report. hw 734053. 2005-02-08.
Annual Rpt. Year 1. pdf

ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC

ROUX

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

February 8, 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 1)
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 Monitoring and Inspection Report to summarize the first four quarters 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. The referenced OM&M Plan is on file with the New York State Department of Environmental Conservation (NYSDEC). In addition, this report is in accordance with 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. A site plan is provided as Figure 1.

This report is divided into three sections:

- Summary of Monitoring and Inspection Activities;
- Recommended Maintenance and Corrective Actions; and
- Proposed Variations 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 first year following Remedial Action as specified in the OM&M Plan. Quarterly ground-water sampling, surface-water sampling and landfill gas monitoring were performed by Upstate Laboratories, Inc. (Upstate Laboratories) of East Syracuse, New York on November 24, 2003 (first quarter), March 23, 2004 (second quarter), June 29, 2004 (third quarter) and September 16, 2004 (fourth quarter). Annual wetland

monitoring was conducted on November 24, 2003 and July 28, 2004. An inspection of the landfill was completed on November 24, 2003. Wetland monitoring and the landfill inspection were performed by Roux Associates. Site Monitoring, Inspection and Maintenance Forms are included in Appendix A.

Landfill Inspection
Roux Associates conducted an inspection of the site on November 17, 2004. 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.

The existing wet area located at the northern base of the landfill was inspected for signs of erosion. Some minor ponding was observed in the area; however, 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 onsite gas vents (GV-1 through GV-7), located on the landfill, were also examined. All 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.

Installation of Signs Along Factory Avenue
Sixteen signs were installed within the right-of-way of Factory Avenue on November 17, 2004 by Absolute Sign & Awning (1630 Erie Boulevard East, Syracuse, New York). Each sign reads "RESTRICTED AREA FOR EXCAVATION. Contact the New York State Department of Environmental Conservation at (315) 426-7519 for information". Eight signs were secured to the Syracuse China fence along the south side of Factory Avenue approximately 100 feet apart. The remaining eight signs were installed on posts in the right-of-way on the north side of Factory Avenue opposite of the signs on the fence. The signs were installed approximately 10 feet from the edge of pavement and approximately 6 feet above ground surface. Photographs are included in Appendix B.

Ground-Water Monitoring
Ground-water sampling was performed on a quarterly basis by Upstate Laboratories, Inc. Sampling was conducted on November 24, 2003, March 23, 2004, June 29, 2004 and September

16, 2004. 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 OM&M activities for year one 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 March 23, 2004. Lead was detected at a concentration of 0.040 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. As discussed with NYSDEC, subsequent sampling events were performed 24 hours after purging to minimize sediment entrainment in the sample. 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, Inc. Sampling was conducted on November 24, 2003, March 23, 2004, June 29, 2004 and September 16, 2004. Two surface water samples were collected during each quarter. One sample was collected from the base of the landfill drainage swales 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 OM&M activities for year one indicate that lead concentrations in all surface-water samples were below the appropriate Ambient Water Quality Standard for lead in surface water of 0.050 mg/L. 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 a quarterly basis by Upstate Laboratories, Inc. Monitoring was performed on November 24, 2003, March 23, 2004, June 29, 2004 and September 16, 2004. 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 0.0 parts per million of hydrogen sulfide and 0% LEL for all permanent and temporary monitoring points. Table 3 includes a summary of landfill gas monitoring results.

Wetlands Monitoring
Roux Associates completed wetlands monitoring events on November 24, 2003 and July 28, 2004. Wetlands monitoring was conducted to evaluate the success of the wetland restoration and recovery effort, as required by the United States Army Corp of Engineers (USACOE) Nationwide Permit No. 38 dated November 1, 2002. Overall, 100 percent vegetation cover is present throughout the restored wetlands. In accordance with the Record of Decision (ROD), the wetland has been stabilized and allowed to continue colonization naturally. The first annual wetlands monitoring report was submitted to USACOE on January 29, 2004. The annual wetlands monitoring report required for year two will be submitted to USACOE in early 2005. Monitoring of the wetland mitigation and recovery effort will continue to be performed annually

for years three through five. In accordance with the Nationwide Permit issued for the site, the next wetland monitoring report will be prepared and submitted to the USACOE in year five.

Recommended Maintenance and Corrective Actions
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. The next series of mowing will occur in Fall 2005 and weed-whacking of woody type plants will be performed in spring, 2005.

Proposed Variations to OM&M Schedule
As previously discussed in the OM&M Plan, Pfaltzgraff is requesting that the landfill gas monitoring frequency be reduced to annually for years two through five. This request is based on the results of the year one landfill gas surveys (no detections) and the character of the landfill waste (largely inert materials with no potential to produce methane).

As previously discussed with NYSDEC, Pfaltzgraff is requesting that surface-water monitoring frequency be reduced to semiannually. This request is based on year one monitoring results (all below 0.050 mg/L lead).

Ground-water sampling will continue on a quarterly basis for year two. Based on the results from the first two years of monitoring, it is anticipated that Pfaltzgraff will request ground-water sampling frequency to be reduced to semi-annually in years three through five. Sampling after year five would be conducted on an annual basis, if deemed necessary. This request is based on year one monitoring results. Ground-water samples indicated lead below 0.025 mg/L with the exception of one sample (attributed to sediment entrainment).

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

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

Sincerely,
ROUX ASSOCIATES, INC.

Meredith Harris (MH)

Meredith Harris, P.E.
Senior Engineer

REMEDIAL ENGINEERING, P.C.

Charles McGuckin (MH)

Charles J. McGuckin, P.E.
Principal Engineer

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION

1. SITE NAME

Syracuse China

2. RECOMMENDATION **DATE**

Subsite ____ Not Subsite X Potential Subsite ____ February 10, 2005

3. LOCATION OF SITE (Site location map attached)

Town of Salina - Factory Avenue Syracuse, NY 13208

4. BRIEFLY DESCRIBE THE SITE (Site Map attached)

The Syracuse China site is located in an urban portion of Onondaga County in the Town of Salina, NY. This site is a 13-acre landfill that is on the north side of the Syracuse China Main Plant. It is located approximately 1000 feet from a school and a few private residences.

Wastewater treatment lagoons on site had areas of E.P.Toxic levels of lead contamination. These lagoons were used as settling ponds for part of Syracuse China's wastewater treatment process. In addition, E.P. Toxic levels of lead have been found in several areas outside of the lagoons. This site has been used as a landfill since 1940. It was used by the City of Syracuse, the Town of Salina, and the Town of Dewitt to dump wastes that were cleaned out of storm sewers. Although documentation does not exist, it is also known that the property was also used as a landfill by the public. A hazardous waste compliance inspection showed various assorted Class I and Class II violations. Surface water sampling revealed the presence of 1,1-dichloroethane and 1,1,1-trichloroethane, and also lead.

A Remedial Investigation/Feasibility Study (RI/FS) was completed on March 1995. The Record of Decision called for landfill closure, remediation of the settling ponds, excavation & placement in the landfill of lead-contaminated material, consolidation of fill materials, remediation of the wetlands, and the interception of upgradient groundwater. Landfill closure and wetland mitigation began in May 2000. After the wetland mitigation effort was redone, this landfill project was completed in 2003. In 2004, deed restrictions were implemented and a Final Engineering Report submitted. Currently, the landfill closure and wetland mitigation efforts are monitored and maintained.

Site Work Completed to Date: ( )Phase I ( )Phase II ( ) PSA (XRI/FS ( )PA/SI (X)Other: Remedial Action and Interim Remedial Measures

5. IS THERE A KNOWN RELEASE OF HAZARDOUS SUBSTANCES TO THE ENVIRONMENT? Yes X No ____ Potential ____

Is the release historic or ongoing? Historic. Soil removal actions have removed the majority of the contaminant source material. The RA data has shown that the extent of contaminated soils which remain on site is not a significant threat to human health and the environment since the institutional control (fence) is in place.

they all ? covered and X.

6. IS THE RELEASE INTO THE LAKE OR A TRIBUTARY? Yes ____ No X Potential ____

What is the location and nature of the release? Sampling from wastewater lagoons showed historic releases of lead. The lagoons were remediated, a landfill was properly closed, and the facility's SPDES-compliant effluent discharge has minimized the potential for discharge of contamination from the site.

7. IS THERE A POTENTIAL FOR RELEASE INTO THE LAKE OR A TRIBUTARY? Yes ____ No X Potential ____

What is the location and nature of the threat? The wastewater lagoons were remediated, a landfill was properly closed, and the facility's SPDES-compliant effluent discharge has minimized the potential for discharge of contamination from the site.

8. HAZARDOUS SUBSTANCES/WASTES ASSOCIATED WITH THE SITE

Lead 1,1-Dichloroethane 1,1,1-Trichloroethane

9. ANALYTICAL DATA AVAILABLE

( )Air (X)Groundwater ( )Surface Water ( )Sediment (X)Soil ()Outfall ( )Leachate

Groundwater
Lead 70 ppb

Soil (at 3 foot depth after soil removals)
Lead 500 ppb

(lead contaminated)

Did gw flow into wetland or into ley creek or both? Is there an ongoing gw ~~lead~~ discharge to the creek?

10. EXPLANATION OF RECOMMENDATION

Disposal of hazardous substances on site and historic release of hazardous substances to Ley Creek have been documented. However, a series of remedial action activities including source removal, reconstructing wastewater lagoons and the landfill closure system have virtually mitigated any ongoing or potential releases of hazardous substances to the Onondaga Lake system. Therefore, it is determined that the site is not a subsite of the Onondaga Lake NPL site.

11. RECOMMENDATIONS FOR FURTHER ACTION

Continue monitoring & maintenance X

No further action is recommended under the Onondaga Lake NPL Site program. ~~Complete RI/FS through the Remedial Action process~~ under New York State hazardous waste site program.

12. SITE OWNER'S NAME	13. ADDRESS	14. TELEPHONE NUMBER
Syracuse China Corporation	2900 Court Street Syracuse, NY 13208	(315) 455-4581 Phil Harvard

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

Sample Date: Sample ID	Ambient Water Quality Standard for Lead in Ground Water (mg/L)	Lead Concentration (mg/L)			
		11/24/03	3/23/04	6/29/04	9/16/04
MW-1	0.025	<0.003	0.005	0.005	<0.001
MW-2	0.025	<0.003	0.002	<0.001	<0.001
MW-5	0.025	<0.003	0.004	0.005	<0.001
MW-6	0.025	<0.003	0.002	0.006	<0.001
MW-8	0.025	<0.003	0.040	0.002	<0.001
MW-10	0.025	<0.003	<0.001	<0.001	<0.001

mg/L = Milligrams per liter.

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 Site; Town of Salina, New York.

Sample Date: Sample ID	Ambient Water Quality Standard for Lead in Surface Water (mg/L)	Concentration of Lead (mg/L)			
		11/24/03	3/23/04	6/29/04	9/16/04
SW-1	0.050	<0.003	<0.001	0.002	<0.001
SW-2	0.050	0.025	<0.001	<0.001	0.008

mg/L = Milligrams per liter.

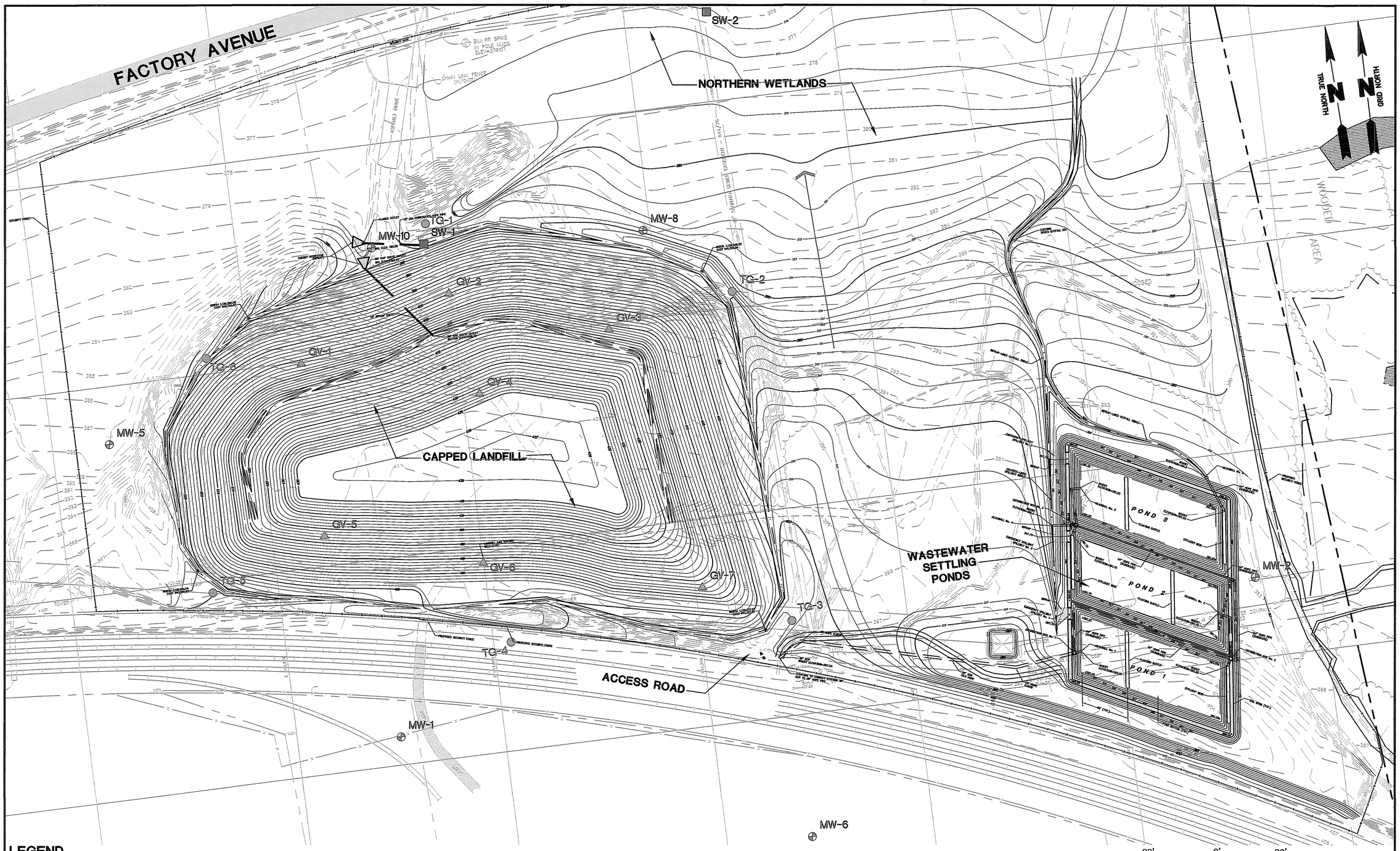
1. The Ambient Water Quality Standard was obtained from 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (New York State Department of Environmental Conservation, 1999).

