RocTerra

March 21, 2013

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

Re: Annual Landfill Inspection Report (Year 9)
Syracuse China Landfill
Town of Salina, Onondaga County, New York
NYSDEC Site Number 7-34-053

Dear Mr. Grathwol:

Rocterra, LLC (Rocterra), on behalf of TPC-York Inc. (TPC-York), has prepared this letter report to summarize the required monitoring and sampling activities completed at the Syracuse China Landfill located in the Town of Salina, Onondaga County, New York (Site No. 7-34-053). In accordance with New York State Department of Environmental Conservation (NYSDEC) requirements, activities for the ninth year of Operations, Monitoring and Maintenance (OM&M) were performed at the site. Activities included monitoring well repair, groundwater sampling and a landfill inspection. In accordance with the OM&M Plan prepared by Remedial Engineering, PC dated September 25, 2003 and the schedule approved by NYSDEC, the following activities were performed:

- Monitoring well repair;
- Water-level gauging and collection of groundwater samples from monitoring wells MW-1, MW-2, MW-5, MW-6, MW-8 and MW-10 for lead analysis;
- Inspection of key site features including the landfill surface, vegetation, fence, access road and drainage features such as rip rap swales and energy dissipaters; and
- Maintenance activities.

Sampling activities and results are discussed in greater detail below. Supporting figures and documentation are included at the end of this report.

Rocterra 149 Gregory Street, Rochester, NY 14620 p | 585.698.6842

SAMPLING ACTIVITIES

Groundwater sampling was performed on November 7, 2012. Groundwater levels were gauged and samples were collected from monitoring wells MW-1, MW-2, MW-5, MW-6, MW-8 and MW-10. All wells were purged using manual purge techniques. All samples were analyzed for lead.

The Site location and site features are represented in figures 1, 2 and 3. A Groundwater Sampling Map showing the location of the sampled monitoring wells is provided as Figure 3. The results of the sampling activities are summarized in the Site Monitoring, Inspection and Maintenance Forms provided in Appendix A. Laboratory analytical reports are provided in Appendix B.

Sample results from the November 2012 groundwater sampling event indicate that lead was not detected above the laboratory detection limit in any of the sampled monitoring wells.

A summary of sample results is provided below.

Monitoring Well Identification	TOGS 1.1.1 Standard (mg/L)	11/7/2012 (mg/L)
MW-1	0.025	<0.010
MW-2	0.025	<0.010
MW-5	0.025	<0.010
MW-6	0.025	<0.010
MW-8	0.025	<0.010
MW-10	0.025	<0.010

< = Not detected above the laboratory reporting limit

LANDFILL MONITORING

Rocterra conducted an inspection of the landfill and surrounding site areas on November 2 and November 7, 2012. Rocterra personnel inspected site vegetation at the eastern portion of the site, the landfill cap surface and the northern wetlands for any signs of erosion or significant settlement. Rocterra also inspected the swales, drop chute, energy dissipation structures, permanent landfill gas vents GV-1 through GV-7, fencing, access road and Syracuse China signs for erosion, blockage or other damage. The results of Rocterra's inspection activities are summarized in the Site Monitoring, Inspection and Maintenance Forms, provided as Appendix A. Photographs showing the condition of key site features are provided as Appendix C. A site plan showing key site features is provided as Figure 2.

Rocterra's inspection indicated that the site was generally in good condition with no significant erosion or differential settlement. The landfill surface was observed to be entirely stabilized with vegetation. The landfill drainage swales, drop chute and energy dissipation structures were observed to be in good condition with no significant blockage or washout. The permanent gas vents were also observed to be in good condition. The site access road was observed to be generally clear of vegetation, obstructions or significant rutting. The site fence was observed to be in good condition; however, vegetation overgrowth was observed periodically along the east, south and west fence line and there were two breaches on the east and west fence line. The signs on the fence within the Factory Avenue right-of-way were unobstructed.

