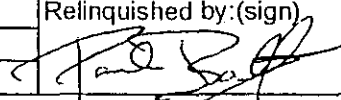
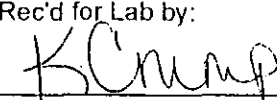
Upstate Laboratories, Inc.

Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057

Phone (315) 437 0255

Fax (315) 437 1209

Client:		Project #/ Project Name					Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
ROUX ASSOCIATES, INC		SYRACUSE CHINA LANDFILL																
Client Contact:		Location (city/state) Address																
MEREDITH HARRIS		Phone #		SYRACUSE, NY														
Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only													
MW-1	12-15-04	12:35P	H2O	GRAB	-001	1	X	X										
MW-2	12-15-04	11:15A	H2O	GRAB	-002	1	X	X										
MW-5	12-15-04	11:50A	H2O	GRAB	-003	1	X	X										
MW-6	12-15-04	10:35A	H2O	GRAB	-004	1	X	X										
MW-8	12-15-04	2:00P	H2O	GRAB	-005	1	X	X										
MW-10	12-15-04	1:15P	H2O	GRAB	-006	1	X	X										
SW-1	12-15-04	1:00P	H2O	GRAB	-007	1	X	X										
SW-2	12-15-04	1:05P	H2O	GRAB	-008	1	X	X										
Parameter and Method		Sample bottle:	Type	Size	Preservative	Sampled by (Print)			Name of Courier									
1	FIELD PH, EH, SPEC. CON, TURB, TEMP		n/a	n/a	none	PAUL BALTZERSEN												
2	Pb by low level		plastic	500ml	HNO3	Company: Upstate Laboratories, Inc.												
3						Relinquished by: (sign)			Date	Time	Received by: (sign)							
4																		
5																		
6						Relinquished by: (sign)			Date	Time	Received by: (sign)							
7																		
8																		
9						Relinquished by: (sign)			Date	Time	Rec'd for Lab by:							
10									12/15/04	2:30 pm								
Syracuse Rochester Buffalo Albany Binghamton Fairport																		

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209

Mailing: Box 289 * Syracuse, NY 13206

Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 649-2533

Rochester (585) 436-9070 * New Jersey (201) 343-5353 * South Carolina (864) 878-3280

Ms. Meredith Harris
Roux Associates, Inc.
1222 Forest Parkway
Suite 190
West Deptford, NJ 08066

Tuesday, March 08, 2005

RE: Syracuse China Landfill

Order No.: U0503043

Dear Ms. Meredith Harris:

Upstate Laboratories, Inc. received 6 sample(s) on 3/2/2005 for the analyses presented in the following report.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.



Anthony J. Scala
President/CEO

Upstate Laboratories, Inc.

Date: 08-Mar-05

CLIENT: Roux Associates, Inc.
Lab Order: U0503043
Project: Syracuse China Landfill
Lab ID: U0503043-001

Client Sample ID: MW-1
Collection Date: 3/2/05 11:55:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Conductivity	792	1.0		umhos/cm		3/2/05 11:55:00 AM
Eh	-28			mV		3/2/05 11:55:00 AM
pH	7.45	6.5-8.5		SU		3/2/05 11:55:00 AM
Temperature	5.4			degC		3/2/05 11:55:00 AM
Turbidity	1.13	5.0		NTU		3/2/05 11:55:00 AM
TOTAL LEAD BY GFAA		E239.2		Analyst: AB		
Lead*	ND	0.001		mg/L	1	3/7/05 1:09:35 PM

Approved By: PFF

Date: 3-8-05

Page 1 of 6

Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 08-Mar-05

CLIENT: Roux Associates, Inc.
Lab Order: U0503043
Project: Syracuse China Landfill
Lab ID: U0503043-002

Client Sample ID: MW-2
Collection Date: 3/2/05 11:20:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Conductivity	1126	1.0		umhos/cm		3/2/05 11:20:00 AM
Eh	-14			mV		3/2/05 11:20:00 AM
pH	7.10	6.5-8.5		SU		3/2/05 11:20:00 AM
Temperature	6.6			degC		3/2/05 11:20:00 AM
Turbidity	3.86	5.0		NTU		3/2/05 11:20:00 AM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	3/7/05 1:13:03 PM