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

Date	11/24/04		3/23/04		6/28/04		9/16/04	
Location	H_2S (ppm)	LEL (%)	H_2S (ppm)	LEL (%)	H_2S (ppm)	LEL (%)	H_2S (ppm)	LEL (%)
GV-1	0	0	0	0	0	0	0	0
GV-2	0	0	0	0	0	0	0	0
GV-3	0	0	0	0	0	0	0	0
GV-4	0	0	0	0	0	0	0	0
GV-5	0	0	0	0	0	0	0	0
GV-6	0	0	0	0	0	0	0	0
GV-7	0	0	0	0	0	0	0	0

H_2S = Hydrogen Sulfide.
LEL = Lower Explosive Limit.
ppm = parts per million.

FIGURES



LEGEND

- EXISTING PROPERTY LINE
- APPROXIMATE LANDFILL LIMIT
- EXISTING EASEMENT
- 434 — DESIGN 1 FOOT CONTOUR
- 435 — DESIGN 5 FOOT CONTOUR
- x438 — DESIGN SPOT ELEVATION
- 404 — PRE-EXISTING 1 FOOT CONTOUR
- 405 — PRE-EXISTING 5 FOOT CONTOUR
- EXISTING RAILROAD TRACKS
- OHW — EXISTING OVERHEAD ELECTRICAL TRANSMISSION WIRES
- SAN — EXISTING SUBSURFACE SANITARY SEWER WATERLINE
- W — EXISTING APPROXIMATE LOCATION 24" WATERLINE
- GAS — EXISTING GAS LINE LOCATION
- UGT — EXISTING UNDERGROUND TELEPHONE LINE (FIBER OPTIC) LOCATION
- DESIGN DOWN CHUTE
- FENCE
- RIM=397.41 — EXISTING MANHOLE RIM ELEVATION
- EXISTING UTILITY POLE WITH OVERHEAD WIRES
- UGT — EXISTING UNDERGROUND TELEPHONE CABLE MARKER
- GM — EXISTING GAS MARKER
- 15" PVC — EXISTING POLYVINYL CHLORIDE CHLORIDE PIPE WITH DIAMETER
- MON — EXISTING SURVEY MONUMENT SET 3-8-1990 CAPPED IRON ROD SET IN CONCRETE)
- SMH — EXISTING SANITARY SEWER MANHOLE
- INV.=38" — EXISTING PIPE INVERT ELEVATION
- 36" CMP — EXISTING CORRUGATED METAL PIPE WITH DIAMETER

- TG-3 — TEMPORARY PERIMETER GAS MONITORING POINT
- GV-7 — PERMANENT LANDFILL GAS VENT
- MW-8 — GROUND-WATER MONITORING WELL
- SW-2 — SURFACE WATER MONITORING POINT
- APPROXIMATE GROUND-WATER FLOW DIRECTION

NOTES

1.) BASE MAP INFORMATION BASED ON PLAN ENTITLED:, "MAP OF PARTIAL BOUNDARY & TOPOGRAPHIC SURVEY", PARCEL OF LAND, PART OF MILITARY LOT 19, TOWN OF SALINA, JANUARY 20, 1998, SCALE 1" = 50', PROJECT 90006, PREPARED BY RYAN SURVEY, PORTER BUILDING, NORTHERN LIGHTS OFFICE PARK, SYRACUSE, NY 13220-3225.

2.) BASIS OF BEARINGS: TRUE NORTH, BASED ON CONTROL ESTABLISHED BY N.Y.S.D.O.T.

3.) NORTH & EAST COORDINATES AND BEARINGS IN PARENTHESIS () ARE REFERENCED TO THE CENTRAL ZONE OF THE NEW YORK STATE COORDINATE SYSTEM AS ESTABLISHED BY DIFFERENTIAL GPS METHODS.

4.) ELEVATION DATUM IS MEAN SEA LEVEL, BASED ON CONTROL ESTABLISHED BY U.S.G.S. (NGVD 29).

5.) PLAN BASED ON DESIGN DRAWINGS, AS-BUILT DRAWINGS NOT AVAILABLE. ACTUAL SITE FEATURES AND ELEVATIONS WILL VARY.

6.) TEMPORARY PERIMETER GAS MONITORING POINT(TG-) LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD AS NECESSARY.

7.) SURFACE WATER MONITORING WELL LOCATIONS (SW-) ARE APPROXIMATE AND MAY 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: TS	Date: 12/9/04	FIGURE 1
	Prepared by: PJT	Scale: AS SHOWN	
	Project Mgr: MMH	Office: NJ	
	File No: 57701092	Project: 57701	

APPENDIX A

SITE MONITORING, INSPECTION AND MAINTENANCE FORMS

Site Monitoring, Inspection and Maintenance Form.

Inspector: Meredith Harris

Date: 11/24/2003

Item	Action	Value	Notes	Corrective Action Suggested
MW-1[a]	Ground-Water Sample for Lead (ug/l)	<3	TOGS 1.1.1 Standard = 25 ug/l	None
MW-1[a]	Ground-Water Elevation (ft MSL)	396.77	--	None
MW-2[a]	Ground-Water Sample for Lead (ug/l)	<3	TOGS 1.1.1 Standard = 25 ug/l	None
MW-2[a]	Ground-Water Elevation (ft MSL)	390.35	--	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)	387.46	--	None
MW-6[a]	Ground-Water Sample for Lead (ug/l)	<3	TOGS 1.1.1 Standard = 25 ug/l	None
MW-6[a]	Ground-Water Elevation (ft MSL)	410.92	--	None
MW-8[a]	Ground-Water Sample for Lead (ug/l)	<3	TOGS 1.1.1 Standard = 25 ug/l	None
MW-8[a]	Ground-Water Elevation (ft MSL)	387.03	--	None
MW-10[a]	Ground-Water Sample for Lead (ug/l)	<3	TOGS 1.1.1 Standard = 25 ug/l	None
MW-10[a]	Ground-Water Elevation (ft MSL)	379.84	--	None
GV-1	Inspect for Damage	--	Vent in good condition	None
GV-2	Inspect for Damage	--	Vent in good condition	None
GV-3	Inspect for Damage	--	Vent in good condition	None
GV-4	Inspect for Damage	--	Vent in good condition	None
GV-5	Inspect for Damage	--	Vent in good condition	None
GV-6	Inspect for Damage	--	Vent in good condition	None
GV-7	Inspect for Damage	--	Vent in good condition	None
SW-1[b]	SW Sample for Lead at Swales (ug/l)	<3	Below TOGS 1.1.1 Standard = 25 ug/l	None
SW-2[b]	SW Sample for Lead at Northern Discharge (ug/l)	25	TOGS 1.1.1 Standard = 25 ug/l	None
Eastern Portion of Site[c]	Inspect Vegetation	Good	No erosion	None
Eastern Portion of Site[c]	Mow Grass	Good	Mowed in fall	Spring mowing
Cap Surface[c]	Inspect Vegetation	Good	No erosion	None
Cap Surface[c]	Mow Grass	Good	Mowed in fall	Spring mowing
Northern Wetland[d]	Inspect Vegetation	Good	No erosion, good coverage	None
Swales[e]	Inspect for Erosion	Good	No erosion. Some woody vegetation observed in swales.	Weed-whacking in spring

Site Monitoring, Inspection and Maintenance Form.

Inspector: Meredith Harris

Date: 11/24/2003

Item	Action	Value	Notes	Corrective Action Suggested
Fence[e]	Inspect for Damage	Good	--	None
Signs on SC Fence[e]	Inspect for Damage	NA	Signs not installed yet	--
Signs on GM Fence[e]	Inspect for Damage	NA	Signs not installed yet	--
Access Road[e]	Inspect for Wear and Erosion	Good	No erosion	None
Drop Chute[e]	Inspect for Blockage	Good	Appears to be functioning as designed	None
Energy Dissipation Structures[e]	Inspect for Damage	Good	No clogging or washout	None
Sitewide[e]	Inspect for Major Erosion Problems	Good	No erosion	None
Sitewide[e]	Inspect for Significant Differential Settlement	Good	No Settlement noted	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 year 1.
2. No Surface-water sampling will be performed after year 1.
3. 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 inspection to be performed annually for years 1 through 5.
2. Wetlands monitoring report required in years 1, 2 and 5 per USACE permit.
3. One confirmatory wetlands delineation required in year 5.
4. Wetlands monitoring activities will be completed after year 5.
5. USACE accepts wetlands restoration after year 5, no further restoration required.

[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

Date: 11/24/2003

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

Landfill Gas Monitoring Form.

Inspector: Paul Baltzersen

Date: 11/24/2003

Item	Action	Location	Value	Notes	Corrective Action Suggested
TG-6	Monitor for Hydrogen Sulfide		0 ppm	--	None
TG-6	Monitor for LEL		0%	--	None
TG-7	Monitor for Hydrogen Sulfide		0 ppm	--	None
TG-7	Monitor for LEL		0%	--	None

Notes and Assumptions

GV = Landfill Gas Vent.
TG = Temprary Gas Monitoring Point (Points are placed at 400-foot intervals around the perimeter of the constructed cap).
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: Paul Baltzersen

Date: 3/23/2004

Item	Action	Value	Notes	Corrective Action Suggested
MW-1[a]	Ground-Water Sample for Lead (ug/l)	5	TOGS 1.1.1 Standard = 25 ug/l	Collect filtered sample
MW-1[a]	Ground-Water Elevation (ft MSL)	399.25	--	None
MW-2[a]	Ground-Water Sample for Lead (ug/l)	2	TOGS 1.1.1 Standard = 25 ug/l	Collect filtered sample
MW-2[a]	Ground-Water Elevation (ft MSL)	390.53	--	None
MW-5[a]	Ground-Water Sample for Lead (ug/l)	4	TOGS 1.1.1 Standard = 25 ug/l	Collect filtered sample
MW-5[a]	Ground-Water Elevation (ft MSL)	387.77	--	None
MW-6[a]	Ground-Water Sample for Lead (ug/l)	2	TOGS 1.1.1 Standard = 25 ug/l	Collect filtered sample
MW-6[a]	Ground-Water Elevation (ft MSL)	411.06	--	None
MW-8[a]	Ground-Water Sample for Lead (ug/l)	40	TOGS 1.1.1 Standard = 25 ug/l	Collect filtered sample
MW-8[a]	Ground-Water Elevation (ft MSL)	389.08	--	None
MW-10[a]	Ground-Water Sample for Lead (ug/l)	<1	TOGS 1.1.1 Standard = 25 ug/l	Collect filtered sample
MW-10[a]	Ground-Water Elevation (ft MSL)	379.97	--	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 = 25 ug/l	None
SW-2[b]	SW Sample for Lead at Northern Discharge (ug/l)	<1	TOGS 1.1.1 Standard = 25 ug/l	None
Eastern Portion of Site[c]	Inspect Vegetation	NA	--	None
Eastern Portion of Site[c]	Mow Grass	NA	--	Spring mowing
Cap Surface[c]	Inspect Vegetation	NA	--	None
Cap Surface[c]	Mow Grass	NA	--	Spring mowing
Northern Wetland[d]	Inspect Vegetation	NA	--	None
Swales[e]	Inspect for Erosion	NA	--	Weed-whacking in spring
Fence[e]	Inspect for Damage	NA	--	None

Site Monitoring, Inspection and Maintenance Form.

Inspector: Paul Baltzersen

Date: 3/23/2004

Item	Action	Value	Notes	Corrective Action Suggested
Signs on SC Fence[c]	Inspect for Damage	NA	--	To be installed
Signs on GM Fence[c]	Inspect for Damage	NA	--	To be installed
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

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 year 1.
2. No Surface-water sampling will be performed after year 1.
3. 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 inspection to be performed annually for years 1 through 5.
2. Wetlands monitoring report required in years 1, 2 and 5 per USACE permit.
3. One confirmatory wetlands delineation required in year 5.
4. Wetlands monitoring activities will be completed after year 5.
5. USACE accepts wetlands restoration after year 5, no further restoration required.

[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

Date: 3/23/2004

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

Landfill Gas Monitoring Form.

Inspector: Paul Baltzersen

Date: 3/23/2004

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

Notes and Assumptions

GV = Landfill Gas Vent.
TG = Temprary Gas Monitoring Point (Points are placed at 400-foot intervals around the perimeter of the constructed cap).
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: Paul Baltzersen

Date: 6/29/2004

Item	Action	Value	Notes	Corrective Action Suggested
MW-1[a]	Ground-Water Sample for Lead (ug/l)	5	TOGS 1.1.1 Standard = 25 ug/l	None
MW-1[a]	Ground-Water Elevation (ft MSL)	396.38	--	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)	388.56	--	None
MW-5[a]	Ground-Water Sample for Lead (ug/l)	5	TOGS 1.1.1 Standard = 25 ug/l	None
MW-5[a]	Ground-Water Elevation (ft MSL)	386.82	--	None
MW-6[a]	Ground-Water Sample for Lead (ug/l)	6	TOGS 1.1.1 Standard = 25 ug/l	None
MW-6[a]	Ground-Water Elevation (ft MSL)	408.47	--	None
MW-8[a]	Ground-Water Sample for Lead (ug/l)	2	TOGS 1.1.1 Standard = 25 ug/l	None
MW-8[a]	Ground-Water Elevation (ft MSL)	388.55	--	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)	2	TOGS 1.1.1 Standard = 25 ug/l	None
SW-2[b]	SW Sample for Lead at Northern Discharge (ug/l)	<1	TOGS 1.1.1 Standard = 25 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
Northern Wetland[d]	Inspect Vegetation	NA	--	None
Swales[e]	Inspect for Erosion	NA	--	Weed-whacking
Fence[e]	Inspect for Damage	NA	--	None

Site Monitoring, Inspection and Maintenance Form.

Inspector: Paul Baltzersen

Date: 6/29/2004

Item	Action	Value	Notes	Corrective Action Suggested
Signs on SC Fence[c]	Inspect for Damage	NA	--	To be installed
Signs on GM Fence[c]	Inspect for Damage	NA	--	To be installed
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

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 year 1.
2. No Surface-water sampling will be performed after year 1.
3. 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 inspection to be performed annually for years 1 through 5.
2. Wetlands monitoring report required in years 1, 2 and 5 per USACE permit.
3. One confirmatory wetlands delineation required in year 5.
4. Wetlands monitoring activities will be completed after year 5.
5. USACE accepts wetlands restoration after year 5, no further restoration required.

[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

Date: 6/29/2004

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

Landfill Gas Monitoring Form.

