DAILY OBSERVATION REPORT

Day: _Wednesday__ Date: 10/03/2012_

Temperature: (F)	65	(am)	70	(pm)
Wind Direction:	calm	(am)	SW/5 mph	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) mostly cloudy, 65 F
(pm) partly cloudy, 70 F

Contract # D-007624

Lackawanna, New York

Arrive at site 8:50 (am)
Leave site: 1:00 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

Preliminary Site Work including baseline/topographic survey, geophysical utility survey, mark out and review locations with driller, etc.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Survey Subcontractor: Popli Design Group (PDG), survey crew: Bill Stratton, Nathan Dunn
Contractor equipment: GPS, survey van, etc.
Geophysical Subcontractors: NOVA Geophysics; Levent Eskicakit, Remzi Kalayciouglu
Contractor equipment: ground-penetrating radar, electromagnetic survey equipment, etc.
Drilling Subcontractor: GeoLogic NY; Steve Laramee
Engineer personnel: Jen Bouchard, PMP; Lynette Mokry, CHMM; Ben Young, P.E.

VISITORS TO SITE: NA

DAILY OBSERVATION REPORT **Day: _Wednesday__ Date: 10/03/2012_**

PROJECT SCHEDULE ISSUES:

- NA

PROJECT BUDGET ISSUES:

- NA

ITEMS OF CONCERN:

- Clearing is needed in NE corner of site to facilitate drill rig access. Alternate location proposed on Baker Hall property that would require additional access permission for permanent installation.

COMMENTS:

- Chris Druzbik, DPW Foreman onsite; gives building tour to EA staff. Tom Love, DPW Commissioner onsite late morning to review what we are doing.
- Contacted Baker Victory Services representative (Andy Madeja – 716-583-0668) prior to accessing the adjacent property to the East of site.

ATTACHMENT(S) TO THIS REPORT:

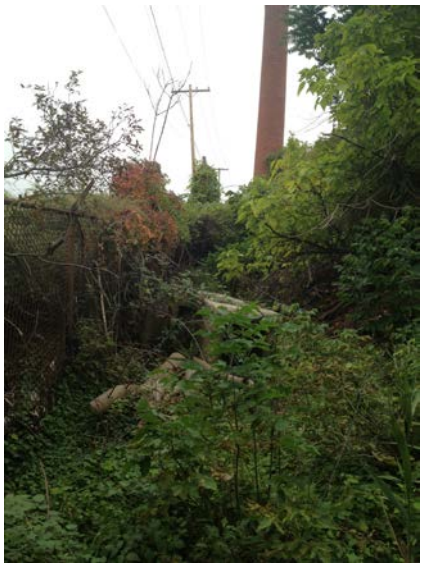
1. Photolog (additional photos available)
2. Punch List

SITE REPRESENTATIVE:

Name:

Signature:

PHOTOLOG:



View to S to originally proposed MW-05 location

View of fill materials exposed along eastern fenceline.

PUNCH LIST ITEMS:

- Clearing of vegetation and debris by city, NE corner of site
- Obtaining access for potential monitoring well installation on Baker Victory Services property.

INITIAL SITE SURVEY FORM

Date(s): 3 Oct 2012
Client: NYSDEC

Job Site: Lackawanna Incinerator Site
Survey Conducted by: L. Mokry

Potential Hazards	Location	Description	Comments
Physical	• all areas • roadways, around heavy equipment • creek	• slips, trips, + falls- debris, uneven surfaces, wet/icy surfaces, etc • temperature / weather • traffic control/awareness • utility clearance • possible drowning, even though low-flow + ~4' at deepest	• Worker diligence + appropriate PPE + SOPs. • appropriate clothing and rest breaks • fluorescent vest, etc, spotter when backing • buddy system, life vests near water.
Biological	• grassy / wooded areas	• ticks, spiders, etc • raccoons, skunks, etc • snakes ?	• self/buddy inspections • avoidance, buddy system • avoidance, buddy system • long pants, boots
Chemical	• Fill areas, wind depositional areas • Decon materials, Sample preservatives	• Heavy metals (especially lead, zinc, arsenic) and PAHs. • Possible petroleum or solvent hazards • Possible PCBs, pesticides, dioxins. • Acids (HNO_3, HCl, H_2SO_4) • Bases (NaOH) • Solvents (isopropanol)	• Dust suppression + monitoring • Proper PPE • NO eating on site. • Wash face and hands before eating, etc. • air monitoring for VOCs. • handle with caution, use proper PPE, avoid inhaling; wash hands + face before eating, etc.