Approved By: PFF

Date: 3-8-05

Page 2 of 6

Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 08-Mar-05

CLIENT: Roux Associates, Inc.
Lab Order: U0503043
Project: Syracuse China Landfill
Lab ID: U0503043-003

Client Sample ID: MW-6
Collection Date: 3/2/05 10:35:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Conductivity	785	1.0		umhos/cm		3/2/05 10:35:00 AM
Eh	-45			mV		3/2/05 10:35:00 AM
pH	7.76	6.5-8.5		SU		3/2/05 10:35:00 AM
Temperature	7.2			degC		3/2/05 10:35:00 AM
Turbidity	5.46	5.0		NTU		3/2/05 10:35:00 AM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	3/7/05 1:16:33 PM

Approved By: PFF

Date: 3-8-05

Page 3 of 6

Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 08-Mar-05

CLIENT: Roux Associates, Inc.

Client Sample ID: MW-8

Lab Order: U0503043

Collection Date: 3/2/05 1:30:00 PM

Project: Syracuse China Landfill

Lab ID: U0503043-004

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	2960	1.0		umhos/cm		3/2/05 1:30:00 PM
Eh	-20			mV		3/2/05 1:30:00 PM
pH	7.18	6.5-8.5		SU		3/2/05 1:30:00 PM
Temperature	6.8			degC		3/2/05 1:30:00 PM
Turbidity	5.22	5.0		NTU		3/2/05 1:30:00 PM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	3/7/05 1:20:04 PM

Approved By: PFF

Date: 3-8-05

Page 4 of 6

Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 08-Mar-05

CLIENT: Roux Associates, Inc.
Lab Order: U0503043
Project: Syracuse China Landfill
Lab ID: U0503043-005

Client Sample ID: MW-10
Collection Date: 3/2/05 12:40:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Conductivity	2680	1.0		umhos/cm		3/2/05 12:40:00 PM
Eh	-9			mV		3/2/05 12:40:00 PM
pH	7.02	6.5-8.5		SU		3/2/05 12:40:00 PM
Temperature	6.0			degC		3/2/05 12:40:00 PM
Turbidity	3.01	5.0		NTU		3/2/05 12:40:00 PM
TOTAL LEAD BY GFAA		E239.2		(SW3020A) Analyst: AB		
Lead*	ND	0.001		mg/L	1	3/7/05 1:23:44 PM

Approved By: PFF

Date: 3-8-05

Page 5 of 6

Qualifiers: * Low Level

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value

E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 08-Mar-05

CLIENT: Roux Associates, Inc.
Lab Order: U0503043
Project: Syracuse China Landfill
Lab ID: U0503043-006

Client Sample ID: SW-1
Collection Date: 3/2/05 12:10:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Conductivity	1188	1.0		umhos/cm		3/2/05 12:10:00 PM
Eh	-35			mV		3/2/05 12:10:00 PM
pH	7.52	6.5-8.5		SU		3/2/05 12:10:00 PM
Temperature	5.2			degC		3/2/05 12:10:00 PM
Turbidity	1.23	5.0		NTU		3/2/05 12:10:00 PM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	3/7/05 1:27:15 PM

Approved By: PFF

Date: 3-8-05

Page 6 of 6

Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 12/2001

Client: Roux Associates, Inc.

Project: Syracuse China Landfill

ULI ID No. (enter by lab)