Inspector: Paul Baltzersen

Date: 6/29/2004

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

Notes and Assumptions

GV = Landfill Gas Vent.
TG = Temprary Gas Monitoring Point (Points are placed at 400-foot intervals around the perimeter of the constructed cap).
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: Paul Baltzersen

Date: 9/16/2004

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)	398.6	--	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)	388.87	--	None
MW-5[a]	Ground-Water Sample for Lead (ug/l)	<1	TOGS 1.1.1 Standard = 25 ug/l	None
MW-5[a]	Ground-Water Elevation (ft MSL)	387.39	--	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)	409.86	--	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)	388.4	--	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)	380.03	--	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	8	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	--	Spring mowing
Cap Surface[c]	Inspect Vegetation	NA	--	None
Cap Surface[c]	Mow Grass	NA	--	Spring mowing

Site Monitoring, Inspection and Maintenance Form.

Inspector: Paul Baltzersen

Date: 9/16/2004

Item	Action	Value	Notes	Corrective Action Suggested
Northern Wetland[d]	Inspect Vegetation	NA	--	None
Swales[e]	Inspect for Erosion	NA	--	Weed-whacking in spring
Fence[e]	Inspect for Damage	NA	--	None
Signs on SC Fence[e]	Inspect for Damage	NA	--	To be installed
Signs on GM Fence[e]	Inspect for Damage	NA	--	To be installed
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

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

[b] ***Surface-Water Sampling***

1. Surface-water sampling to be performed quarterly for year 1.
2. No Surface-water sampling will be performed after year 1.
3. 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 inspection to be performed annually for years 1 through 5.
2. Wetlands monitoring report required in years 1, 2 and 5 per USACE permit.
3. One confirmatory wetlands delineation required in year 5.
4. Wetlands monitoring activities will be completed after year 5.
5. USACE accepts wetlands restoration after year 5, no further restoration required.

[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
Date: 9/16/2004

Item	Action	Location	Value	Notes	Corrective Action Suggested
GV-1	Monitor for Hydrogen Sulfide		0 ppm	--	None
GV-1	Monitor for LEL		0%	--	None
GV-2	Monitor for Hydrogen Sulfide		0 ppm	--	None
GV-2	Monitor for LEL		0%	--	None
GV-3	Monitor for Hydrogen Sulfide		0 ppm	--	None
GV-3	Monitor for LEL		0%	--	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: Paul Baltzersen
Date: 9/16/2004

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).
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.

APPENDIX B

PHOTOGRAPHS

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

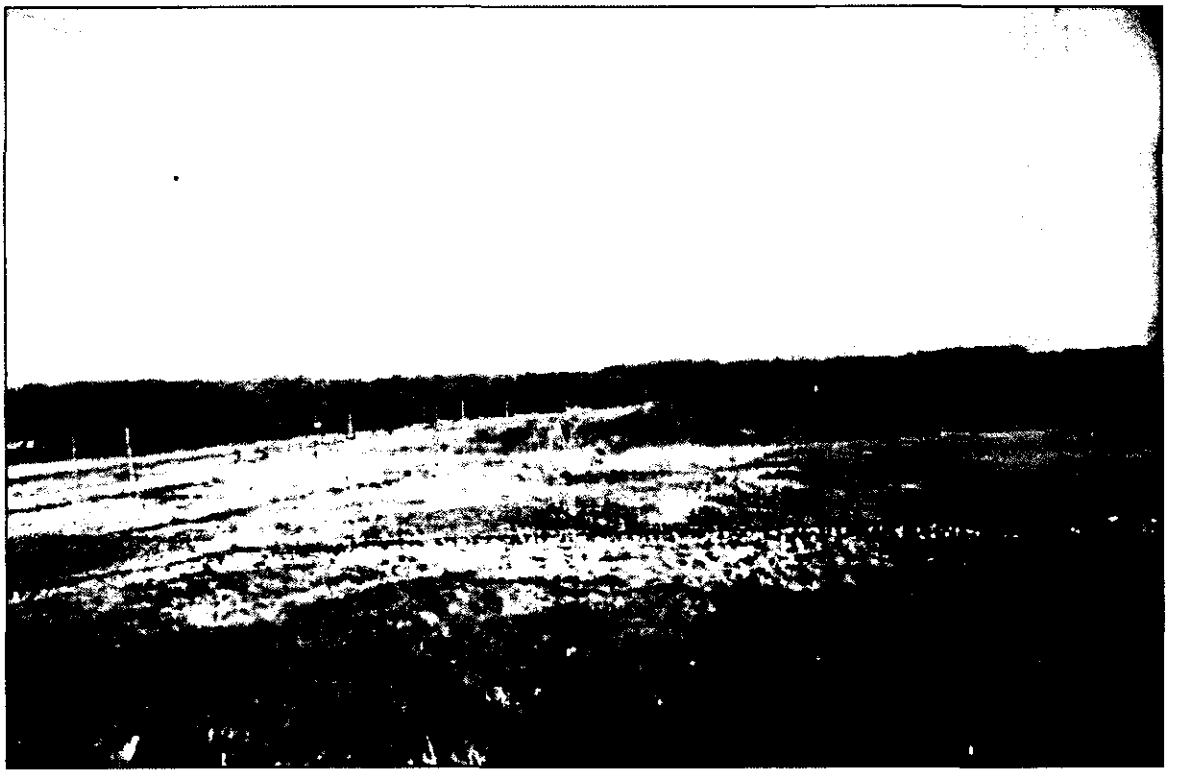


Photo 2: Northeast portion of the site as seen from the landfill cap.

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

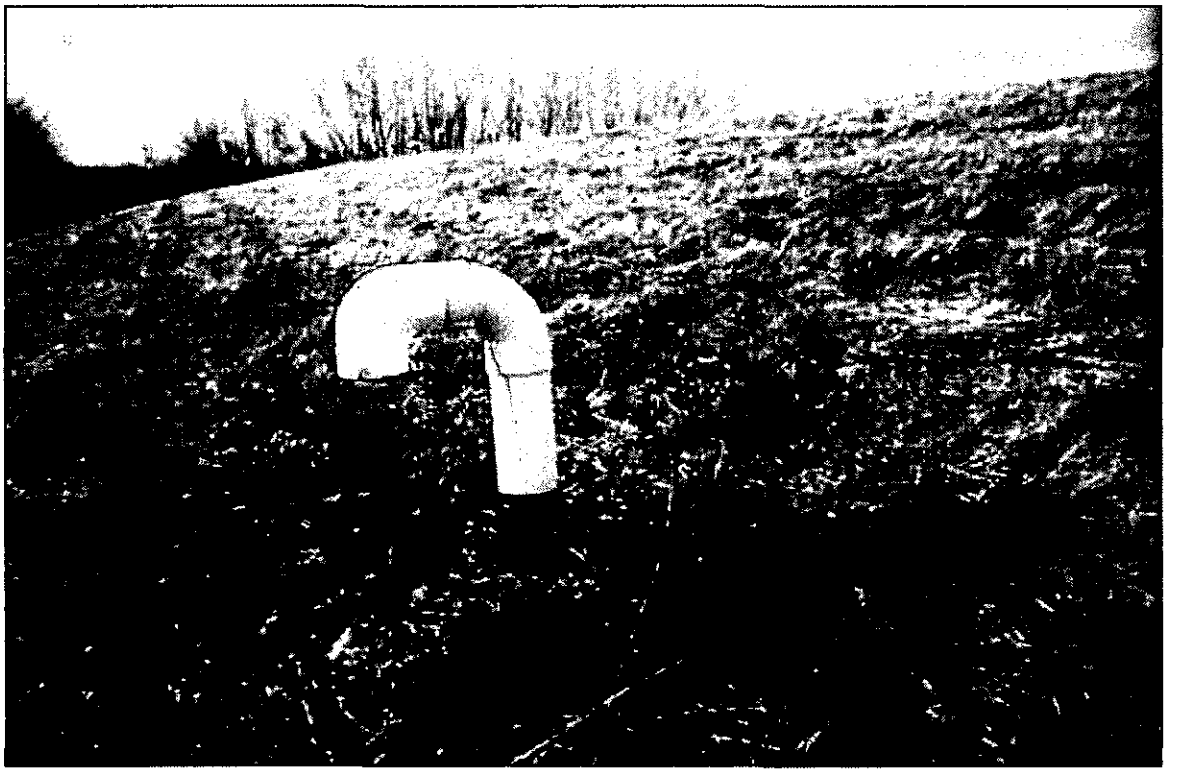


Photo 4: Typical landfill gas vent.

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

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

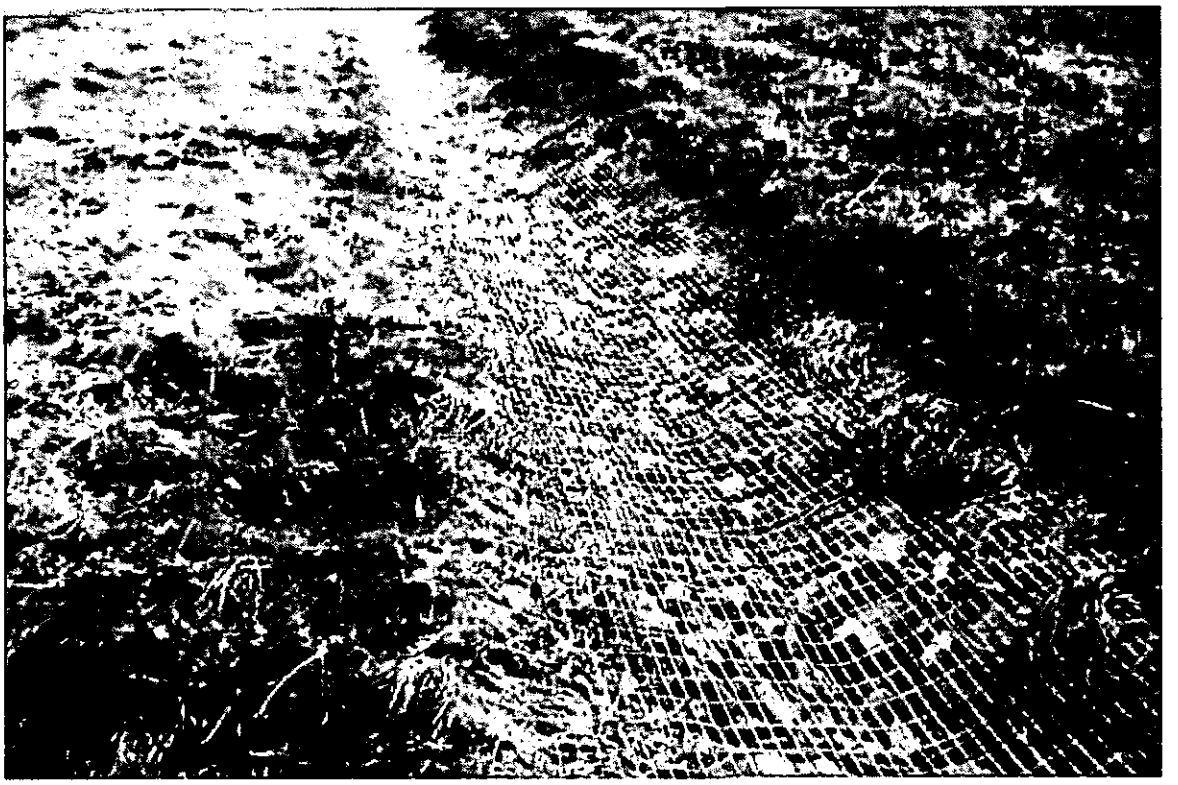


Photo 7: Drop chute on the northern portion of the landfill cap. Photo looks south.

Photo 8: Base of drop chute. Photo looks southeast.

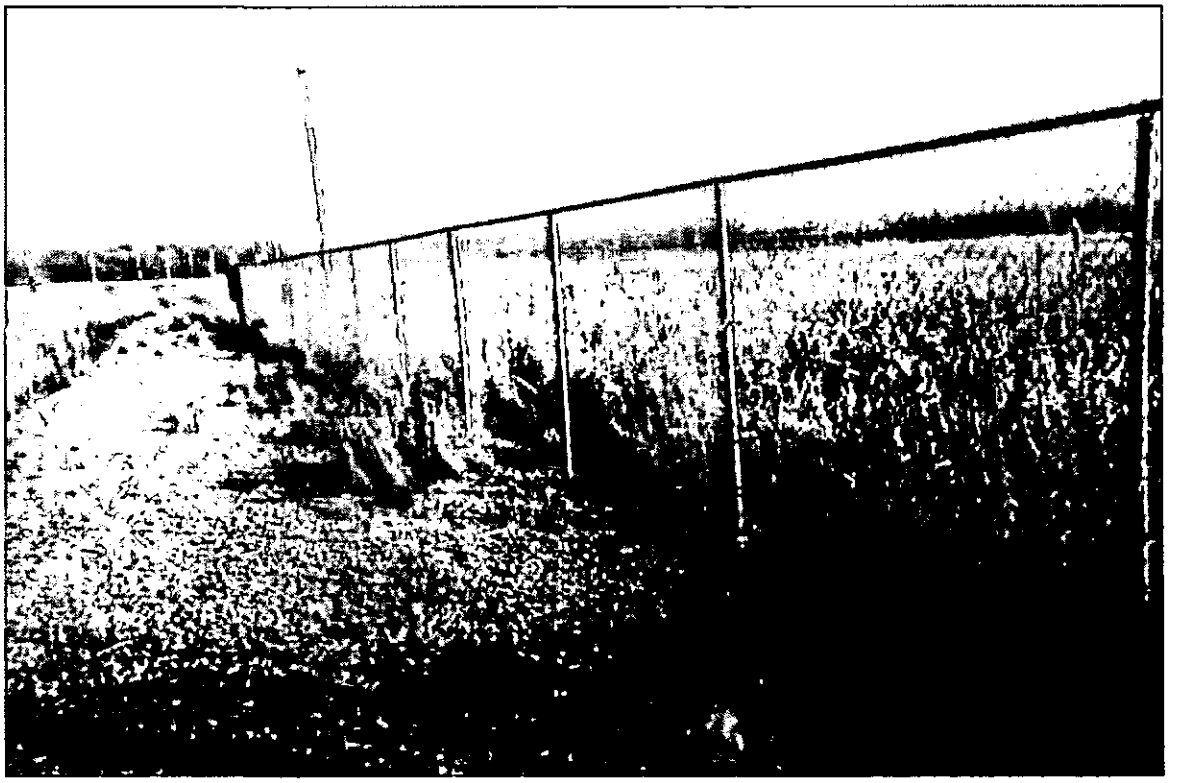


Photo 9: Northern portion of the fence along Factory Avenue. Photo looks east.

Photo 10: Access road and southern portion of the fence. Photo looks east.

Photo 11: Typical "RESTRICTED AREA FOR EXCAVATION..." sign installed on the Syracuse China fence.

Photo 12: Typical "RESTRICTED AREA FOR EXCAVATION..." sign installed on posts within the right-of-way on the north side of Factory Avenue.

APPENDIX C

UPSTATE LABORATORIES, INC. 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

January 20, 2004

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

Re: Analysis Report #32903009 - Syracuse China Landfill
(Rerun)

Dear Ms. Harris:

Per your conversation with my office, please find enclosed the additional results for your samples which were collected by ULI personnel on November 24, 2003.