Figure 12-1. Initial Site Survey Form.

DAILY OBSERVATION REPORT **Day: Wednesday Date: 10/24/2012**

Temperature: (F)	57	(am)	70	(pm)
Wind Direction:	NE	(am)	NE	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Overcast, Rain Showers
(pm) Overcast, Rain Showers

Contract # D-007624 Arrive at site 07:45 (am)

Lackawanna, New York Leave site: 15:00 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?				
	Soil	Yes ( )	n/a (X)	* No ( )
	Waters	Yes ( )	n/a (X)	* No ( )
	Air	Yes ( )	n/a (X)	* No ( )

OTHER ITEMS:

- *If No, provide comments*

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

• R. Peterson and C. Yarrington (EA) arrived on-site at 07:45 to perform surface soil sampling.

• Surface soil samples were collected at the proposed locations (refer to EA's RI Work Plan Figure 4 – Proposed RI Sampling Locations, October 2012) from the 0 to 2 inch depth interval. Samples were collected through the use of stainless steel bowls and sterilized scoops. All reused equipment was decontaminated between sample locations. The samples were homogenized by for all parameters, except VOCs. Samples were characterized by texture, composition, color, moisture content, odor, and PID readings, consistent with the Unified Soil Classification System (USCS). Samples were placed in appropriate sample containers, sealed, and submitted to Chemtech Consulting Group for analysis. See below section 'Sampling (Soil/Water/Air)' for sample IDs and analysis.

• D. Lyons (GeoLogic NY, Inc.) and gas utility representative arrived on-site at 09:00 to markout on-site utilities. A gas line leading from the southwest corner of the southern incinerator building to a main connection near the DPW mulch/salt storage building was unidentifiable. Utility representative will review utility schematics and return tomorrow to mark out gas line.

• GeoLogic will return tomorrow (10/25/2012) to begin direct-push soil borings.

• EA off-site at 15:00.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-SS-01	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-02	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-05	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-06	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-07	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-08	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-09	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-10	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-11	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-12	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-13	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-14	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-14(MS/MSD)	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-15	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-16	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-17	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-18	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SS-Duplicate	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel:

Contractor equipment:

Other Subcontractors:

Engineer personnel: Robert Peterson and Charles Yarrington (EA)

VISITORS TO SITE:

None

PROJECT SCHEDULE ISSUES:

None

PROJECT BUDGET ISSUES:
None

ITEMS OF CONCERN:
Utility company is currently identifying unknown gas line leading from the southwest corner of the southern incinerator building.

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

1. Photolog

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

PHOTOLOG:

Homogenizing samples in stainless steel bowl.

Collecting surface samples using bowl and scoop.

View of SS-14 sample location.

DAILY OBSERVATION REPORT **Day: Wednesday Date: 10/25/2012**

Temperature: (F)	62	(am)	77	(pm)
Wind Direction:	SSW	(am)	SSW	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Sunny
(pm) Sunny

Contract # D-007624

Lackawanna, New York

Arrive at site 08:45 (am)
Leave site: 17:15 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?				
	Soil	Yes ( )	n/a (X)	* No ( )
	Waters	Yes ( )	n/a (X)	* No ( )
	Air	Yes (X)	n/a ( )	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

• R. Peterson and C. Yarrington (EA) arrived on-site at 08:45 to perform subsurface soil sampling. Dave Lyons and Joe Mendez (GeoLogic NY, Inc.) arrived on-site at 09:30 with GeoProbe drill rig. Lynette Mokry (EA) arrived on-site at 09:00.