Well ID.: MW-1

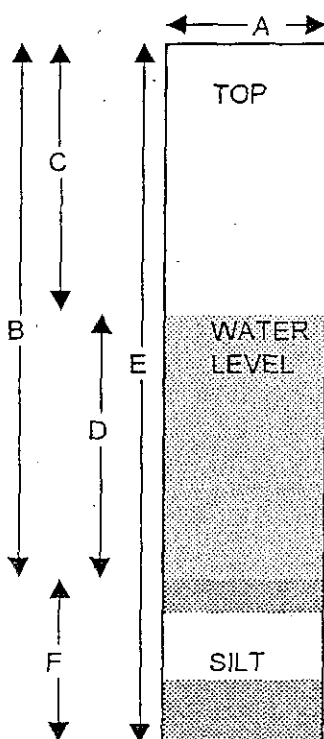
Condition of Well: GOOD

Locked: NO

Method of Evacuation: PERISTOLTIC PUMP

Lock ID: N/A

Method of Sampling: PERISTOLTIC PUMP



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	24.5	feet
C.	Depth to Water	16.23	feet
D.	Length of Water Column (calculated)	8.27	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.3232	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	3.9696	gallons
	Actual Volume Evacuated	4	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated)	N/a	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/2/2005	3/2/2005
Time	11:35 AM	11:55 AM
EH	-38	-28
Temperature	6.9 c	5.4 c
pH	7.66	7.45
Specific Cond.	838	792
Turbidity	2.63	1.13
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water 16.23 feet

Recharge Depth to Water n/a feet

2nd water column height n/a %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W. Elevation = Top of Case Elev - Total Depth

Weather: 30 f snow

Observations:

Sampler:

Paul Baltzersen / Nate Talucci

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 12/2001

Client: Roux Associates, Inc.

Project: Syracuse China Landfill

ULI ID No. (enter by lab)

Well ID.: MW-2

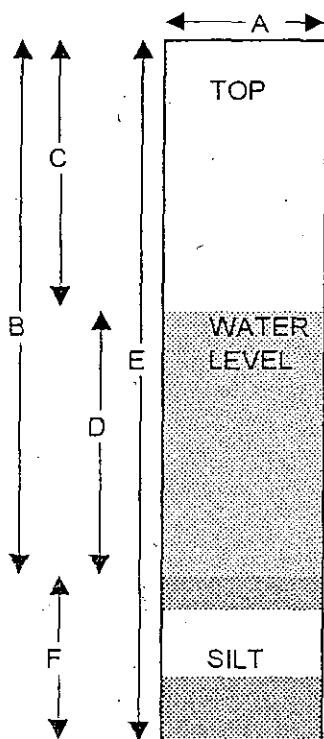
Condition of Well: GOOD

Locked: NO

Method of Evacuation: PERISTOLTIC PUMP

Lock ID: N/A

Method of Sampling: PERISTOLTIC PUMP



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	13.1	feet
C.	Depth to Water	4.47	feet
D.	Length of Water Column (calculated)	8.63	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.3808	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	4.1424	gallons
	Actual Volume Evacuated	4.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated)	N/a	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/2/2005	3/2/2005
Time	10:55 AM	11:20 AM
EH	-16	-14
Temperature	6.9 c	6.6 c
pH	7.17	7.10
Specific Cond.	1072	1126
Turbidity	2.87	3.86
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water 4.47 feet

Recharge Depth to Water n/a feet

2nd water column height n/a %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W.Elevation = Top of Case Elev - Total Depth

Weather: 30 f snow

Observations:

Sampler:

Paul Baltzersen / Nate Talucci

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 12/2001

Client: Roux Associates, Inc.

Project: Syracuse China Landfill

Well ID.: MW-5

ULI ID No. (enter by lab)

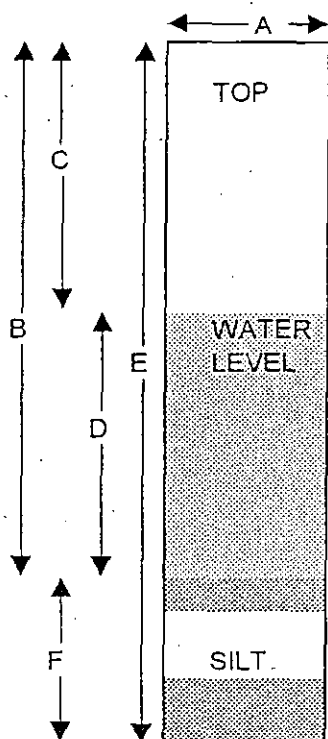
Condition of Well: GOOD

Locked: NO

Method of Evacuation: PERISTOLTIC PUMP

Lock ID: N/A

Method of Sampling: PERISTOLTIC PUMP



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	13.4	feet
C.	Depth to Water	well frozen	feet
D.	Length of Water Column (calculated)	n/a	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	n/a	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	n/a	gallons
	Actual Volume Evacuated	n/a	gallons
E.	Installed Well Depth (if known)	n/a	feet
F.	Depth of Silt (calculated)	n/a	feet