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 sample. Samples will be disposed of approximately one month from final report date.

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

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.

Anthony J. Scala
Director

AJS/jd

Enclosure: report

cc/enc: N. Scala, ULI
file

Disclaimer: The test results and procedures utilized, and laboratory interpretations of data obtained by ULI as contained in this report are believed by ULI to be accurate and reliable for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of ULI for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages.

DATE: 01/20/04

Upstate Laboratories, Inc.
Analysis Results
Report Number: 32903009
Client I.D.: ROUX ASSOCIATES, INC.

APPROVAL: QJS
QC: CN
Lab I.D.: 10170
Sampled by: ULI

ID:32903009 Mat:Water SYRACUSE CHINA LF MW-1 1240H 11/24/03 G

PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
Field Eh	-20mV		11/24/03			FIELD
Field pH	7.27SU		11/24/03			FIELD
Field Specific Conductivity	703umhos/cm		11/24/03			FIELD
Field Turbidity	18.2NTU		11/24/03			FIELD
Temperature	14.4degC		11/24/03			FIELD
Lead by Low Level	<0.003mg/l		12/17/03			MB5974

ID:32903010 Mat:Water SYRACUSE CHINA LF MW-2 1215H 11/24/03 G

PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
Field Eh	-32mV		11/24/03			FIELD
Field pH	7.55SU		11/24/03			FIELD
Field Specific Conductivity	1107umhos/cm		11/24/03			FIELD
Field Turbidity	10.9NTU		11/24/03			FIELD
Temperature	14.6degC		11/24/03			FIELD
Lead by Low Level	<0.003mg/l		12/17/03			MB5974

ID:32903011 Mat:Water SYRACUSE CHINA LF MW-5 1220H 11/24/03 G

PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
Field Eh	-35mV		11/24/03			FIELD
Field pH	7.52SU		11/24/03			FIELD
Field Specific Conductivity	997umhos/cm		11/24/03			FIELD
Field Turbidity	4.99NTU		11/24/03			FIELD
Temperature	13.1degC		11/24/03			FIELD
Lead by Low Level	<0.003mg/l		12/17/03			MB5946

ID:32903012 Mat:Water SYRACUSE CHINA LF MW-6 1250H 11/24/03 G

PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
Field Eh	-30mV		11/24/03			FIELD
Field pH	7.45SU		11/24/03			FIELD
Field Specific Conductivity	890umhos/cm		11/24/03			FIELD
Field Turbidity	33.9NTU		11/24/03			FIELD
Temperature	14.7degC		11/24/03			FIELD
Lead by Low Level	<0.003mg/l		12/17/03			MB5974

ATE: 01/20/04

Upstate Laboratories, Inc.
Analysis Results
eport Number: 32903009
lient I.D.: ROUX ASSOCIATES, INC.

APPROVAL: _____
QC: CN _____
Lab I.D.: 10170
Sampled by: ULI

ID:32903013 Mat:Water SYRACUSE CHINA LF MW-8 1230H 11/24/03 G

PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
Field Eh	-25mV		11/24/03			FIELD
Field pH	7.35SU		11/24/03			FIELD
Field Specific Conductivity	2270umhos/cm		11/24/03			FIELD
Field Turbidity	8.63NTU		11/24/03			FIELD
Temperature	13.2degC		11/24/03			FIELD
Lead by Low Level	<0.003mg/l		12/17/03			MB5974

ID:32903014 Mat:Water SYRACUSE CHINA LF MW-10 1225H 11/24/03 G

PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
Field Eh	-20mV		11/24/03			FIELD
Field pH	7.32SU		11/24/03			FIELD
Field Specific Conductivity	1871umhos/cm		11/24/03			FIELD
Field Turbidity	48.9NTU		11/24/03			FIELD
Temperature	13.4degC		11/24/03			FIELD
Lead by Low Level	<0.003mg/l		12/17/03			MB5974

ID:32903015 Mat:Water SYRACUSE CHINA LF SW-1 1330H 11/24/03 G

PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
Field Eh	-65mV		11/24/03			FIELD
Field pH	8.16SU		11/24/03			FIELD
Field Specific Conductivity	645umhos/cm		11/24/03			FIELD
Field Turbidity	6.65NTU		11/24/03			FIELD
Temperature	17.5degC		11/24/03			FIELD
Lead by Low Level	<0.003mg/l		12/17/03			MB5974

ID:32903016 Mat:Water SYRACUSE CHINA LF SW-2 1340H 11/24/03 G

PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
Field Eh	-90mV		11/24/03			FIELD
Field pH	8.56SU		11/24/03			FIELD
Field Specific Conductivity	708umhos/cm		11/24/03			FIELD
Field Turbidity	19.6NTU		11/24/03			FIELD
Temperature	17.2degC		11/24/03			FIELD
Lead by Low Level	0.025mg/l		12/17/03			MB5974

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-1**

ULI ID No. (enter by lab)

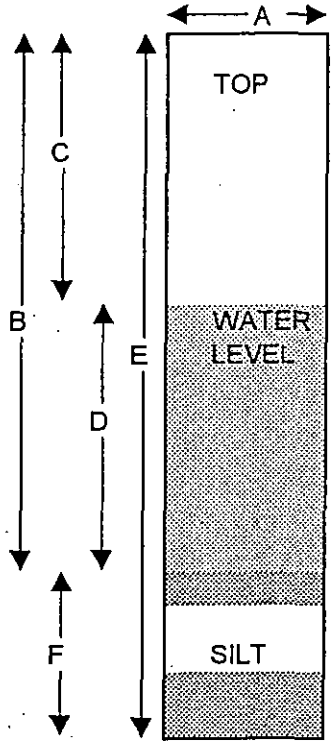
Condition of Well: GOOD

Locked: NO

Method of Evacuation: DEDICATED BAILER

Lock ID: N/A

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	24.5	feet
C.	Depth to Water	17.01	feet
D.	Length of Water Column (calculated)	7.49	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.1984	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	3.5952	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	11/24/2003	11/24/2003
Time	11:30 AM	12:40 PM
EH	-40	-20
Temperature	15.2 c	14.4 c
pH	7.71	7.27
Specific Cond.	817	703
Turbidity	4.21	18.2
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water 17.01 feet

Recharge Depth to Water 17.22 feet

2nd water column height 97.1963 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

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

Weather: 55 f sunny 55 f sunny

Observations:

Sampler: Paul Baltzersen

Signature: Paul Baltz

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**

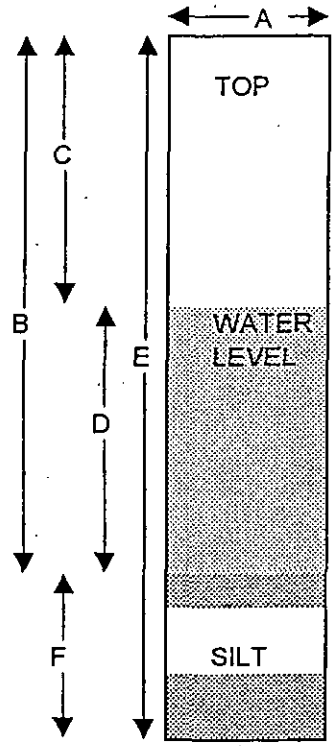
Condition of Well: GOOD

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	4.49	feet
D.	Length of Water Column (calculated)	8.61	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.3776	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	4.1328	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	11/24/2003	11/24/2003
Time	10:00 AM	12:15 PM
EH	-45	-32
Temperature	15.0 c	14.6 c
pH	8.12	7.55
Specific Cond.	1099	1107
Turbidity	2.17	10.9
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear
Weather:	55 f sunny	55 f sunny
Observations:		

% Recharge:

Initial Depth to Water 4.49 feet

Recharge Depth to Water 4.53 feet

2nd water column height 99.5354 %

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

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-5**

ULI ID No. (enter by lab)

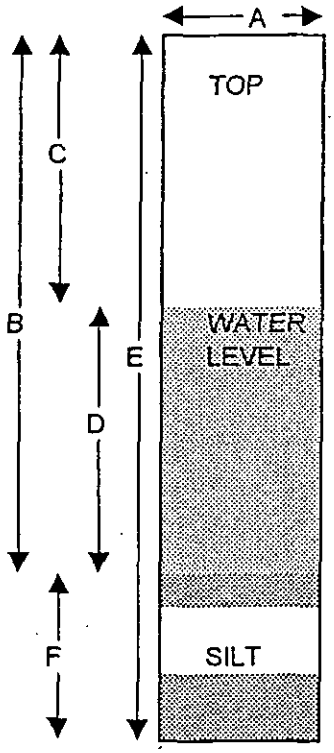
Condition of Well: GOOD

Locked: NO

Method of Evacuation: DEDICATED BAILER

Lock ID: N/A

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	13.4	feet
C.	Depth to Water	2.94	feet
D.	Length of Water Column (calculated)	10.46	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.6736	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	5.0208	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	11/24/2003	11/24/2003
Time	10:30 AM	12:20 PM
EH	-40	-35
Temperature	14.8 c	13.1 c
pH	7.61	7.52
Specific Cond.	1097	997
Turbidity	42.6	4.99
Dissolved Oxygen	N/A	N/A
Appearance	cloudy	clear

% Recharge:

Initial Depth to Water 2.94 feet

Recharge Depth to Water 4.25 feet

2nd water column height 87.4761 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

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

Weather: 55 f sunny 55 f sunny

Observations:

Sampler: Paul Baltzersen

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-6

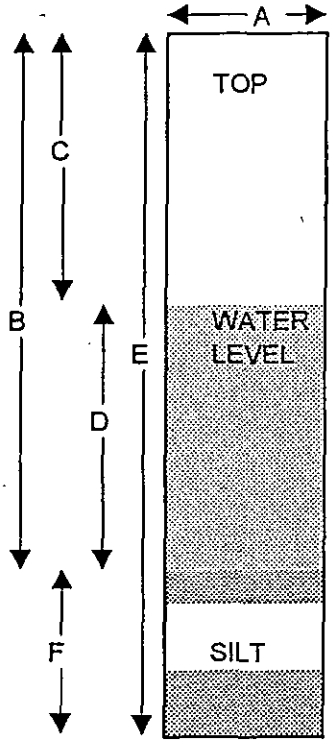
Condition of Well: GOOD

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	3.78	feet
D.	Length of Water Column (calculated)	11.58	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.8528	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	5.5584	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	11/24/2003	11/24/2003
Time	11:45 AM	12:50 PM
EH	-40	-30
Temperature	14.8 c	14.7 c
pH	7.62	7.45
Specific Cond.	723	890
Turbidity	12.6	33.9
Dissolved Oxygen	N/A	N/A
Appearance	slightly cloudy	slightly cloudy

% Recharge:

Initial Depth to Water 3.78 feet

Recharge Depth to Water 3.75 feet

2nd water column height 100.259 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

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

Weather: 55 f sunny 55 f sunny

Observations:

Sampler: Paul Baltzersen

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-8

ULI ID No. (enter by lab)

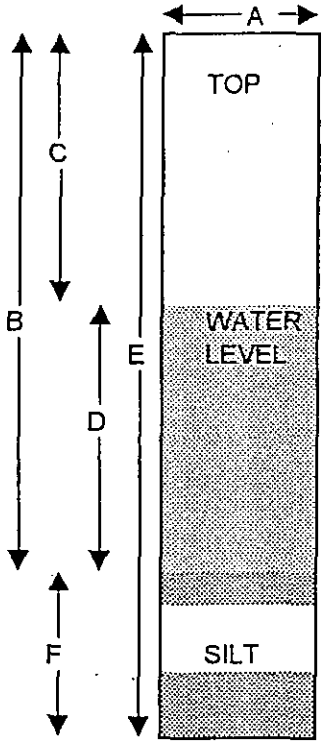
Condition of Well: GOOD

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	5.84	feet
D.	Length of Water Column (calculated)	14.89	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	2.3824	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	7.1472	gallons
	Actual Volume Evacuated	7	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	11/24/2003	11/24/2003
Time	11:05 AM	12:30 PM
EH	-20	-25
Temperature	14.8 c	13.2 c
pH	7.29	7.35
Specific Cond.	2390	2270
Turbidity	67.5	8.63
Dissolved Oxygen	N/A	N/A
Appearance	orange	clear
Weather:	55 f sunny	55 f sunny
Observations:		

% Recharge:

Initial Depth to Water 5.84 feet

Recharge Depth to Water 5.54 feet

2nd water column height 102.015 %

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

Signature: Paul Baltz

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

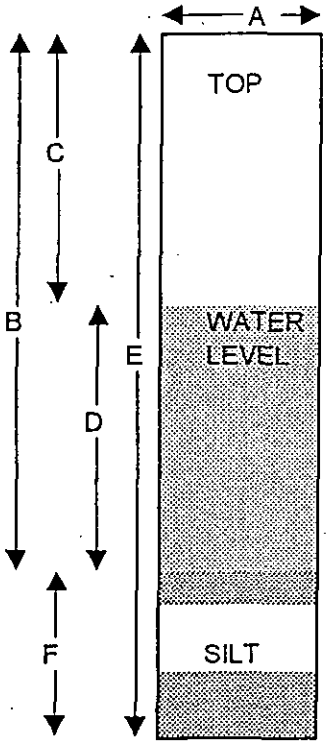
Condition of Well: GOOD

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	2.71	feet
D.	*Length of Water Column (calculated)*	10.29	*feet*
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.6464	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	4.9392	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	11/24/2003	11/24/2003
Time	10:50 AM	12:25 PM
EH	-10	-20
Temperature	13.8 c	13.4 c
pH	7.13	7.32
Specific Cond.	1969	1871
Turbidity	33.9	48.9
Dissolved Oxygen	N/A	N/A
Appearance	sl cloudy	sl cloudy

% Recharge:

Initial Depth to Water 2.71 feet

Recharge Depth to Water 2.82 feet

2nd water column height 98.931 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

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

Weather: 55 f sunny 55 f sunny

Observations:

Sampler: Paul Baltzersen

Signature: Paul Baltz

Upstate Laboratories, Inc.