MAINTENANCE ACTIVITIES PERFORMED

Monitoring Well Repair

Monitoring well MW-8 was damaged when the well was struck by a Mueller Farms Landscaping Co. mower during their onsite mowing/weed-whacking activities conducted in October 2011. On September 28, 2012 Rocterra subcontracted NYEG Drilling, LLC (NYEG) to repair the well. An approximately three-foot diameter area was excavated around monitoring well MW-8. The damaged steel protective casing and damaged 2" Poly Vinyl Chloride (PVC) well riser was cut away approximately 1.5' below grade. A new 2" PVC riser section was attached to the well using a PVC coupler. A replacement steel riser was welded in place. The liner boot was then secured using a rubber coupler in order to restore the liner integrity. The excavated area was backfilled with native material and finished with topsoil. This area will be monitored in the spring to ensure that vegetation is reestablished in the area and there is no significant erosion. Monitoring well MW-8 was then re-surveyed to a common datum point (MW-10). Survey elevation points are summarized in Appendix A, Table 1. Photographs documenting the repair activities are included within Appendix C.

Mowing and Weed-Whacking

Annual mowing and weed-whacking activities were completed by Foxscapes Landscaping on October 3, 4, November 2 and 7, 2012. Mowing was conducted on the landfill surface, within the eastern portion of the site (outside of wetland areas) and along the access road. Mowing and weed-whacking were conducted within the landfill surface swales to remove woody growth. Photographs documenting the landscaping activities are included within Appendix C.

PROPOSED YEAR 10 (2013) OM&M AND MAINTENANCE ACTIVITIES

Fence Repair

Two breaches in the fence line were observed during the 2012 site inspection. Repair activities are anticipated to be performed in March 2013 pending acceptable weather.

Mowing and Weed-Whacking

In accordance with the OM&M Plan, the landfill will require annual mowing and weed-whacking in fall 2013 to prevent woody vegetation growth on the landfill cap and within the drainage swales. Vegetation overgrowth along the east, south and west fence line

will be addressed concurrently with the fall 2013 mowing and weed-whacking mobilization or earlier.

Annual Landfill Inspection

In accordance with the OM&M Plan, an inspection of the landfill is proposed for Year 10 of OM&M. The annual inspection is scheduled to be conducted in October 2013.

PROPOSED AMENDMENTS

Groundwater Monitoring

TPC-York is requesting that the groundwater sampling frequency be amended to a fifteen month monitoring period. This request is based on groundwater monitoring results to date. Lead concentrations in groundwater samples collected during 2009, 2010, 2011, and 2012 were all below the laboratory detection limit for lead in groundwater.

Subject to the NYSDEC's decision with regard to TPC-York's request relative to groundwater sampling frequency, the next sampling event is scheduled to be performed in February 2014. Pending review of the proposed schedule, this event is currently planned to include water-level gauging and collection of groundwater samples from monitoring wells MW-1, MW-2, MW-5, MW-6, MW-8 and MW-10 for lead analysis. In accordance with NYSDEC requirements, the groundwater samples will not be filtered in the laboratory prior to lead analysis.

Periodic Review Report

The last Periodic Review Report (PRR) was completed in November 2011. TPC-York has requested that the PRR schedule be amended to a five year frequency. The site is not currently active and site maintenance/activities are limited to the items reported above with no anticipated changes in site use.

Subject to the NYSDEC's decision with regard to TPC-York's request to amend the PRR submittal frequency, the next submission is scheduled to be completed in December 2016.

Please call the undersigned with any questions regarding this report.