Field Measurements

Initial Evacuation

Final Sampling

Date	3/2/2005	n/a
Time	12:05 PM	n/a
EH	n/a	n/a
Temperature	n/a	n/a
pH	n/a	n/a
Specific Cond.	n/a	n/a
Turbidity	n/a	n/a
Dissolved Oxygen	n/a	n/a
Appearance	n/a	n/a

Weather: 30 f snow

Observations: no sample - well frozen

% Recharge:

Initial Depth to Water	n/a	feet
Recharge Depth to Water	n/a	feet

2nd water column height	n/a	%
1st water column height		

Elevation (Top of Casing)		feet
G.W. Elevation =		feet
G.W. Elevation = Top of Case Elev - Total Depth		

Sampler: Paul Baltzersen / Nate Talucci

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 12/2001

Client: Roux Associates, Inc.

Project: Syracuse China Landfill

ULI ID No. (enter by lab)

Well ID.: MW-6

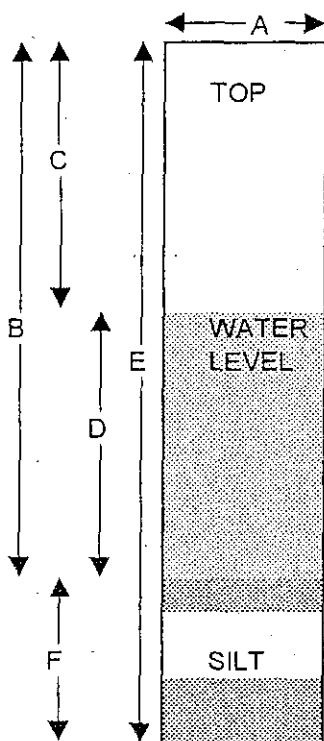
Condition of Well: GOOD

Locked: NO

Method of Evacuation: PERISTOLTIC PUMP

Lock ID: N/A

Method of Sampling: PERISTOLTIC PUMP



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	15.36	feet
C.	Depth to Water	4.61	feet
D.	Length of Water Column (calculated)	10.75	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.72	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	5.16	gallons
	Actual Volume Evacuated	5.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated)	N/a	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/2/2005	3/2/2005
Time	10:15 AM	10:35 AM
EH	-55	-45
Temperature	8.4 c	7.2 c
pH	8.01	7.76
Specific Cond.	980	785
Turbidity	15.2	5.46
Dissolved Oxygen	N/A	N/A
Appearance	slightly cloudy	clear

% Recharge:

Initial Depth to Water 4.61 feet

Recharge Depth to Water n/a feet

2nd water column height n/a %

1st water column height

Elevation (Top of Casing) feet

G.W. Elevation= feet

G.W. Elevation = Top of Case Elev - Total Depth

Weather: 30 f snow

Observations:

Sampler:

Paul Baltzersen / Nate Talucci

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 12/2001

Client: Roux Associates, Inc.

Project: Syracuse China Landfill

Well ID.: MW-8

ULI ID No. (enter by lab)