Tap Water / Surface Water / Wastewater Field Log

Client: Roux Associates, Inc. **Sampler** (print): Paul Baltzersen

Project: Syracuse China Landfill **Signature:** [signature]

Date: 11/24/2003

Location	Surface Water 1	TIME SAMPLED	1:30 PM ULI ID. NO.
EH	-65 MV	WEATHER CONDITION:	55 f sunny
TEMPERATURE	17.5 (C) OR F		
PH	8.16 STD.UNITS	APPEARANCE / OBSERVATIONS	clear
SPEC. CON.	645 UMHOS/CM	DO	n/a MG/L
TURB	6.65 NTU	STAFF GUAGE	N/a

Location	Surface Water 2	TIME SAMPLED	1:40 PM ULI ID. NO.
EH	-90 MV	WEATHER CONDITION:	55 f sunny
TEMPERATURE	17.2 (C) OR F		
PH	8.56 STD.UNITS	APPEARANCE / OBSERVATIONS	slightly cloudy
SPEC. CON.	708 UMHOS/CM	DO	n/a MG/L
TURB	19.6 NTU	STAFF GUAGE	n/a

Location		TIME SAMPLED	ULI ID. NO.
EH	MV	WEATHER CONDITION:	
TEMPERATURE	C OR F		
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 OR F		
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 OR F		
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 OR F		
PH	STD.UNITS	APPEARANCE / OBSERVATIONS	
SPEC. CON.	UMHOS/CM	DO	MG/L
TURB	NTU	STAFF GUAGE	

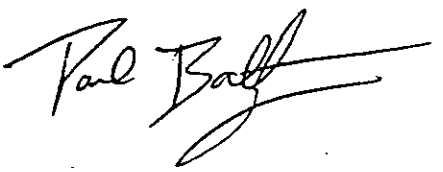
Syracuse China Landfill

Gas Monitoring

11/24/2003

Location	H2S (ppm)	LEL (%)
GV - 1	0	0
GV - 2	0	0
GV - 3	0	0
GV -4	0	0
GV-5	0	0
GV - 6	0	0
GV - 7	0	0
TG - 1	0	0
TG - 2	0	0
TG - 3	0	0
TG - 4	0	0
TG - 5	0	0
TG - 6	0	0
TG - 7	0	0

Sampled by Paul Baltzersen



Upstate Laboratories, Inc.

6034 Corporate Drive • E. Syracuse, NY 13057-1017
(315) 437 0255 Fax 437 1209

Chain Of Custody Record

12/5

Client: ROUX ASSOCIATES, INC

Client Project # / Project Name: Syracuse China Landfill

Client Contact: Meredith Harris

Phone #:

Site Location (city/state): SYRACUSE, NY

Sample Location:	Date	Time	Matrix	Grab or Comp.	ULI Internal Use Only 32903009	No. of Containers	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)
MW-1	11/24/03	12:40p	H2O	GRAB	~~32803009~~	(1)	X	X								
MW-2		12:15p			10	(1)	X	X								
MW-5		12:20p			11	(1)	X	X								
MW-6		12:50p			12	(1)	X	X								
MW-8		12:30p			13	(1)	X	X								
MW-10		12:25p			14	(1)	X	X								
SW-1		1:30p			15	(1)	X	X								
SW-2		1:40p			16	(1)	X	X								

Special Turnaround Time_____ (Lab Notification required)

Remarks

Parameter and method	sample bottle: type	size	pres.
1) Field pH, EH, specCon, turb, temp			
2) T-Pb			
3)			
4)			
5)			
6)			
7)			
8)			
9)			
10)			

Note: The numbered columns above cross-reference with the numbered columns in the upper right-hand corner.

Sampled by: (Please Print) PAUL BALTZERSEN

Company: ULI

ULI Internal Use Only

Delivery (check one):
☐ ULI Sampled
☐ Pickup ☐ Dropoff
☐ CC _____

Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Relinquished by: (Signature) Paul Baltz	Date 11/24/03	Time 2:45 p	Rec'd for Lab by: (Signature) K Crump

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

April 7, 2004

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

Re: Analysis Report #08304045 - Syracuse China LF

Dear Ms. Harris:

Please find enclosed the results for your samples which were collected by ULI personnel on March 23, 2004.

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 sample. Samples will be disposed of approximately one month from final report date.

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

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.

Anthony J. Scala
Director

AJS/jd

Enclosures: report, field data, gas monitoring report

cc/encs: N. Scala, ULI
file

Disclaimer: The test results and procedures utilized, and laboratory interpretations of data obtained by ULI as contained in this report are believed by ULI to be accurate and reliable for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of ULI for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages.

DATE: 04/07/04

Upstate Laboratories, Inc.
Analysis Results
Report Number: 08304045
Client I.D.: ROUX ASSOCIATES, INC.

APPROVAL: GJS
QC: KD
Lab I.D.: 10170
Sampled by: ULI

ID:08304045 Mat:Water SYRACUSE CHINA LF MW-1 1235H 03/23/04 G

	PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
	Field Eh	-46mV		03/23/04			FIELD
	Field pH	7.70SU		03/23/04			FIELD
	Field Specific Conductivity	418umhos/cm		03/23/04			FIELD
	Field Turbidity	147NTU		03/23/04			FIELD
	Temperature	6.8degC		03/23/04			FIELD
Total	Lead by Low Level	0.005mg/l		03/31/04			MB6158

ID:08304046 Mat:Water SYRACUSE CHINA LF MW-2 1210H 03/23/04 G

	PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
	Field Eh	-36mV		03/23/04			FIELD
	Field pH	7.48SU		03/23/04			FIELD
	Field Specific Conductivity	786umhos/cm		03/23/04			FIELD
	Field Turbidity	38.8NTU		03/23/04			FIELD
	Temperature	5.5degC		03/23/04			FIELD
Total	Lead by Low Level	0.002mg/l		03/31/04			MB6158

ID:08304047 Mat:Water SYRACUSE CHINA LF MW-5 1135H 03/23/04 G

	PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
	Field Eh	-30mV		03/23/04			FIELD
	Field pH	7.41SU		03/23/04			FIELD
	Field Specific Conductivity	897umhos/cm		03/23/04			FIELD
	Field Turbidity	48.6NTU		03/23/04			FIELD
	Temperature	5.3degC		03/23/04			FIELD
Total	Lead by Low Level	0.004mg/l		03/31/04			MB6158

ID:08304048 Mat:Water SYRACUSE CHINA LF MW-6 1225H 03/23/04 G

	PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
	Field Eh	-30mV		03/23/04			FIELD
	Field pH	7.39SU		03/23/04			FIELD
	Field Specific Conductivity	747umhos/cm		03/23/04			FIELD
	Field Turbidity	60.6NTU		03/23/04			FIELD
	Temperature	5.1degC		03/23/04			FIELD
Total	Lead by Low Level	0.002mg/l		03/31/04			MB6158

DATE: 04/07/04

Upstate Laboratories, Inc.
Analysis Results
Report Number: 08304045
Client I.D.: ROUX ASSOCIATES, INC.

APPROVAL: AJS
QC: KD
Lab I.D.: 10170
Sampled by: ULI

ID:08304049 Mat:Water SYRACUSE CHINA LF MW-8 1150H 03/23/04 G

	PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
	Field Eh	-15mV		03/23/04			FIELD
	Field pH	7.11SU		03/23/04			FIELD
	Field Specific Conductivity	1704umhos/cm		03/23/04			FIELD
	Field Turbidity	69.9NTU		03/23/04			FIELD
	Temperature	5.6degC		03/23/04			FIELD
Total	Lead by Low Level	0.040mg/l		03/31/04			MB6158

ID:08304050 Mat:Water SYRACUSE CHINA LF MW-10 1140H 03/23/04 G

	PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
	Field Eh	-35mV		03/23/04			FIELD
	Field pH	7.56SU		03/23/04			FIELD
	Field Specific Conductivity	1546umhos/cm		03/23/04			FIELD
	Field Turbidity	1.67NTU		03/23/04			FIELD
	Temperature	5.2degC		03/23/04			FIELD
Total	Lead by Low Level	<0.001mg/l		03/31/04		28	MB6158

ID:08304051 Mat:Water SYRACUSE CHINA LF SW-1 1155H 03/23/04 G

	PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
	Field Eh	-50mV		03/23/04			FIELD
	Field pH	7.71SU		03/23/04			FIELD
	Field Specific Conductivity	511umhos/cm		03/23/04			FIELD
	Field Turbidity	1.43NTU		03/23/04			FIELD
	Temperature	2.9degC		03/23/04			FIELD
Total	Lead by Low Level	<0.001mg/l		03/31/04			MB6158

ID:08304052 Mat:Water SYRACUSE CHINA LF SW-2 1200H 03/23/04 G

	PARAMETERS	RESULTS	TIME	DATE ANAL.	KEY	KEY	FILE#
	Field Eh	-40mV		03/23/04			FIELD
	Field pH	7.54SU		03/23/04			FIELD
	Field Specific Conductivity	526umhos/cm		03/23/04			FIELD
	Field Turbidity	1.47NTU		03/23/04			FIELD
	Temperature	4.9degC		03/23/04			FIELD
Total	Lead by Low Level	<0.001mg/l		03/31/04			MB6158

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. 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

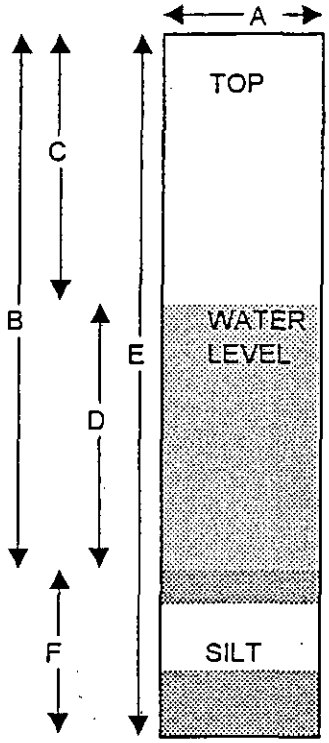
Condition of Well: GOOD

Locked: NO

Method of Evacuation: DEDICATED BAILER

Lock ID: N/A

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	24.5	feet
C.	Depth to Water	14.53	feet
D.	Length of Water Column (calculated)	9.97	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.5952	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	4.7856	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	3/23/2004	3/23/2004
Time	11:20 AM	12:35 PM
EH	-35	-46
Temperature	8.8 c	6.8 c
pH	7.49	7.70
Specific Cond.	417	418
Turbidity	7.14	147
Dissolved Oxygen	N/A	N/A
Appearance	clear	cloudy

% Recharge:

Initial Depth to Water 14.53 feet

Recharge Depth to Water 14.49 feet

2nd water column height 100.401 %

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 cloudy

Observations:

Sampler: Paul Baltzersen

Signature: Paul Baltz

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

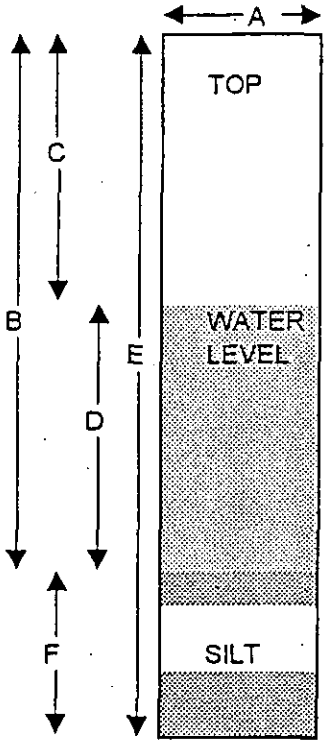
Condition of Well: GOOD

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	4.31	feet
D.	Length of Water Column (calculated)	8.61	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.3776	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	4.1328	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	3/23/2004	3/23/2004
Time	10:20 AM	12:10 PM
EH	-36	-36
Temperature	5.3 c	5.5 c
pH	7.47	7.48
Specific Cond.	671	786
Turbidity	3.51	38.8
Dissolved Oxygen	N/A	N/A
Appearance	clear	sl cloudy

% Recharge:

Initial Depth to Water 4.31 feet

Recharge Depth to Water 4.32 feet

2nd water column height 99.5354 %

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 cloudy

Observations:

Sampler: Paul Baltzersen

Signature: Paul Baltz

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-5

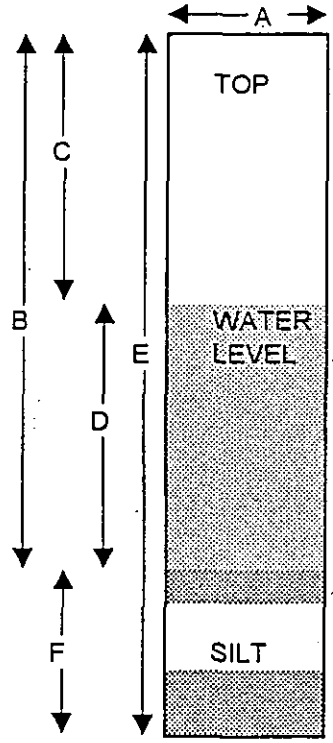
Condition of Well: GOOD

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	13.4	feet
C.	Depth to Water	2.63	feet
D.	Length of Water Column (calculated)	10.77	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.7232	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	5.1696	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	3/23/2004	3/23/2004
Time	9:15 AM	11:35 AM
EH	-50	-30
Temperature	5.5 c	5.3 c
pH	7.79	7.41
Specific Cond.	919	897
Turbidity	82.4	48.6
Dissolved Oxygen	N/A	N/A
Appearance	orange	sl cloudy

% Recharge:

Initial Depth to Water 2.63 feet

Recharge Depth to Water 2.89 feet

2nd water column height 97.5859 %

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 cloudy

Observations:

Sampler: Paul Baltzersen

Signature: Paul Baltz

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 12/2001

Client: Roux Associates, Inc.