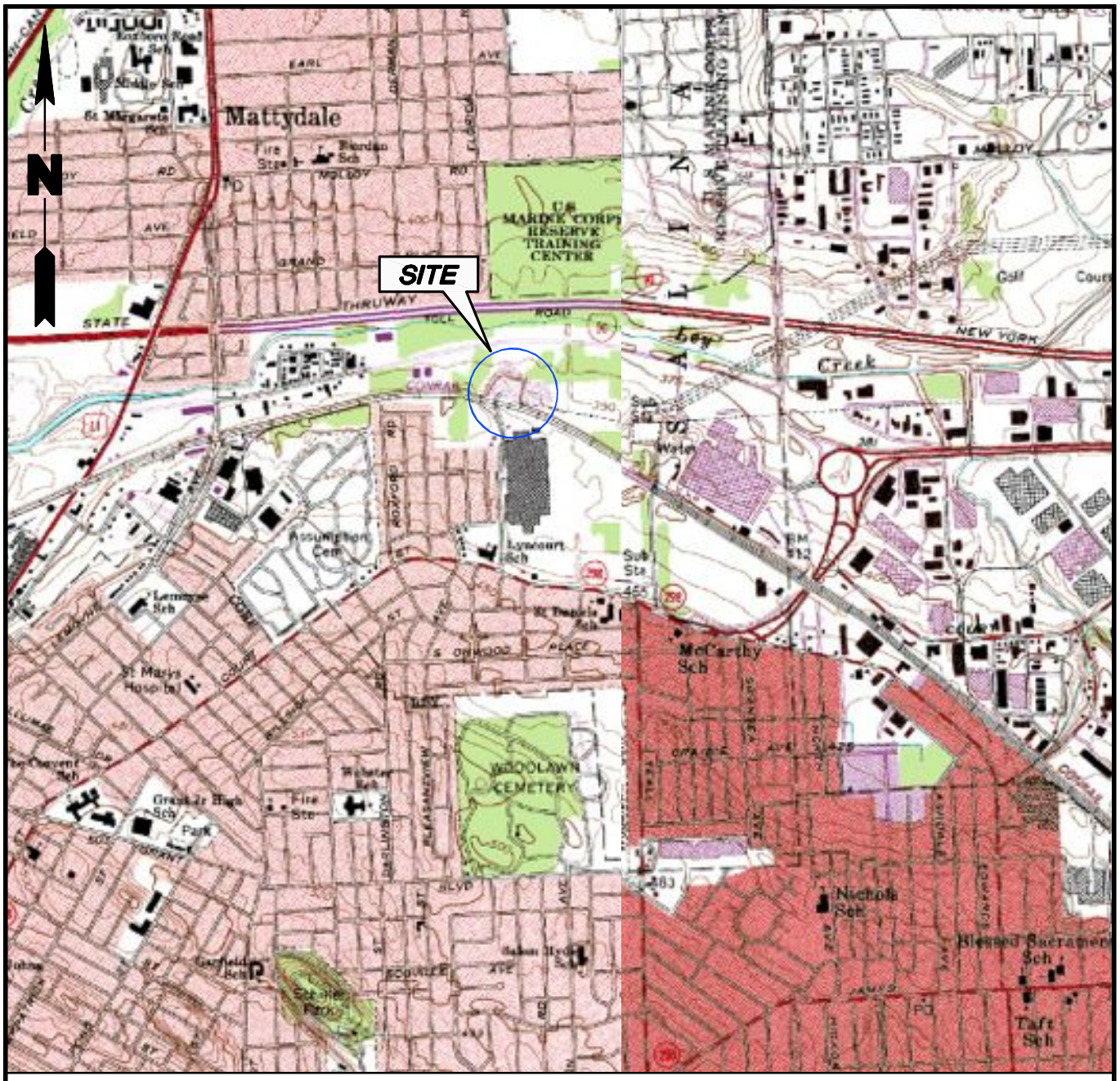
Attachments:	**Figure 1:**	Site Location Map
	Figure 2:	Site Plan
	Figure 3:	Groundwater Sampling Map
	Appendix A:	Site Monitoring, Inspection and Maintenance Forms
	Appendix B:	Laboratory Analytical Report
	Appendix C:	Photographs

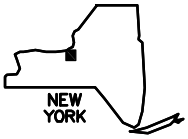
3/21/2013
Date

Alexander Wirth
Principal, Senior Geologist

Rocterra 149 Gregory Street, Rochester, NY 14620 **p** | 585.698.6842

FIGURES





SOURCE

U.S.G.S. SYRCAUSE EAST AND WEST, NEW YORK QUADRANGLES
7.5 MINUTES SERIES (TOPOGRAPHIC)

Title:

SITE LOCATION MAP

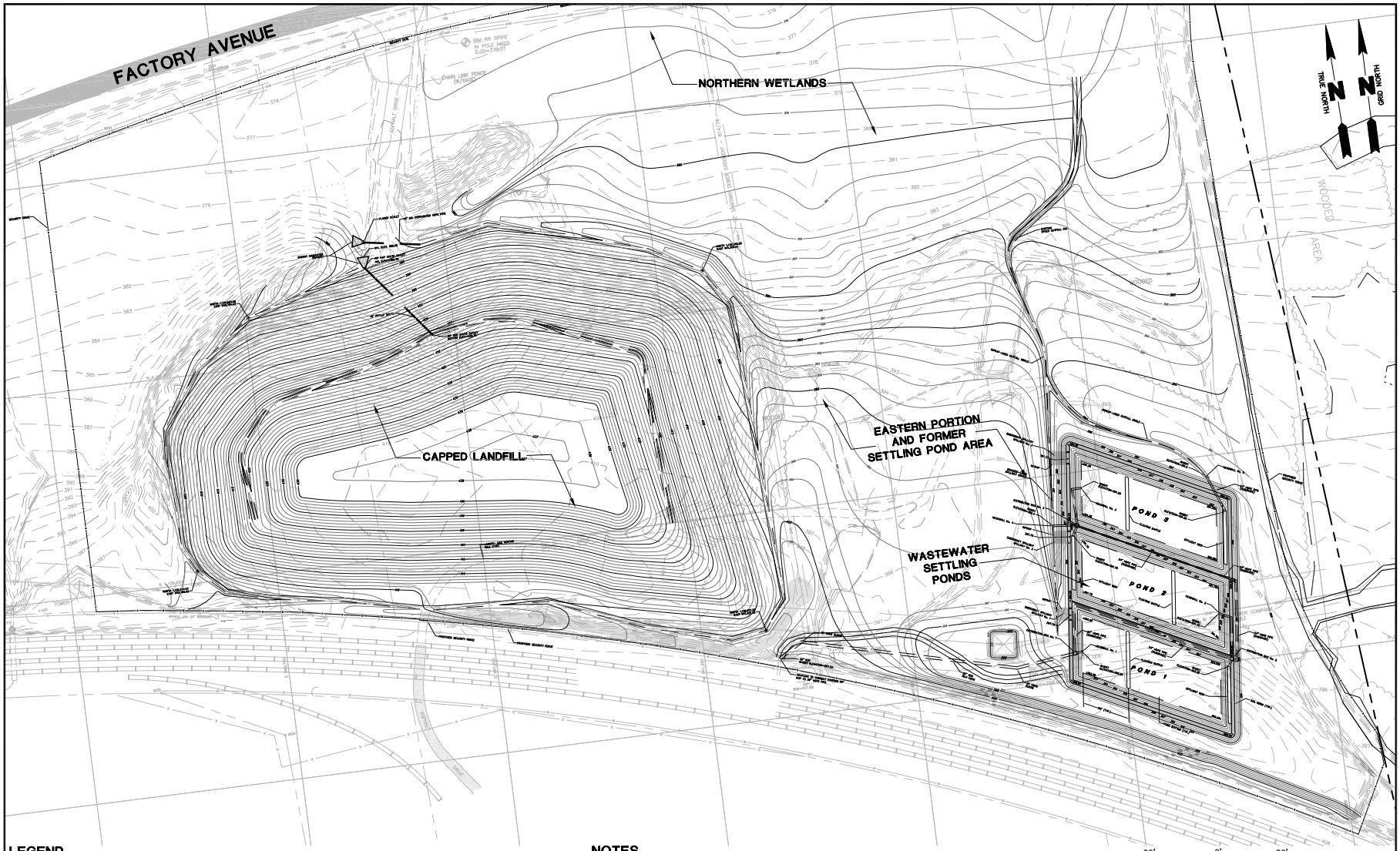
SYRACUSE CHINA LANDFILL
TOWN OF SALINA, ONONDAGA COUNTY, NEW YORK

Prepared For:

PFALTZGRAFF CO.

RocTerra

Compiled by: MMH	Date: 06/23/00	FIGURE
Prepared by: JSG	Scale: AS SHOWN	1
Project Mgr: PG	Office: NJ	
File No: 57701070	Project: 57701E	



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.=36" — EXISTING PIPE INVERT ELEVATION
- 36" CMP — EXISTING CORRUGATED METAL PIPE WITH DIAMETER

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.