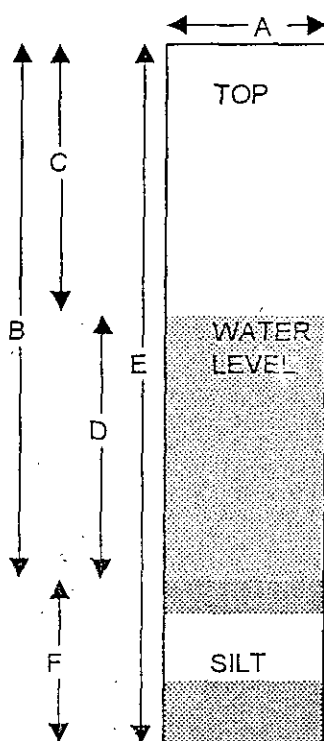
Condition of Well: GOOD

Locked: NO

Method of Evacuation: PERISTOLTIC PUMP

Lock ID: N/A

Method of Sampling: PERISTOLTIC PUMP



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	20.73	feet
C.	Depth to Water	3.93	feet
D.	Length of Water Column (calculated)	16.8	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	2.688	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	8.064	gallons
	Actual Volume Evacuated	8.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated)	N/a	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/2/2005	3/2/2005
Time	12:50 PM	1:30 PM
EH	-11	-20
Temperature	7.0 c	6.8 c
pH	7.03	7.18
Specific Cond.	2930	2960
Turbidity	15.6	5.22
Dissolved Oxygen	N/A	N/A
Appearance	slightlt cloudy	clear

% Recharge:

Initial Depth to Water	3.93	feet
Recharge Depth to Water	n/a	feet

2nd water column height	n/a	%
1st water column height		

Elevation(Top of Casing)		feet
G.W. Elevation=		feet
G.W.Elevation = Top of Case Elev - Total Depth		

Weather: 30 f snow

Observations:

Sampler:

Paul Baltzersen / Nate Talucci

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 12/2001

Client: Roux Associates, Inc.

Project: Syracuse China Landfill

Well ID.: MW-10

ULI ID No. (enter by lab)

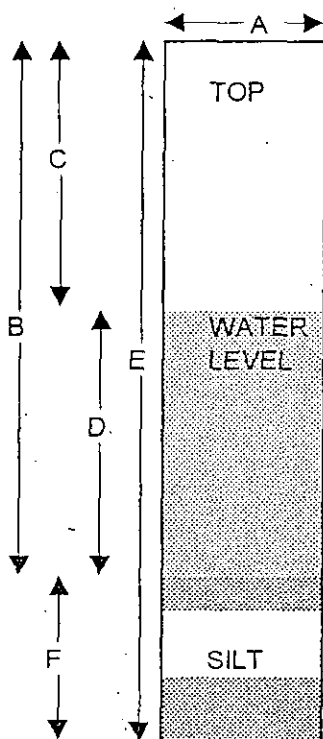
Condition of Well: GOOD

Locked: NO

Method of Evacuation: PERISTOLTIC PUMP

Lock ID: N/A

Method of Sampling: PERISTOLTIC PUMP



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	13	feet
C.	Depth to Water	2.61	feet
D.	Length of Water Column (calculated)	10.39	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.6624	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	4.9872	gallons
	Actual Volume Evacuated	5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated)	N/a	feet

Field Measurements

Initial Evacuation

Final Sampling

Date	3/2/2005	3/2/2005
Time	12:15 PM	12:40 PM
EH	-24	-9
Temperature	6.2 c	6.0 c
pH	7.14	7.02
Specific Cond.	2520	2680
Turbidity	4.27	3.01
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water	2.61	feet
Recharge Depth to Water	n/a	feet
2nd water column height	n/a	%
1st water column height		

Elevation (Top of Casing)		feet
G.W. Elevation =		feet
G.W. Elevation = Top of Case Elev - Total Depth		

Weather: 30 f snow

Observations:

Sampler:
Paul Baltzersen / Nate Talucci

Signature:

Upstate Laboratories, Inc.

Tap Water / Surface Water / Wastewater Field Log

Client: Roux Associates, Inc.

Sampler (print):

Paul Baltzersen

Project: Syracuse China Landfill

Signature:

Date: 3/2/2005

Location Surface Water 1

TIME SAMPLED 12:10 PM ULI ID NO.

EH -35 MV

WEATHER CONDITION: 30 f snow

TEMPERATURE 5.2 c

PH 7.52 STD. UNITS

APPEARANCE / OBSERVATIONS clear

SPEC. CON. 1188 UMHOS/CM

DO n/a MG/L

TURB 1.23 NTU

STAFF GUAGE N/a

Location Surface Water 2

TIME SAMPLED 1:35 PM ULI ID NO.