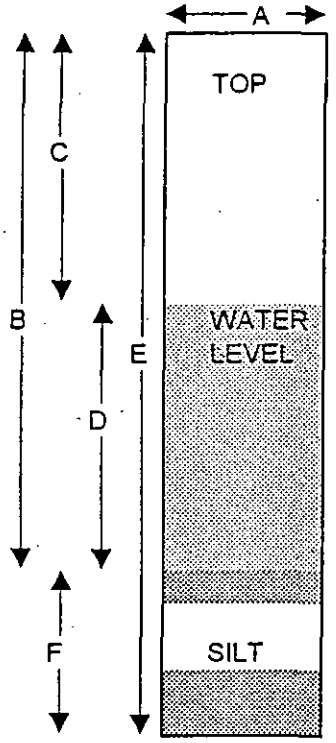
Project: Syracuse China Landfill ULI ID No. (enter by lab)

Well ID.: MW-6

Condition of Well: GOOD Locked: NO

Method of Evacuation: 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	3.64	feet
D.	Length of Water Column (calculated)	11.72	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.8752	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	5.6256	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	3/23/2004	3/23/2004
Time	10:45 AM	12:25 PM
EH	-40	-30
Temperature	5.9 c	5.1 c
pH	7.59	7.39
Specific Cond.	631	747
Turbidity	243	60.6
Dissolved Oxygen	N/A	N/A
Appearance	cloudy	sl cloudy

% Recharge:

Initial Depth to Water 3.64 feet

Recharge Depth to Water 3.63 feet

2nd water column height 100.085 %

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 cloudy

Observations:

Sampler:
Paul Baltzersen

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-8

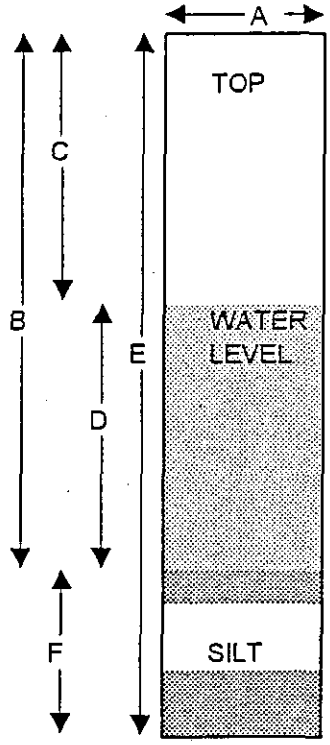
Condition of Well: GOOD

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	3.79	feet
D.	Length of Water Column (calculated)	16.94	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	2.7104	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	8.1312	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	3/23/2004	3/23/2004
Time	9:55 AM	11:50 AM
EH	-15	-15
Temperature	5.6 c	5.6 c
pH	7.07	7.11
Specific Cond.	1828	1704
Turbidity	21.1	69.9
Dissolved Oxygen	N/A	N/A
Appearance	sl cloudy	sl cloudy

% Recharge:

Initial Depth to Water 3.79 feet

Recharge Depth to Water 3.77 feet

2nd water column height 100.118 %

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 cloudy

Observations:

Sampler: Paul Baltzersen

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-10

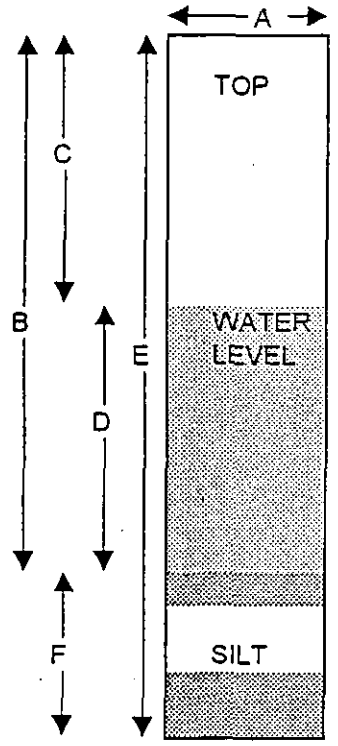
Condition of Well: GOOD

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	2.58	feet
D.	Length of Water Column (calculated)	10.42	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.6672	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	5.0016	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	3/23/2004	3/23/2004
Time	9:35 AM	11:40 AM
EH	-30	-35
Temperature	4.7 c	5.2 c
pH	7.43	7.56
Specific Cond.	1611	1546
Turbidity	*0.88*	1.67
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water 2.58 feet

Recharge Depth to Water 2.62 feet

2nd water column height 99.6161 %

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 cloudy

Observations:

Sampler: Paul Baltzersen

Signature: Paul Baltzersen

Upstate Laboratories, Inc.

Tap Water / Surface Water / Wastewater Field Log

Client: Roux Associates, Inc.

Sampler (print): Paul Baltzersen

Project: Syracuse China Landfill

Signature: [signature]

Date: 3/23/2004

Location	Surface Water 1	TIME SAMPLED	11:55 AM ULI ID NO.
EH	-50 MV	WEATHER CONDITION:	30 f cloudy
TEMPERATURE	2.9 C OR F		
PH	7.71 STD.UNITS	APPEARANCE / OBSERVATIONS	clear
SPEC. CON.	511 UMHOS/CM	DO	n/a MG/L
TURB	1.43 NTU	STAFF GUAGE	N/a

Location	Surface Water 2	TIME SAMPLED	12:00 PM ULI ID NO.
EH	-40 MV	WEATHER CONDITION:	30 f cloudy
TEMPERATURE	4.9 C OR F		
PH	7.54 STD.UNITS	APPEARANCE / OBSERVATIONS	yellowish
SPEC. CON.	526 UMHOS/CM	DO	n/a MG/L
TURB	1.47 NTU	STAFF GUAGE	n/a

Location		TIME SAMPLED	ULI ID NO.
EH	MV	WEATHER CONDITION:	
TEMPERATURE	C OR F		
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 OR F		
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 OR F		
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 OR F		
PH	STD.UNITS	APPEARANCE / OBSERVATIONS	
SPEC. CON.	UMHOS/CM	DO	MG/L
TURB	NTU	STAFF GUAGE	

Syracuse China Landfill

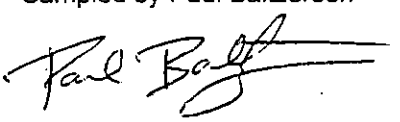
Gas Monitoring

3/23/2004

Location	H2S (ppm)	LEL (%)	TIME
GV - 1	0	0	1:40 PM
GV - 2	0	0	1:25 PM
GV - 3	0	0	1:20 PM
GV -4	0	0	1:50 PM
GV-5	0	0	1:55 PM
GV - 6	0	0	12:45 PM
GV - 7	0	0	12:50 PM
TG - 1	0	0	1:30 PM
TG - 2	0	0	1:10 PM
TG - 3	0	0	1:00 PM
TG - 4	0	0	2:10 PM
TG - 5	0	0	2:05 PM
TG - 6	0	0	1:45 PM

Meter: *BW Technologies* Gas Alert Max / Model: GAMAX 3-4

Sampled by Paul Baltzersen



Upstate Laboratories, Inc. — Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

4/2

Client: ROUX ASSOCIATES, INC

Project # / Project Name: SYRACUSE CHINA LANDFILL

Client Contact: MEREDITH HARRIS

Phone #:

Location (city/state) Address: SYRACUSE, NY

Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
MW-1	3-23-04	12:35P	H2O	GRAB	0830405	(1)	X	X									
MW-2	3-23-04	12:10P	H2O	GRAB	46	(1)	X	X									
MW-5	3-23-04	11:35A	H2O	GRAB	47	(1)	X	X									
MW-6	3-23-04	12:25P	H2O	GRAB	48	(1)	X	X									
MW-8	3-23-04	11:50A	H2O	GRAB	49	(1)	X	X									
MW-10	3-23-04	11:40A	H2O	GRAB	50	(1)	X	X									
SW-1	3-23-04	11:55A	H2O	GRAB	51	(1)	X	X									
SW-2	3-23-04	12:00P	H2O	GRAB	52	(1)	X	X									

	Parameter and Method	Sample bottle: Type	Size	Preservative
1	FIELD PH,EH,SPEC. CON,TURB,TEMP	n/a	n/a	none
2	Pb by low level	plastic	500ml	HNO3
3				
4				
5				
6				
7				
8				
9				
10				

Sampled by (Print): PAUL BALTEERSEN
Company: Upstate Laboratories, Inc.

Name of Courier:

	Date	Time	
Relinquished by: (sign)			Received by: (sign)
Relinquished by: (sign)			Received by: (sign)
Relinquished by: (sign) Paul Balt	3/23/04	1:45P	Rec'd for Lab by:

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

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

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

Thursday, July 15, 2004

RE: Syracuse China Landfill

Order No.: U0406652

Dear Meredith Harris:

Upstate Laboratories, Inc. received 8 sample(s) on 6/29/04 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

Anthony J. Scala
Director

Upstate Laboratories, Inc.

Date: *15-Jul-04*

CLIENT: Roux Associates, Inc. **Lab Order:** U0406652
Project: Syracuse China Landfill

Lab ID: U0406652-001 **Collection Date:** 6/29/04 11:00:00 AM
Client Sample ID: MW-1 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	839	1.0		umhos/cm		6/29/04 11:00:00 AM
Eh	-73			mV		6/29/04 11:00:00 AM
pH	7.85	6.5-8.5		SU		6/29/04 11:00:00 AM
Temperature	13.3			degC		6/29/04 11:00:00 AM
Turbidity	3.76	5.0		NTU		6/29/04 11:00:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: ES
Lead*	0.005	0.001		mg/L	1	7/6/04 12:00:00 PM

Lab ID: U0406652-002 **Collection Date:** 6/29/04 9:30:00 AM
Client Sample ID: MW-2 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	1123	1.0		umhos/cm		6/29/04 9:30:00 AM
Eh	-65			mV		6/29/04 9:30:00 AM
pH	7.84	6.5-8.5		SU		6/29/04 9:30:00 AM
Temperature	15.2			degC		6/29/04 9:30:00 AM
Turbidity	3.49	5.0		NTU		6/29/04 9:30:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: ES
Lead*	ND	0.001		mg/L	1	7/6/04 12:00:00 PM

Lab ID: U0406652-003 **Collection Date:** 6/29/04 9:45:00 AM
Client Sample ID: MW-5 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	1328	1.0		umhos/cm		6/29/04 9:45:00 AM
Eh	-58			mV		6/29/04 9:45:00 AM
pH	7.71	6.5-8.5		SU		6/29/04 9:45:00 AM
Temperature	14.8			degC		6/29/04 9:45:00 AM
Turbidity	5.69	5.0		NTU		6/29/04 9:45:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: ES
Lead*	0.005	0.001		mg/L	1	7/6/04 12:00:00 PM

Approved By: TS **Date:** 7-14-04

Qualifiers:
- * Low Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S *Spike Recovery outside accepted recovery limits*
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Upstate Laboratories, Inc.

Date: *15-Jul-04*

CLIENT: Roux Associates, Inc. **Lab Order:** U0406652
Project: Syracuse China Landfill

Lab ID: *U0406652-004* **Collection Date:** *6/29/04 11:10:00 AM*
Client Sample ID: MW-6 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	997	1.0		umhos/cm		6/29/04 11:10:00 AM
Eh	-56			mV		6/29/04 11:10:00 AM
pH	7.67	6.5-8.5		SU		6/29/04 11:10:00 AM
Temperature	14.5			degC		6/29/04 11:10:00 AM
Turbidity	7.47	5.0		NTU		6/29/04 11:10:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: ES
Lead*	0.006	0.001		mg/L	1	7/6/04 12:00:00 PM

Lab ID: U0406652-005 **Collection Date:** 6/29/04 10:15:00 AM
Client Sample ID: MW-8 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	2940	1.0		umhos/cm		6/29/04 10:15:00 AM
Eh	-37			mV		6/29/04 10:15:00 AM
pH	7.31	6.5-8.5		SU		6/29/04 10:15:00 AM
Temperature	13.4			degC		6/29/04 10:15:00 AM
Turbidity	21.0	5.0		NTU		6/29/04 10:15:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: ES
Lead*	0.002	0.001	27	mg/L	1	7/6/04 12:00:00 PM

Lab ID: U0406652-006 **Collection Date:** 6/29/04 10:00:00 AM
Client Sample ID: MW-10 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	2680	1.0		umhos/cm		6/29/04 10:00:00 AM
Eh	-47			mV		6/29/04 10:00:00 AM
pH	7.50	6.5-8.5		SU		6/29/04 10:00:00 AM
Temperature	14.0			degC		6/29/04 10:00:00 AM
Turbidity	6.38	5.0		NTU		6/29/04 10:00:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: ES
Lead*	ND	0.001		mg/L	1	7/6/04 12:00:00 PM

Approved By: TS **Date:** 7-14-04

Qualifiers:
- * Low Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Upstate Laboratories, Inc.

Date: *15-Jul-04*

CLIENT: Roux Associates, Inc. **Lab Order:** U0406652
Project: Syracuse China Landfill

Lab ID: U0406652-007 **Collection Date:** 6/29/04 10:25:00 AM
Client Sample ID: SW-1 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	1266	1.0		umhos/cm		6/29/04 10:25:00 AM
Eh	-41			mV		6/29/04 10:25:00 AM
pH	7.36	6.5-8.5		SU		6/29/04 10:25:00 AM
Temperature	17.7			degC		6/29/04 10:25:00 AM
Turbidity	5.19	5.0		NTU		6/29/04 10:25:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: ES
Lead*	0.002	0.001		mg/L	1	7/6/04 12:00:00 PM

Lab ID: U0406652-008 **Collection Date:** 6/29/04 10:20:00 AM
Client Sample ID: SW-2 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	1193	1.0		umhos/cm		6/29/04 10:20:00 AM
Eh	-35			mV		6/29/04 10:20:00 AM
pH	7.23	6.5-8.5		SU		6/29/04 10:20:00 AM
Temperature	17.5			degC		6/29/04 10:20:00 AM
Turbidity	4.63	5.0		NTU		6/29/04 10:20:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: ES
Lead*	ND	0.001		mg/L	1	7/6/04 12:00:00 PM

Approved By: TS **Date:** 7-14-04

Qualifiers:
- * Low Level
- E *Value above quantitation range*
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H *Holding times for preparation or analysis exceeded*
- ND Not Detected at the Reporting Limit

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. 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

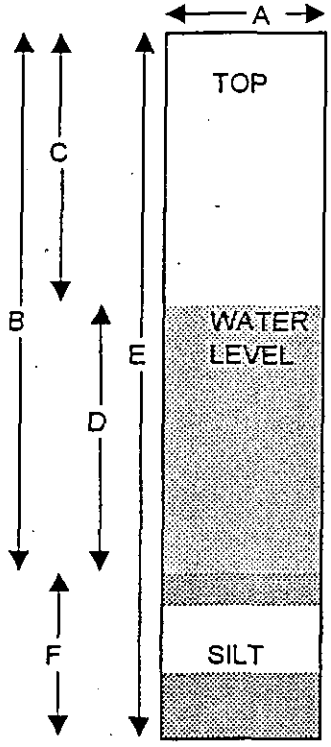
Condition of Well: GOOD

Locked: NO

Method of Evacuation: DEDICATED BAILER

Lock ID: N/A

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	24.5	feet
C.	Depth to Water	17.40	feet
D.	Length of Water Column (calculated)	7.10	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.136	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	3.408	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	6/28/2004	6/29/2004
Time	12:40 PM	11:00 AM
EH	-44	-73
Temperature	14.2 c	13.3 c
pH	7.44	7.85
Specific Cond.	994	839
Turbidity	11.3	3.76
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water 17.40 feet

Recharge Depth to Water 17.47 feet

2nd water column height 99.0141 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

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

Weather: 65 f cloudy / 75 f sunny

Observations:

Sampler: Paul Baltzersen

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

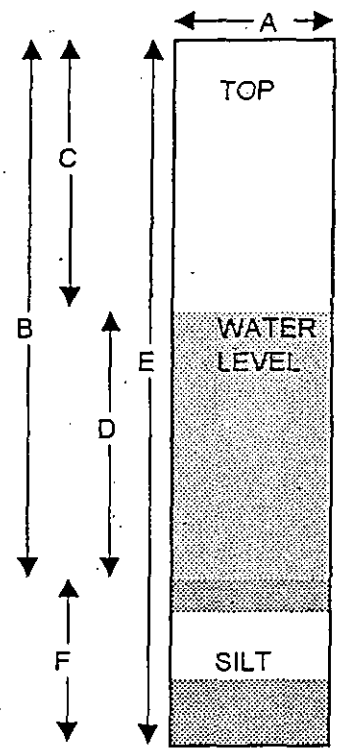
Condition of Well: GOOD

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	6.28	feet
D.	Length of Water Column (calculated)	6.82	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.0912	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	3.2736	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	6/28/2004	6/29/2004
Time	10:00 AM	9:30 AM
EH	10	-65
Temperature	15.8 c	15.2 c
pH	6.46	7.84
Specific Cond.	1260	1123
Turbidity	57.1	3.49
Dissolved Oxygen	N/A	N/A
Appearance	cloudy	clear