• Six direct-push soil borings (SB-12 through SB-17) were completed (refer to EA's Work Plan Figure 4 – Proposed RI Sampling Locations). Soil was collected continuously at each boring with dedicated acetate sleeve liners and screened using a PID. Each boring was advanced through fill material to natural overburden (Silt/Clay). Samples were characterized by texture, composition, color, moisture content, odor, and PID, consistent with the Unified Soil Classification System (USCS). EA prepared soil boring logs for each location and will submit at a later date. Samples were collected by hand directly from acetate liners using dedicated nitrile gloves and placed in appropriate sample containers, sealed, and submitted to Chemtech Consulting Group for analysis. See below section 'Sampling (Soil/Water/Air)' for sample IDs and analysis.

• Gas utility representative arrived on-site at 10:00 to markout gas line leading from the southwest corner of the southern incinerator building to a main connection near the DPW mulch/salt storage building.

• Drilling activities and subsurface soil sampling will resume tomorrow.

• EA off-site at 17:15.

PROJECT TOTALS: N/A

DAILY OBSERVATION REPORT

Day: Wednesday Date: 10/25/2012

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-SB-12(8-10)	NA	TCL SVOCs, TAL Metals
915206-SB-12(12-14)	NA	TCL SVOCs, TAL Metals
915206-SB-12(14-16)	NA	TCL SVOCs, TAL Metals
915206-SB-12(16-18)	NA	TCL SVOCs, TAL Metals
915206-SB-12(18-20)	NA	TCL SVOCs, TAL Metals
915206-SB-13(0-4) (w/MS/MSD)	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Inorganics
915206-SB-13(4-8)	NA	TAL Metals
915206-SB-13(8-10)	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Inorganics
915206-SB-13(10-12)	NA	TCL SVOCs, TAL Metals
915206-SB-13(12-14)	NA	TCL SVOCs, TAL Metals
915206-SB-13(16-18)	NA	TCL SVOCs, TAL Metals
915206-SB-13(20-22)	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Inorganics
915206-SB-13(23-25)	NA	TCL SVOCs, TAL Metals
915206-SB-DUPLICATE-1	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Inorganics
915206-SB-14(0-2) (w/MS/MSD)	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Inorganics
915206-SB-14(2-4)	NA	TCL SVOCs, TAL Metals
915206-SB-14(4-6)	NA	TCL SVOCs, TAL Metals
915206-SB-14(6-8)	NA	TCL SVOCs, TAL Metals
915206-SB-14(8-10)	NA	TCL SVOCs, TAL Metals
915206-SB-14(10-12)	NA	TCL SVOCs, TAL Metals
915206-SB-15(0-2)	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Inorganics
915206-SB-15(2-4)	NA	TCL SVOCs, TAL Metals
915206-SB-15(4-6)	NA	TCL SVOCs, TAL Metals
915206-SB-15(6-8)	NA	TCL SVOCs, TAL Metals
915206-SB-15(8-10)	NA	TCL SVOCs, TAL Metals
915206-SB-16(0-2)	NA	TCL SVOCs, TAL Metals
915206-SB-16(2-4)	NA	TCL SVOCs, TAL Metals
915206-SB-16(4-6)	NA	TCL SVOCs, TAL Metals
915206-SB-16(6-8)	NA	TCL SVOCs, TAL Metals
915206-SB-16(8-10)	NA	TCL SVOCs, TAL Metals
915206-SB-16(10-12)	NA	TCL SVOCs, TAL Metals

915206-SB-16(12-14)	NA	TCL SVOCs, TAL Metals
915206-SB-16(14-16)	NA	TCL SVOCs, TAL Metals
915206-SB-17(0-2)	NA	TCL SVOCs, TAL Metals
915206-SB-17(2-4)	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Inorganics
915206-SB-17(4-6)	NA	TCL SVOCs, TAL Metals
915206-SB-17(6-8)	NA	TCL SVOCs, TAL Metals
915206-SB-17(8-10)	NA	TCL SVOCs, TAL Metals
915206-SB-17(10-12)	NA	TCL SVOCs, TAL Metals

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Dave Lyons and Joe Mendez (GeoLogic NY, Inc.)

Contractor equipment: GeoProbe and support truck

Other Subcontractors: None

Engineer personnel: Robert Peterson, Charles Yarrington, and Lynette Mokry (EA)

VISITORS TO SITE:

None

PROJECT SCHEDULE ISSUES:

None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

Utility company is currently identifying unknown gas line leading from the southwest corner of the southern incinerator building.