EH n/a MV

WEATHER CONDITION: 30 f snow

TEMPERATURE n/a c

no sample - wetland frozen and covered with 3 ft of snow

PH n/a STD. UNITS

APPEARANCE / OBSERVATIONS n/a

SPEC. CON. n/a UMHOS/CM

DO n/a MG/L

TURB n/a NTU

STAFF GUAGE n/a

Location

TIME SAMPLED ULI ID NO.

EH MV

WEATHER CONDITION:

TEMPERATURE c

PH STD. UNITS

APPEARANCE / OBSERVATIONS

SPEC. CON. UMHOS/CM

DO MG/L

TURB NTU

STAFF GUAGE

Location

TIME SAMPLED ULI ID NO.

EH MV

WEATHER CONDITION:

TEMPERATURE c

PH STD. UNITS

APPEARANCE / OBSERVATIONS

SPEC. CON. UMHOS/CM

DO MG/L

TURB NTU

STAFF GUAGE

Location

TIME SAMPLED ULI ID NO.

EH MV

WEATHER CONDITION:

TEMPERATURE c

PH STD. UNITS

APPEARANCE / OBSERVATIONS

SPEC. CON. UMHOS/CM

DO MG/L

TURB NTU

STAFF GUAGE

Location

TIME SAMPLED ULI ID NO.

EH MV

WEATHER CONDITION:

TEMPERATURE c

PH STD. UNITS

APPEARANCE / OBSERVATIONS

SPEC. CON. UMHOS/CM

DO MG/L

TURB NTU

STAFF GUAGE



PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Roux Associates Inc

Lab Project No.: 05 - 2220

Client Job Site: Syracuse China

Sample Type: Water

Method: EPA 200.7

Client Job No.: N/A

Date(s) Sampled: 06/29/2005

Date Received: 06/30/2005

Date Analyzed: 07/01/2005

Laboratory Report for Metals Analysis in Water

Lab Sample No.	Field ID No.	Field Location	Lead Results (mg/L)
8729	N/A	Well #1	0.009
8730	N/A	Well #2	<0.005
8731	N/A	Well #5	<0.005
8732	N/A	Well #6	<0.005
8733	N/A	Well #8	0.020
8734	N/A	Well #10	<0.005
8735	N/A	SW #1	<0.005
8736	N/A	SW #2	0.005

ELAP ID No.: 10709

Comments:

Approved By: _____

Bruce Hoggsteger, Technical Director

Data Table for Monitoring Wells, Gas Vents, Temporary Vents Syacuse China Landfill

Data Table for Monitoring Wells

	Well #1	Well #2	Well #5	Well #6	Well #8	Well #10	
Date:	6/29/05	6/29/05	6/29/05	6/29/05	6/29/05	6/29/05	
Time:	8:00am	8:30am	9:15am	9:45am	10:15am	11:00am	
Depth to Bottom:	25'	14'	13'	16.5'	22'	16'	
Depth to Water:	20'	8'	5'	8'	6'	3'	
Volume Purged:	3 gal	4 gal	5 gal	5.5 gal	10 gal	8 gal	

Data Table for Gas Vents

	GV #1	GV #2	GV #3	GV #4	GV #5	GV #6	GV #7
Date:	5/29/05	5/29/05	5/29/05	5/29/05	5/29/05	5/29/05	5/29/05
Time:	11:15am	11:20am	11:30am	11:40am	11:50am	12:00pm	12:10pm
LEL Read:	1ppm	5ppm	1ppm	0ppm	0ppm	0ppm	0ppm
H2S Read:	0ppm	0ppm	0ppm	0ppm	0ppm	0ppm	0ppm

Data Table for Temporary Gas Vents

	TG #1	TG #2	TG #3	TG #4	TG #5	TG #6	
Date:	5/29/05	5/29/05	5/29/05	5/29/05	5/29/05	5/29/05	
Time:	12:20pm	12:30pm	12:40pm	12:55pm	1:10pm	1:20pm	
LEL Read:	0ppm	0ppm	0ppm	0ppm	0ppm	0ppm	
H2S Read:	0ppm	0ppm	0ppm	0ppm	0ppm	0ppm	