% Recharge:

Initial Depth to Water 6.28 feet

Recharge Depth to Water 6.32 feet

2nd water column height 99.4135 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

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

Weather: 65 f cloudy / 75 f sunny

Observations:

Sampler: Paul Baltzersen

Signature: Paul Baltz

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-5

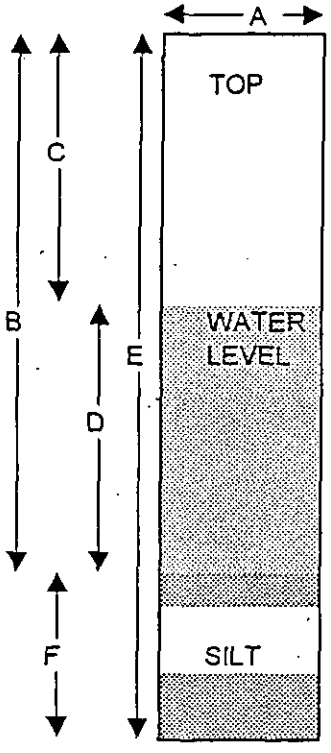
Condition of Well: GOOD

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	13.4	feet
C.	Depth to Water	3.58	feet
D.	Length of Water Column (calculated)	9.82	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.5712	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	4.7136	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	6/28/2004	6/29/2004
Time	10:45 AM	9:45 AM
EH	-10	-58
Temperature	12.7 c	14.8 c
pH	6.78	7.71
Specific Cond.	1682	1328
Turbidity	88.8	5.69
Dissolved Oxygen	N/A	N/A
Appearance	cloudy	clear

% Recharge:

Initial Depth to Water 3.58 feet

Recharge Depth to Water 3.53 feet

2nd water column height 100.509 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

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

Weather: 65 f cloudy / 75 f sunny

Observations:

Sampler: Paul Baltzersen

Signature: Paul Balt

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

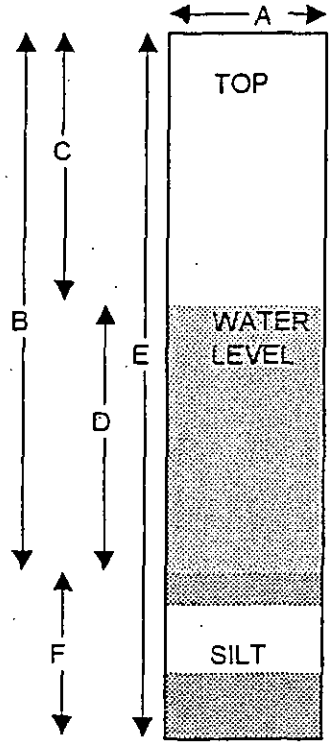
Condition of Well: GOOD

Locked: NO

Method of Evacuation: 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	6.23	feet
D.	Length of Water Column (calculated)	9.13	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.4608	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	4.3824	gallons
	Actual Volume Evacuated	7	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	6/28/2004	6/29/2004
Time	1:20 PM	11:10 AM
EH	-52	-56
Temperature	14.1 c	14.5 c
pH	7.62	7.67
Specific Cond.	916	997
Turbidity	54.5	7.47
Dissolved Oxygen	N/A	N/A
Appearance	cloudy	clear

% Recharge:

Initial Depth to Water 6.23 feet

Recharge Depth to Water 6.29 feet

2nd water column height 99.3428 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

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

Weather: 65 f cloudy / 75 f sunny

Observations:

Sampler: Paul Baltzersen

Signature: Paul Baltz

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)

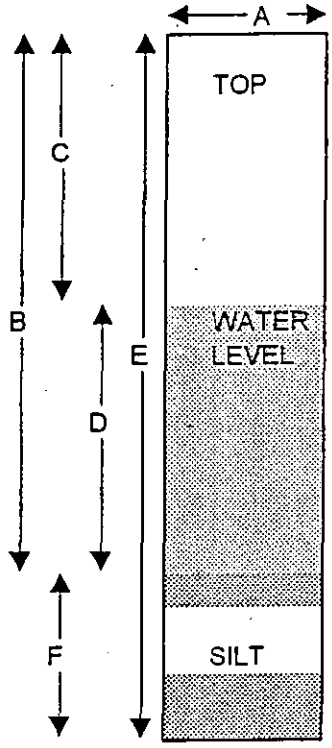
Condition of Well: GOOD

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	4.32	feet
D.	Length of Water Column (calculated)	16.41	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	2.6256	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	7.8768	gallons
	Actual Volume Evacuated	10	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	6/28/2004	6/29/2004
Time	11:50 AM	10:15 AM
EH	-10	-37
Temperature	12.4 c	13.4 c
pH	6.80	7.31
Specific Cond.	3050	2940
Turbidity	22.5	21.0
Dissolved Oxygen	N/A	N/A
Appearance	slighty cloudy	slightly cloudy

% Recharge:

Initial Depth to Water 4.32 feet

Recharge Depth to Water 4.38 feet

2nd water column height 99.6344 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

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

Weather: 65 f cloudy / 75 f sunny

Observations:

Sampler: Paul Baltzersen

Signature: Paul Balt

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

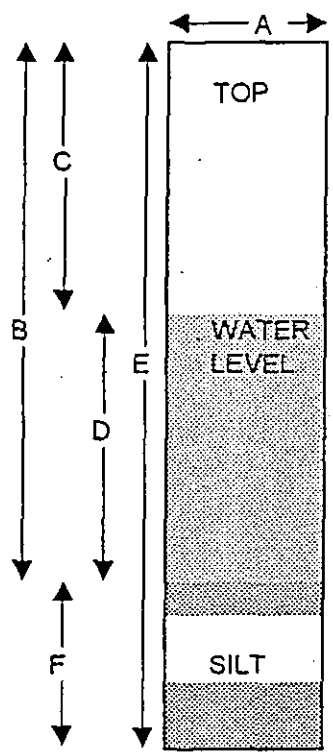
Condition of Well: GOOD

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*	2.61	*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	*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	6/28/2004	6/29/2004
Time	11:20 AM	10:00 AM
EH	-10	-47
Temperature	14.1 c	14.0 c
pH	6.81	7.50
Specific Cond.	2740	2680
Turbidity	59.6	6.38
Dissolved Oxygen	N/A	N/A
Appearance	cloudy	clear

% Recharge:

Initial Depth to Water 2.61 feet

Recharge Depth to Water 2.56 feet

2nd water column height 100.481 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

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

Weather: 65 f cloudy / 75 f sunny

Observations:

Sampler: Paul Baltzersen

Signature: Paul Baltzersen

Upstate Laboratories, Inc.

ap Water / Surface Water / Wastewater Field Log

Client: Roux Associates, Inc. **Sampler** (print): Paul Baltzersen

roject: Syracuse China Landfill **Signature:** Paul Baltz

Date: 6/29/2004

ocation	Surface Water 1	TIME SAMPLED 10:25 AM	ULI ID NO.
EH	-41 MV	WEATHER CONDITION:	75 f sunny
EMPERATURE	17.7 (C) OR F		
H	7.36 STD.UNITS	APPEARANCE / OBSERVATIONS	clear
SPEC. CON.	1266 UMHOS/CM	DO n/a	MG/L
URB	5.19 NTU	STAFF GUAGE N/a	

Location	Surface Water 2	TIME SAMPLED 10:20 AM	ULI ID NO.
H	-35 MV	WEATHER CONDITION:	75 f sunny
TEMPERATURE	17.5 (C) OR F		
H	7.23 STD.UNITS	APPEARANCE / OBSERVATIONS	clear
PEC. CON.	1193 UMHOS/CM	DO n/a	MG/L
TURB	4.63 NTU	STAFF GUAGE n/a	

ocation		TIME SAMPLED	ULI ID NO.
EH	MV	WEATHER CONDITION:	
EMPERATURE	C OR F		
H	STD.UNITS	APPEARANCE / OBSERVATIONS	
SPEC. CON.	UMHOS/CM	DO	MG/L
URB	NTU	STAFF GUAGE	

Location		TIME SAMPLED	ULI ID NO.
H	MV	WEATHER CONDITION:	
TEMPERATURE	C OR F		
PH	STD.UNITS	APPEARANCE / OBSERVATIONS	
PEC. CON.	UMHOS/CM	DO	MG/L
TURB	NTU	STAFF GUAGE	

ocation		TIME SAMPLED	ULI ID NO.
EH	MV	WEATHER CONDITION:	
TEMPERATURE	C OR F		
H	STD.UNITS	APPEARANCE / OBSERVATIONS	
SPEC. CON.	UMHOS/CM	DO	MG/L
URB	NTU	STAFF GUAGE	

Location		TIME SAMPLED	ULI ID NO.
H	MV	WEATHER CONDITION:	
EMPERATURE	C OR F		
PH	STD.UNITS	APPEARANCE / OBSERVATIONS	
PEC. CON.	UMHOS/CM	DO	MG/L
TURB	NTU	STAFF GUAGE	

Syracuse China Landfill

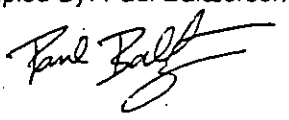
Gas Monitoring

6/28/2004

LOCATION	H2S (ppm)	LEL (%)	TIME
GV - 1	0	0	2:35 PM
GV - 2	0	0	2:25 PM
GV - 3	0	0	2:17 PM
GV -4	0	0	2:30 PM
GV-5	0	0	3:10 PM
GV - 6	0	0	3:15 PM
GV - 7	0	0	2:00 PM
TG - 1	0	0	2:45 PM
TG - 2	0	0	2:12 PM
TG - 3	0	0	2:05 PM
TG - 4	0	0	3:20 PM
TG - 5	0	0	3:05 PM
TG - 6	0	0	2:55 PM

METER: BW Technologies Gas Alert Max / Model: GAMAX 3-4

Sampled By: Paul Baltzersen



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
ROUX ASSOCIATES, INC	SYRACUSE CHINA LANDFILL
Client Contact / **Phone #**	**Location (city/state) Address**
MEREDITH HARRIS	SYRACUSE, NY

Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only (104/04/252)	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
MW-1	6/29/04	11:00A	H2O	GRAB	001	(1)	X	X									
MW-2		9:30A	H2O	GRAB	002	(1)	X	X									
MW-5		9:45A	H2O	GRAB	003	(1)	X	X									
MW-6		11:10A	H2O	GRAB	004	(1)	X	X									
MW-8		10:15A	H2O	GRAB	005	(1)	X	X									
MW-10		10:00A	H2O	GRAB	006	(1)	X	X									
SW-1		10:25A	H2O	GRAB	007	(1)	X	X									
SW-2	↓	10:20A	H2O	GRAB	008	(1)	X	X									

	Parameter and Method	Sample bottle: Type	Size	Preservative
1	FIELD PH,EH,SPEC. CON,TURB,TEMP	n/a	n/a	none
2	Pb by low level	plastic	500ml	HNO3
3				
4				
5				
6				
7				
8				
9				
10				

Sampled by (Print): PAUL BALTZERSEN
Company: Upstate Laboratories, Inc.
Name of Courier

Relinquished by: (sign)	Date	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Rec'd for Lab by:
[signature]	6/29/04	1132 A	[signature]

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

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-

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

Monday, October 04, 2004

RE: Syracuse China Landfill

Order No.: U0409370

Dear Ms. Meredith Harris:

Upstate Laboratories, Inc. received 8 sample(s) on 9/16/04 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

Anthony J. Scala
Director

Upstate Laboratories, Inc.

Date: *04-Oct-04*

CLIENT: Roux Associates, Inc. **Lab Order:** U0409370
Project: Syracuse China Landfill

Lab ID: U0409370-001 **Collection Date:** 9/16/04 11:05:00 AM
Client Sample ID: MW-1 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	618	1.0		umhos/cm		9/16/04 11:05:00 AM
Eh	-65			mV		9/16/04 11:05:00 AM
pH	7.86	6.5-8.5		SU		9/16/04 11:05:00 AM
Temperature	18.2			degC		9/16/04 11:05:00 AM
Turbidity	1.83	5.0		NTU		9/16/04 11:05:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	9/22/04 9:00:00 AM

Lab ID: U0409370-002 **Collection Date:** 9/16/04 10:10:00 AM
Client Sample ID: MW-2 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	1086	1.0		umhos/cm		9/16/04 10:10:00 AM
Eh	-80			mV		9/16/04 10:10:00 AM
pH	8.11	6.5-8.5		SU		9/16/04 10:10:00 AM
Temperature	20.1			degC		9/16/04 10:10:00 AM
Turbidity	2.73	5.0		NTU		9/16/04 10:10:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	9/22/04 9:00:00 AM

Lab ID: U0409370-003 **Collection Date:** 9/16/04 10:20:00 AM
Client Sample ID: MW-5 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	1220	1.0		umhos/cm		9/16/04 10:20:00 AM
Eh	-80			mV		9/16/04 10:20:00 AM
pH	8.12	6.5-8.5		SU		9/16/04 10:20:00 AM
Temperature	19.5			degC		9/16/04 10:20:00 AM
Turbidity	3.96	5.0		NTU		9/16/04 10:20:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	9/22/04 9:00:00 AM

Approved By: TC **Date:** 10-4-04

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *04-Oct-04*

CLIENT: Roux Associates, Inc. **Lab Order:** U0409370
Project: Syracuse China Landfill

Lab ID: U0409370-004 **Collection Date:** 9/16/04 9:50:00 AM
Client Sample ID: MW-6 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	1153	1.0		umhos/cm		9/16/04 9:50:00 AM
Eh	-85			mV		9/16/04 9:50:00 AM
pH	8.24	6.5-8.5		SU		9/16/04 9:50:00 AM
Temperature	20.9			degC		9/16/04 9:50:00 AM
Turbidity	8.82	5.0		NTU		9/16/04 9:50:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	9/22/04 9:00:00 AM

Lab ID: U0409370-005 **Collection Date:** 9/16/04 10:45:00 AM
Client Sample ID: MW-8 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	2810	1.0		umhos/cm		9/16/04 10:45:00 AM
Eh	-42			mV		9/16/04 10:45:00 AM
pH	7.39	6.5-8.5		SU		9/16/04 10:45:00 AM
Temperature	19.6			degC		9/16/04 10:45:00 AM
Turbidity	32.9	5.0		NTU		9/16/04 10:45:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	9/22/04 9:00:00 AM