COMMENTS:

Re-sampled SB-13(0-2) on 10/26/2012 for full TCL/TAL; poor recovery from 2-8 ft bgs due to fill (multiple attempts).

ATTACHMENT(S) TO THIS REPORT:

1. Photolog

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

PHOTOLOG:

1 - Drilling at SB-13

4 - Drilling at SB-14

2 - Drilling at SB-15

5 - Drilling at SB-16

3 - Drilling at SB-17

DAILY OBSERVATION REPORT **Day: Friday Date: 10/26/2012**

Temperature: (F)	62	(am)	77	(pm)
Wind Direction:	SSW	(am)	SSW	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Sunny
(pm) Sunny

Contract # D-007624

Arrive at site 07:00 (am)

Lackawanna, New York

Leave site: 17:15 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?	Soil	Yes ( )	n/a (X)	* No ( )
	Waters	Yes ( )	n/a (X)	* No ( )
	Air	Yes (X)	n/a ( )	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

• R. Peterson and C. Yarrington (EA) arrived on-site at 07:00 to perform subsurface soil sampling. Dave Lyons and Joe Mendez (GeoLogic NY, Inc.) arrived on-site at 07:15 with GeoProbe drill rig.

• GeoLogic finished direct-push soil borings. Seven direct-push soil borings (SB-05 through SB-10, plus SB-18) were completed (refer to EA's Work Plan Figure 4 – Proposed RI Sampling Locations). Soil was collected continuously at each boring with dedicated acetate sleeve liners and screened using a PID. Each boring was advanced through fill material to natural overburden (Silt/Clay). Samples were characterized by texture, composition, color, moisture content, odor, and PID, consistent with the Unified Soil Classification System (USCS). EA prepared soil boring logs for each location and will submit at a later date. Samples were collected by hand directly from acetate liners using dedicated nitrile gloves and placed in appropriate sample containers, sealed, and submitted to Chemtech Consulting Group for analysis. Also collected sediment sample from old outfall to Smokes Creek, near eastern site boundary. See below section 'Sampling (Soil/Water/Air)' for sample IDs and analysis.

• Soil boring SB-11 was not completed due to an unknown gas line in the vicinity. Utility company is working in conjunction with Lackawanna DPW to locate the gas line.

• EA off-site at 15:30.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-SB-05 (0-2)	NA	TCL SVOCs, TAL Metals
915206-SB-05 (2-4)	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN
915206-SB-05 (2-4) MS/MSD	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN

915206-SB-Duplicate03	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN
915206-SB-05 (4-6)	NA	TCL SVOCs, TAL Metals
915206-SB-05 (6-8)	NA	TCL SVOCs, TAL Metals
915206-SB-06 (0-2)	NA	TCL SVOCs, TAL Metals
915206-SB-06 (2-4)	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN
915206-SB-06 (4-6)	NA	TCL SVOCs, TAL Metals
915206-SB-06 (6-8)	NA	TCL SVOCs, TAL Metals
915206-SB-07 (0-2)	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN
915206-SB-07 (2-4)	NA	TCL SVOCs, TAL Metals
915206-SB-07 (4-6)	NA	TCL SVOCs, TAL Metals
915206-SB-07 (6-8)	NA	TCL SVOCs, TAL Metals
915206-SB-08 (0-2)	NA	TCL SVOCs, TAL Metals
915206-SB-08 (2-4)	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN
915206-SB-08 (4-6)	NA	TCL SVOCs, TAL Metals
915206-SB-08 (6-8)	NA	TCL SVOCs, TAL Metals
915206-SB-09 (0-2)	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SB-09 (2-4)	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals
915206-SB-09 (4-6)	NA	TCL SVOCs, TAL Metals
915206-SB-09 (6-8)	NA	TCL SVOCs, TAL Metals
915206-SB-10 (0-2)	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN
915206-SB-10 (2-4)	NA	TCL SVOCs, TAL Metals
915206-SB-10 (4-6)	NA	TCL SVOCs, TAL Metals
915206-SB-10 (6-8)	NA	TCL SVOCs, TAL Metals
915206-SB-18 (0-2) w/MS/MSD	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN
915206-SB-18 (2-4)	NA	TCL SVOCs, TAL Metals
915206-SB-18 (8-10)	NA	TCL SVOCs, TAL Metals
915206-SB-18 (10-12)	NA	TCL SVOCs, TAL Metals
915206-SB-12A (0-2) w/MS/MSD	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN
915206-SB-Duplicate02A	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN
915206-SB-Duplicate04	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN
915206-SD-03	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN, TOC