HA ~~OF~~ ~~CTC~~

(585) 647-2530 • (800) 724-1997

Syracuse China

REPORT TO

INVOICE TO:

COMPANY: Roux Associates Inc		COMPANY:		LAB PROJECT #:		CLIENT PROJECT #:	
ADDRESS: 1222 Forest Parkway ,Suite 190		ADDRESS:		05-2220			
CITY: West Deptford STATE: NJ ZIP: 08066		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)			
PHONE: 856-423-8800 FAX: 856-423-3220		PHONE: FAX:					
ATTN: Meredith Harris		ATTN:		☐ 1 ☐ 2 ☐ 3 ☒ 4 ☐ 5		STD OTHER	
COMMENTS:							

REQUESTED ANALYSIS

[illegible]

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation:		CONTAINER TYPE: ☒	PRESERVATIONS: ☒	HOLDING TIME: ☒	TEMPERATURE: ☐
		plastic	2		7°C
Sampled By:	Date/Time:	Relinquished By:	Date/Time:	Total Cost:	
Byron K Peterson	6/29/05 0800				
Relinquished By:	Date/Time:	Received By:	Date/Time:		
Byrd	6/29/05 1500				
Received By:	Date/Time:	Received @ Lab By:	Date/Time:	P.I.F.	
		Mike Slomka	6/30/05 940		





PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: ROUX

Lab Project No.: 05-3323

Client Job Site: Well Sampling

Sample Type: Water

Method: EPA 200.7

Client Job No.: N/A

Date(s) Sampled: 09/28/2005

Date Received: 09/28/2005

Date Analyzed: 10/05/2005

Laboratory Report for Metals Analysis in Water

Lab Sample No.	Field ID No.	Field Location	Lead Results (mg/L)
11880	N/A	Well #1	0.018
11881	N/A	Well #2	<0.005
11882	N/A	Well #5	<0.005
11883	N/A	Well #6	0.006
11884	N/A	Well #8	0.052
11885	N/A	Well #10	<0.005
11886	N/A	SW #1	<0.005
11887	N/A	SW #2	0.622

ELAP ID No.: 10958

Comments: The sample duplicate was 51% difference for lab sample #11887.

Approved By: _____

Bruce Hoogesteger, Technical Director

CHAMBER OF HISTORY

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

PROJECT NAME/SITE NAME:

Well Sampling

REPORT TO:		INVOICE TO:	
COMPANY: ROVX	COMPANY: Sonic	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: 1222 FOREST PARKWAY SUITE 180	ADDRESS:	05-3323	
CITY: WREST DEPT FORD STATE: N.J. ZIP: 08066	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: 856-423-8800 FAX: 856-423-3220	PHONE: FAX:		
ATTN: Monica La Selva	ATTN:	☐ 1 ☐ 2 ☐ 3 ☒ 5 ☐ OTHER	
COMMENTS:			

REQUESTED ANALYSIS

[illegible]

★ LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter		NELAC Compliance			
Container Type:		Y	☒	N	☐
Comments:	PLASTIC				
Preservation:		Y	☒	N	☐
Comments:	Pres. @ LAB				
Holding Time:		Y	☒	N	☐
Comments:					
Temperature:		Y	☐	N	☒
Comments:	19°				

Byron k Peterson 9/28/05 0745-1200
Sampled By Date/Time
Byron k Peterson 9/28/05 1530
Relinquished By Date/Time
Received By Date/Time
Tony Blue 9/28/05 1530
Received @/Lab By Date/Time

Total Cost:

P.I.F.



Case Narrative Syracuse China Groundwater Monitoring

Sampling at the Syracuse China Landfill was performed on September 28, 2005. Upon arrival we met with the site contact in the main lobby of the Syracuse China Plant to obtain the key allowing access to the sampling area. The weather was warm and sunny, and site conditions were generally dry. Access by vehicle was limited by overgrown vegetation. Sampling commenced at about 7:45am.