Title:

Site Plan

TOWN OF SALINA, ONONDAGA COUNTY, NEW YORK

Prepared For:

THE PFALTZGRAFF CO.

RocTerra

FIGURE 2

Google Earth Pro

feet 1000
meters 400

RocTerra

Groundwater Sampling Map

Figure 3

APPENDIX A

Table 1
MONITORING WELL GAUGING, GROUNDWATER ANALYTICAL AND MONITORING DATA

Annual Landfill Inspection Report
Syracuse China Landfill
Town of Salina, Onondaga County, New York
NYSDEC Site Number 7-34-053

Sample ID	Date	Sample Time	Depth to Water (Feet)	Depth to Bottom (Feet)	Top of Casing Elevation (Feet, Mean Sea Level)	Corrected Groundwater Elevation (Feet, Mean Sea Level)	Lead (mg/l)	Conductivity (mS/cm)	Dissolved Oxygen (PPM)	pH	Temperature (Celcius)	Turbidity (NTU's)
NYSDEC Standards							**0.025**					
MW-1	11/7/12	14:30	21.78	25.3	400.8	379.02	<0.010	0.95	6.55	7.16	11.4	13.2
MW-2	11/7/12	14:00	5.32	13.3	391.2	385.88	<0.010	1.04	2.01	7.3	12.3	2.89
MW-5	11/7/12	15:30	5.13	13.4	387.4	382.27	<0.010	1.11	5.65	7.33	10.1	7.21
MW-6	11/7/12	13:00	4.73	17.0	411.3	406.57	<0.010	0.69	4.62	7.42	12	13.1
MW-8	11/7/12	17:00	7.15	23.0	388.7*	381.55	<0.010	3.07	2.24	6.88	9	9.67
MW-10	11/7/12	16:30	3.30	17.0	379.1	375.80	<0.010	2.84	2.49	6.84	11.1	14.2

Notes:
<1.0 - Not detected at or above the laboratory reporting limit shown.
NYSDEC Standards and Guidance Values - New York State Department of Environmental Conservation Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values, June 1998 and Addendum April 2000
* Revised elevation datum. Original TOC elevation= 387.9'

Table 2
INSPECTION AND MAINTENANCE FORM

Annual Landfill Inspection Report
Syracuse China Landfill
Town of Salina, Onondaga County, New York
NYSDEC Site Number 7-34-053

Item	Action	Notes	Corrective Action Suggested
MW-1	Groundwater sampling, inspect for damage	NA	None
MW-2	Groundwater sampling, inspect for damage	NA	None
MW-5	Groundwater sampling, inspect for damage	NA	None
MW-6	Groundwater sampling, inspect for damage	NA	None
MW-8	Groundwater sampling, inspect for damage	Repairs made in 2012	Monitor vegetation growth within repair area, Spring 2013
MW-10	Groundwater sampling, inspect for damage	NA	None
GV-1	Inspect for damage	NA	Annual inspection scheduled for October 2013
GV-2	Inspect for damage	NA	Annual inspection scheduled for October 2013
GV-3	Inspect for damage	NA	Annual inspection scheduled for October 2013
GV-4	Inspect for damage	NA	Annual inspection scheduled for October 2013
GV-5	Inspect for damage	NA	Annual inspection scheduled for October 2013
GV-6	Inspect for damage	NA	Annual inspection scheduled for October 2013
GV-7	Inspect for damage	NA	Annual inspection scheduled for October 2013
Landfill Cap	Inspect vegetation, inspect for errosion, inspect for significant/differential settling, mowing	NA	Landscaping/mowing scheduled for October 2013
Northern Wetland	Inspect vegetation	NA	Annual inspection scheduled for October 2013
Swales	Inspect for damage/blockage, weed wacking	NA	Landscaping/weedwacking scheduled for October 2013
Drop Chute	Inspect for damage/blockage, weed wacking	NA	Landscaping/weedwacking scheduled for October 2013
Access Road (via Factory Ave)	Inspect for erosion, rutting, mowing	NA	Landscaping/mowing scheduled for October 2013/as needed
Fence	Inspect integrity, inspect for significant vegetation	Two breaches observed	Fence repair activities are scheduled for March 2013
Signs	Inspect for vegetation/visual impairment	NA	Annual inspection scheduled for October 2013