Lab ID: U0409370-006 **Collection Date:** 9/16/04 10:35:00 AM
Client Sample ID: MW-10 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	2540	1.0		umhos/cm		9/16/04 10:35:00 AM
Eh	-70			mV		9/16/04 10:35:00 AM
pH	7.88	6.5-8.5		SU		9/16/04 10:35:00 AM
Temperature	21.9			degC		9/16/04 10:35:00 AM
Turbidity	36.7	5.0		NTU		9/16/04 10:35:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	9/22/04 9:00:00 AM

Approved By: TC **Date:** 10-4-04

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *04-Oct-04*

CLIENT: Roux Associates, Inc. **Lab Order:** U0409370
Project: Syracuse China Landfill

Lab ID: U0409370-007 **Collection Date:** 9/16/04 10:30:00 AM
Client Sample ID: SW-1 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	1797	1.0		umhos/cm		9/16/04 10:30:00 AM
Eh	-70			mV		9/16/04 10:30:00 AM
pH	7.94	6.5-8.5		SU		9/16/04 10:30:00 AM
Temperature	22.1			degC		9/16/04 10:30:00 AM
Turbidity	7.01	5.0		NTU		9/16/04 10:30:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	9/22/04 9:00:00 AM

Lab ID: U0409370-008 **Collection Date:** 9/16/04 10:50:00 AM
Client Sample ID: SW-2 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	848	1.0		umhos/cm		9/16/04 10:50:00 AM
Eh	-60			mV		9/16/04 10:50:00 AM
pH	7.78	6.5-8.5		SU		9/16/04 10:50:00 AM
Temperature	22			degC		9/16/04 10:50:00 AM
Turbidity	10.6	5.0		NTU		9/16/04 10:50:00 AM
LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	0.008	0.001		mg/L	1	9/22/04 9:00:00 AM

Approved By: TC **Date:** 10-4-04

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	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**

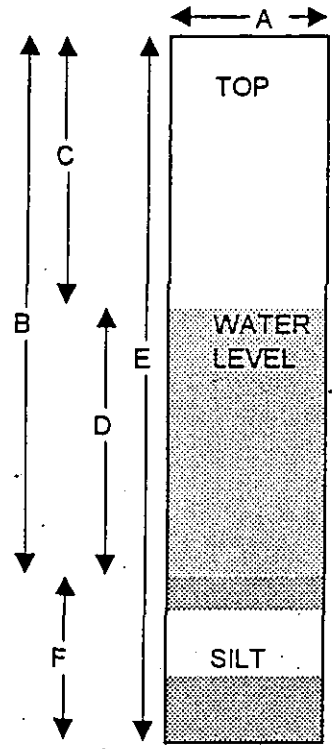
Condition of Well: GOOD

Locked: NO

Method of Evacuation: DEDICATED BAILER

Lock ID: N/A

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	24.5	feet
C.	Depth to Water	15.18	feet
D.	Length of Water Column (calculated)	9.32	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.4912	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	4.4736	gallons
	Actual Volume Evacuated	7	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	9/15/2004	9/16/2004
Time	1:15 PM	11:05 AM
EH	-60	-65
Temperature	21.5 c	18.2 c
pH	7.75	7.86
Specific Cond.	822	618
Turbidity	7.03	1.83
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear
Weather:	75 f sunny	75 f sunny
Observations:		

% Recharge:

Initial Depth to Water 15.18 feet

Recharge Depth to Water 15.32 *feet*

2nd water column height 98.4979 %

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

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**

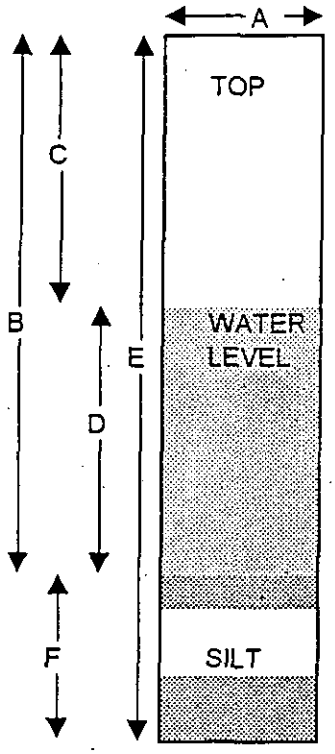
ULI ID No. (enter by lab)

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	5.97	feet
D.	Length of Water Column (calculated)	7.13	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.1408	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	3.4224	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	9/15/2004	9/16/2004
Time	10:45 AM	10:10 AM
EH	-85	-80
Temperature	20.8 c	20.1 c
pH	8.27	8.11
Specific Cond.	1082	1086
Turbidity	3.69	2.73
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water 5.97 feet

Recharge Depth to Water 5.03 feet

2nd water column height 113.184 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

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

Weather: 75 f sunny 75 f sunny

Observations:

Sampler: Paul Baltzersen

Signature: Paul Balt

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)

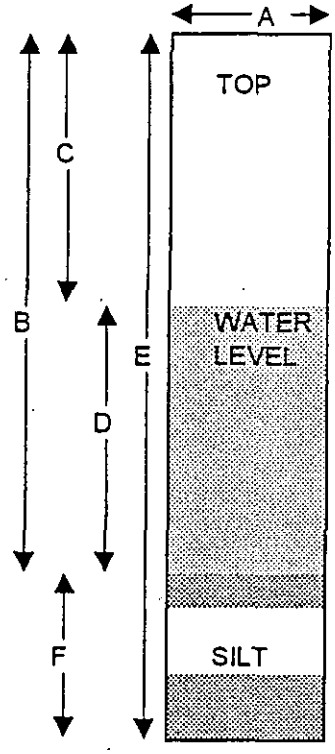
Condition of Well: GOOD

Locked: NO

Method of Evacuation: DEDICATED BAILER

Lock ID: N/A

Method of Sampling: DEDICATED BAILER



A.	*Diameter of Well*	2"	*inches*
B.	Well Depth Measured	13.4	feet
C.	Depth to Water	3.01	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	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	9/15/2004	9/16/2004
Time	11:20 AM	10:20 AM
EH	-75	-80
Temperature	21.7 c	19.5 c
pH	8.03	8.12
Specific Cond.	1163	1220
Turbidity	4.15	3.96
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear
Weather:	75 f sunny	75 f sunny
Observations:		

% Recharge:

Initial Depth to Water 3.01 feet

Recharge Depth to Water 3.04 feet

2nd water column height 99.7113 %

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

Signature: Paul Baltz

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

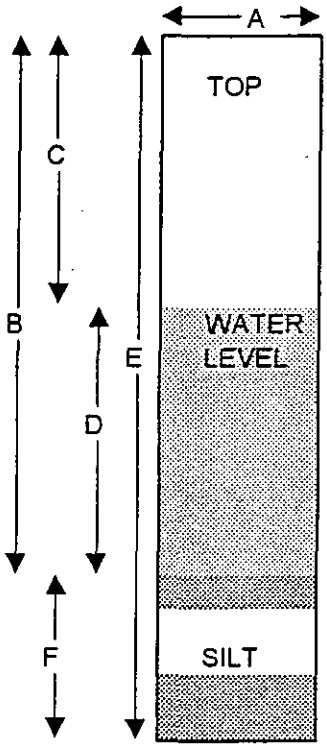
Condition of Well: GOOD

Locked: NO

Method of Evacuation: 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	4.84	feet
D.	Length of Water Column (calculated)	10.52	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.6832	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	5.0496	gallons
	Actual Volume Evacuated	10	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	9/15/2004	9/16/2004
Time	10:30 AM	9:50 AM
EH	-100	-85
Temperature	19.2 c	20.9 c
pH	8.57	8.24
Specific Cond.	901	1153
Turbidity	17.7	8.82
Dissolved Oxygen	N/A	N/A
Appearance	slightly cloudy	clear

% Recharge:

Initial Depth to Water 4.84 feet

Recharge Depth to Water 4.98 feet

2nd water column height 98.6692 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

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

Weather: 75 f sunny 75 f sunny

Observations:

Sampler: Paul Baltzersen

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-8

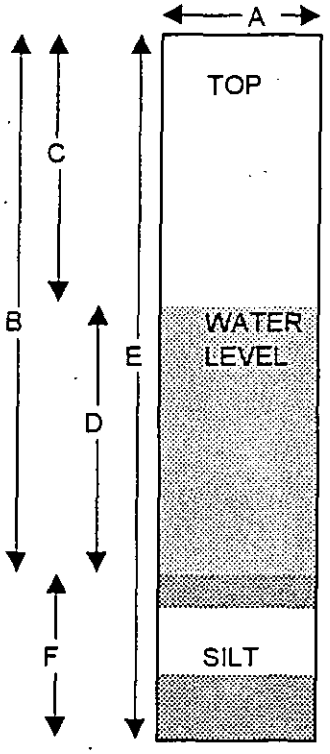
Condition of Well: GOOD

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	4.47	feet
D.	Length of Water Column (calculated)	16.26	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	2.6016	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	7.8048	gallons
	Actual Volume Evacuated	12	*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	9/15/2004	9/16/2004
Time	12:30 PM	10:45 AM
EH	-35	-42
Temperature	18.1 c	19.6 c
pH	7.25	7.39
Specific Cond.	2920	2810
Turbidity	13.7	32.9
Dissolved Oxygen	N/A	N/A
Appearance	slightly cloudy	slightly cloudy
Weather:	75 f sunny	75 f sunny
Observations:		

% Recharge:

Initial Depth to Water 4.47 feet

Recharge Depth to Water 4.43 feet

2nd water column height 100.246 %

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

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-10**

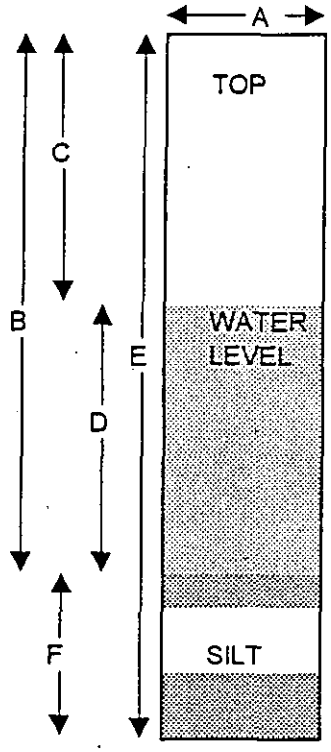
Condition of Well: GOOD

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	2.52	feet
D.	Length of Water Column (calculated)	10.48	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.6768	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	5.0304	gallons
	Actual Volume Evacuated	10	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	9/15/2004	9/16/2004
Time	12:00 PM	10:35 AM
EH	-65	-70
Temperature	20.8 c	21.9 c
pH	7.79	7.88
Specific Cond.	2500	2540
Turbidity	6.28	36.7
Dissolved Oxygen	N/A	N/A
Appearance	clear	slightly cloudy
Weather:	75 f sunny	75 f sunny
Observations:		

% Recharge:

Initial Depth to Water 2.52 feet

Recharge Depth to Water 2.52 feet

2nd water column height 100 %

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

Signature: Paul Baltzersen

Upstate Laboratories, Inc.

Tap Water / Surface Water / Wastewater Field Log

Client: Roux Associates, Inc.

Sampler (print): Paul Baltzersen

Project: Syracuse China Landfill

Signature: [signature]

Date: 9/16/2004

Location	Surface Water 1	TIME SAMPLED	10:30 AM
		ULI ID. NO.	
EH	-70 MV	WEATHER CONDITION:	75 f sunny
TEMPERATURE	22.1 C		
PH	7.94 STD.UNITS	APPEARANCE / OBSERVATIONS	clear
SPEC. CON.	1797 UMHOS/CM	DO	n/a MG/L
TURB	7.01 NTU	STAFF GUAGE	N/a

Location	Surface Water 2	TIME SAMPLED	10:50 AM
		ULI ID. NO.	
EH	-60 MV	WEATHER CONDITION:	75 f sunny
TEMPERATURE	22 C		
PH	7.78 STD.UNITS	APPEARANCE / OBSERVATIONS	clear
SPEC. CON.	848 UMHOS/CM	DO	n/a MG/L
TURB	10.6 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	

Syracuse China Landfill

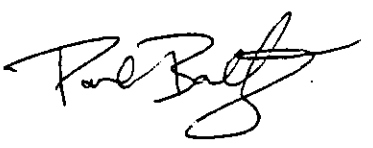
Gas Monitoring

9/16/2004

LOCATION	H2S (ppm)	LEL (%)	TIME
GV - 1	0	0	11:40 AM
GV - 2	0	0	11:53 AM
GV - 3	0	0	12:05 PM
GV -4	0	0	11:57 AM
GV-5	0	0	11:34 AM
GV - 6	0	0	11:23 AM
GV - 7	0	0	11:18 AM
TG - 1	0	0	11:48 AM
TG - 2	0	0	12:10 PM
TG - 3	0	0	11:15 AM
TG - 4	0	0	11:25 AM
TG - 5	0	0	11:30 AM
TG - 6	0	0	11:44 AM

METER: BW Technologies Gas Alert Max / Model: GAMAX 3-4

Sampled By: Paul Baltzersen



Upstate Laboratories, Inc. Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

Client: ROUX ASSOCIATES, INC

Project # / Project Name: SYRACUSE CHINA LANDFILL

Client Contact: MEREDITH HARRIS

Phone #:

Location (city/state) Address: SYRACUSE, NY

Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only L10409370	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
MW-1	9-16-04	11:05A	H2O	GRAB	001	(1)	X	X									
MW-2	9-16-04	10:10A	H2O	GRAB	002	(1)	X	X									
MW-5	9-16-04	10:20A	H2O	GRAB	003	(1)	X	X									
MW-6	9-16-04	9:50A	H2O	GRAB	004	(1)	X	X									
MW-8	9-16-04	10:45A	H2O	GRAB	005	(1)	X	X									
MW-10	9-16-04	10:35A	H2O	GRAB	006	(1)	X	X									
SW-1	9-16-04	10:30A	H2O	GRAB	007	(1)	X	X									
SW-2	9-16-04	10:50A	H2O	GRAB	008	(1)	X	X									

	Parameter and Method	Sample bottle: Type	Size	Preservative
1	FIELD PH,EH,SPEC. CON,TURB,TEMP	n/a	n/a	none
2	Pb by low level	plastic	500ml	HNO3
3				
4				
5				
6				
7				
8				
9				
10				

Sampled by (Print): PAUL BALTZERSEN

Company: Upstate Laboratories, Inc.

Name of Courier:

	Date	Time	
Relinquished by: (sign)			Received by: (sign)
Relinquished by: (sign)			Received by: (sign)
Relinquished by: (sign)	9/16/04	11:20 A	Rec'd for Lab by:

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

END

OF

DOCUMENT