- 1.) Well # 2 purged
- 2.) Wells # 10, 5, & 8 purged
- 3.) Well # 1 purged
- 4.) Wells # 10, 5, & 8 sampled
- 5.) Surface waters sampled
- 6.) Well # 1 sampled
- 7.) Well # 2 sampled
- 8.) Well # 6 purged
- 9.) Well # 6 sampled

All wells were purged of 2-3 volumes and allowed to regenerate for 1.0–1.5 hours prior to sampling. Field measurements for conductivity, pH, temperature, dissolved oxygen, and turbidity were performed on purged water using a Horiba model # U-22 monitor. Accumulated sediment was observed in several wells during the purging and sampling process. Most wells were in good shape except for well # 6, which is starting to shift. Very little water was available at surface location SW-1, and location SW-2 was completely overgrown with vegetation and difficult to reach.

Note: Due to the heavy loading of sediment in the original SW-2 sample, we returned to the site on October 19, 2005 to obtain a new sample. The replacement sample was visually free of sediment. At that time we were able to take field measurements at the surface water locations. These had been missed during the original sampling event.

Syracuse China Landfill Monitoring

Location ID	Date	Time	Conductivity (mS/cm)	Dissolved Oxygen (PPM)	pH	Temp (°C)	Turbidity (NTU's)	Depth to Water (ft)	Depth To Bottom (ft)
Well # 1	09/28/05	7:45	1.03	10.76	7.5	17.3	> 999	22	25
Well # 2	09/28/05	11:20	1.46	10.01	7.3	18.0	320	8	14
Well # 5	09/28/05	9:00	1.46	8.10	7.2	14.7	> 999	11.5	13
Well # 6	09/28/05	12:00	1.00	9.27	7.4	20.6	838	9	16.5
Well # 8	09/28/05	9:45	0.029	7.82	7.0	18.5	268	14	22
Well # 10	09/28/05	8:24	2.85	7.80	6.7	20.2	269	4	16
SW-1	10/19/05	9:40	0.692	9.10	7.0	11.3	25.2	NA	NA
SW-2	10/19/05	10:00	0.985	7.35	6.5	12.1	15.5	NA	NA

* Conductivity, pH, dissolved oxygen, temperature and turbidity readings performed using Horiba model # U-22 monitor, serial # 925102/9252003.

** Calibration certificate # 12931, 9/27/05, Ashtead Technology, for 9/28/05 readings.

** Calibration certificate # 13453, 10/18/05, Ashtead Technology, for 10/19/05 readings.



PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: ROUX

Lab Project No.: 05-3586

Client Job Site: Syracuse China Landfill

Lab Sample No.: 12539

Client Job No.: N/A

Sample Type: Water

Field Location: SW#2

Date Sampled: 10/19/2005

Field ID No.: N/A

Date Received: 10/19/2005

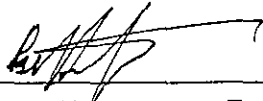
Laboratory Report for Metals Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Lead	10/21/2005	EPA 200.7	<0.005

ELAP ID No.: 10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

PROJECT NAME/SITE NAME:

Syracuse China Landfill

REPORT TO:		INVOICE TO:	
COMPANY: ROUX	COMPANY:	LAB PROJECT #: 05-3586	CLIENT PROJECT #:
ADDRESS: 1222 Forest Parkway, Suite 110	ADDRESS:		
CITY: WEST DEPT FORD STATE: N.J. ZIP: 08066	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: 856-423-8800 FAX: 856-423-3220	PHONE: FAX:	STD OTHER	
ATTN: Monica La Silva	ATTN:	1 2 3 5	
COMMENTS:		QUOTE #:	

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATRIX	CONCENTRATIONS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 10/19/05	1000		✓	SW #2	W	1 X		12539
2								
3								
4								
5								
6								
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type: PLASTIC	Y ☒ N ☐
Comments:	
Preservation:	Y ☒ N ☐
Comments:	
Holding Time:	Y ☒ N ☐
Comments:	
Temperature: 15	Y ☐ N ☐
Comments:	

Sampled By: [Signature]	Date/Time: 10/19/05 1000	Total Cost:
Relinquished By: [Signature]	Date/Time: 10/19/05 1214	
Received By: [Signature]	Date/Time: 10/19/05 1225	P.I.F.
Received @ Lab By:	Date/Time:	

END

OF

DOCUMENT