Notes:
NA- Not Applicable

APPENDIX B

November 27, 2012 Service Request No: R1207702

Mr. Alex Wirth
RocTerra LLC
149 Gregory Street
Rochester, NY 14620

Laboratory Results for: Syracuse China/26397

Dear Mr. Wirth:

Enclosed are the results of the sample(s) submitted to our laboratory on November 8, 2012. For your reference, these analyses have been assigned our service request number **R1207702**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7473. You may also contact me via email at Deb.Patton@alsglobal.com.

Respectfully submitted,

Columbia Analytical Services, Inc. dba ALS Environmental

Deb Patton
Project Manager

Columbia Analytical Services
ADDRESS 1565 Jefferson Rd, Building 300, Suite 360, Rochester, NY 14623
PHONE 585-288-5380 : FAX 585-288-8475
Columbia Analytical Services, Inc.
Part of the ALS Group A Campbell Brothers Limited Company
Environmental www.caslab.com • www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: R1207702

Lab ID	Client ID
R1207702-001	MW-1
R1207702-002	MW-2
R1207702-003	MW-5
R1207702-004	MW-6
R1207702-005	MW-8
R1207702-006	MW-10

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

ALS Environmental

REPORT QUALIFIERS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.

ACCREDITED IN ACCORDANCE WITH nelac

Rochester Lab ID # for State Certifications[1]

NELAP Accredited	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Connecticut ID # PH0556	Nebraska Accredited	
Delaware Accredited	Nevada ID # NY-00032	North Carolina #676
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047		Virginia #460167

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to http://alsglobal.com/environmental/laboratories/rochester-environmental-lab.aspx

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
Analytical Report

Client:	RocTerra LLC	**Service Request:**	R1207702
Project:	Syracuse China/26397	**Date Collected:**	11/ 7/12
Sample Matrix:	Water	**Date Received:**	11/ 8/12
Prep Method:	EPA 3010A	**Units:**	mg/L
Analysis Method:	6010C	**Basis:**	NA

Lead, Total

Sample Name	Lab Code	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
MW-1	R1207702-001	0.010	U	0.010	1	11/14/12	11/21/12 16:06	
MW-2	R1207702-002	0.010	U	0.010	1	11/14/12	11/21/12 17:16	
MW-5	R1207702-003	0.010	U	0.010	1	11/14/12	11/21/12 17:23	
MW-6	R1207702-004	0.010	U	0.010	1	11/14/12	11/21/12 17:29	
MW-8	R1207702-005	0.010	U	0.010	1	11/14/12	11/21/12 17:34	
MW-10	R1207702-006	0.010	U	0.010	1	11/14/12	11/21/12 17:40	
Method Blank	R1207702-MB	0.010	U	0.010	1	11/14/12	11/21/12 16:12	

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: RocTerra LLC
Project: Syracuse China/26397
Sample Matrix: Water

Service Request: R1207702
Date Analyzed: 11/21/12

Lab Control Sample Summary
Inorganic Parameters

Units: mg/L
Basis: NA

Lab Control Sample
R1207702-LCS

Analyte Name	Method	Result	Spike Amount	% Rec	% Rec Limits
Lead, Total	6010C	0.500	0.500	100	80 - 120

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Columbia Analytical Services

SDG _____
PAGE 1 OF 1

Project Name: Syracuse China Project Number: Quote # 26297
Project Manager: Alex Wirth Company: RecTorro
Company/Address: 149 Gregory St. Phone: 585-698-6842
City, State, Zip: Rochester, NY 14620 P.O.#: CC account:
Sampler's Signature:

Sample I.D.	Location ID X Coord	Location ID Y Coord	Date	Time	LAB ID	Matrix	Number of Containers	Analysis Requested: Total Lead (6010B)					REMARKS
NSW-4			11/7/12	1430		GW	1	X					DO NOT FILTER
NSW-5			11/7/12	1400		GW	1	X					DO NOT FILTER
NSW-8			11/7/12	1530		GW	1	X					DO NOT FILTER
NSW-6			11/7/12	1500		GW	1	X					DO NOT FILTER
NSW-9			11/7/12	1700		GW	1	X					DO NOT FILTER
NSW-10			11/7/12	1630		GW	1	X					DO NOT FILTER

TURNAROUND REQUIREMENTS
___24 hr ___48 hr ___5 BD
_X_ Standard (15 BD)
___ Provide FAX Preliminary Results
Requested Report Date:

Invoice Information
P.O. # CC account:
Bill to: RecTorro

REPORT REQUIREMENTS
_____ I. Routine Report: Results and Method Blank (Surrogate, as required)
_X_ II. Results w/ QC (Dup., MS, MSD as req)
_____ III. Results (with QC and Calibration Summaries)
_____ IV. 65P-B
_____ V. CLP
_____ EDD:

Comments/Special Instructions:

DO NOT FILTER

PLEASE BE SURE TO USE 6010 AS THE REPORTING LIMIT

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Printed Name: Alex Wirth	Printed Name: Pat Bennett	Printed Name: Pat Bennett	Printed Name: Gregg Lefton
Firm: RecTorro	Firm: ALS	Firm: ALS	Firm: ALS
Date/Time: 11/8/12 1435	Date/Time: 11-8-12 1435	Date/Time: 11-8-12 1450	Date/Time: 11/8/12 1455

R1207702 5
Rectorro
Syracuse China

Cooler Receipt and Preservation Check Form

Project/Client Syracuse Chinn Folder Number R12-7702

Cooler received on 11/8/12 by: [initials] COURIER: (ALS) UPS FEDEX VELOCITY CLIENT

1. Were custody seals on outside of cooler? YES (NO)
2. Were custody papers properly filled out (ink, signed, etc.)? (YES) NO
3. Did all bottles arrive in good condition (unbroken)? (YES) NO
4. Did VOA vials, Alkalinity, or Sulfide have significant* air bubbles? YES NO (N/A)
5. Were **Ice** or **Ice packs** present? (YES) NO
6. Where did the bottles originate? (ALS/ROC) CLIENT
7. Soil VOA samples received as: Bulk Jar Encore TerraCore Lab5035set (N/A)
8. Temperature of cooler(s) upon receipt: 0.2° ____ ____ ____ ____

Is the temperature within 0° - 6° C?: (Y) N Y N Y N Y N Y N

If No, Explain Below Date/Time Temperatures Taken: 11/8/12 1459

Thermometer ID: (IR GUN#3) / IR GUN#4 Reading From: (Temp Blank) / Sample Bottle

If out of Temperature, note packing/ice condition &Client Approval to Run Samples:

All Samples held in storage location R-002	by [initials]	on 11/8/12	at 1459
5035 samples placed in storage location	by	on	at

PC Secondary Review: [signature]

Cooler Breakdown: Date: 11/8/12 Time: 1932 by: [initials]

1. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
2. Did all bottle labels and tags agree with custody papers? (YES) NO
3. Were correct containers used for the tests indicated? (YES) NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated (N/A)

Explain any discrepancies:

pH	Reagent	YES	NO	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3	✓		2DA2610235	9/13				
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For TCN Phenol and 522			If present, contact PM to add ascorbic acid Or sodium sulfite (522)					
	$Na_2S_2O_3$	-	-						
	Zn Aceta	-	-						
	HCl	*	*						

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: ________

*Not to be tested before analysis – pH tested and recorded by VOAs or GenChem on a separate worksheet

Bottle lot numbers: 082012-2HH

Other Comments:

PC Secondary Review: [signature]

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

APPENDIX C

Well Repair: MW-8

Site Photos

Facing Northwest

Cap: Facing Northeast

Access Road (Factory Ave): Facing South

Top Swale: Facing Northeast

Chute: Facing North

Bottom Swale: Facing West

Bottom Swale: Facing West

Breach: East Fence Line

Breach: West Fence Line