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Dave Lyons and Joe Mendez (GeoLogic NY, Inc.)

Contractor equipment: GeoProbe and support truck

Other Subcontractors: None

Engineer personnel: Robert Peterson and Charles Yarrington (EA)

VISITORS TO SITE:

None

PROJECT SCHEDULE ISSUES:

None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

Utility company is currently identifying unknown gas line leading from the southwest corner of the southern incinerator building.

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

1. Photolog

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

PHOTOLOG:


View of GeoLogic drilling SB-18.

Close up view of drill head at SB-05.


View of macro cores from SB-18.


Sample jars from SB-08.

DAILY OBSERVATION REPORT **Day: Monday Date: 10/29/2012**

Temperature: (F)	44	(am)	47	(pm)
Wind Direction:	N	(am)	N	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Overcast, Rain
(pm) Overcast, Rain

Contract # D-007624

Lackawanna, New York

Arrive at site 09:00 (am)
Leave site: 17:00 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?				
	Soil	Yes ( )	n/a (X)	* No ( )
	Waters	Yes ( )	n/a (X)	* No ( )
	Air	Yes (X)	n/a ( )	* No ( )

OTHER ITEMS:

- *If No, provide comments*

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

• R. Peterson (EA) arrived on-site at 09:00 to perform subsurface soil sampling and monitoring well installation. Dave Lyons (GeoLogic NY, Inc.) arrived on-site at 10:15 with CME track drill rig and support truck.

• GeoLogic drilled and installed MW-02A (refer to EA's Work Plan Figure 4 – Proposed RI Sampling Locations). MW-02A was drilled using 4.25-in. hollow-stem augers and decontaminated split-spoon samplers. Soil was collected continuously and screened using a PID. MW-02A boring was advanced through fill material to natural overburden (Silt/Clay). Groundwater was encountered at 12.0-ft. bgs and the borehole was extended to 30.0-ft. bgs. EA prepared a soil boring log and will submit at a later date. Samples were characterized by texture, composition, color, moisture content, odor, and PID, consistent with the Unified Soil Classification System (USCS). Samples were collected by hand directly from split-spoons using dedicated nitrile gloves and placed in appropriate sample containers, sealed, and submitted to Hampton Clarke Veritech for analysis. See below section 'Sampling (Soil/Water/Air)' for sample IDs and analysis.

• Monitoring well MW-02A was constructed with 10-ft. of 0.01-in. slot well screen and the appropriate length of schedule 40 polyvinyl chloride riser. The well screen sand pack (#0 Sand) was brought to 2-ft. above the top of the screened interval and a 3-ft. layer of bentonite chips were placed on top of the sand pack and hydrated. The remaining annular space was filled with bentonite grout mix to grade. MW-02A was completed with a steel riser casing.

• Due to inclement weather, drilling operations will be temporarily postponed. Drilling operations will resume on Wednesday, October 31, 2012.

• EA off-site at 17:00.

PROJECT TOTALS: N/A

DAILY OBSERVATION REPORT

Day: Monday Date: 10/29/2012

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-MW-02A (0-1)	NA	TCL SVOCs, TAL Metals
915206-MW-02A (2-3)	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN
915206-MW-02A (6-7)	NA	TCL SVOCs, TAL Metals
915206-MW-02A (8-10)	NA	TCL SVOCs, TAL Metals
915206-FieldBlank	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN
915206-TripBlank	NA	VOCs

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Dave Lyons (GeoLogic NY, Inc.)

Contractor equipment: CME track drill rig and support truck

Other Subcontractors: None

Engineer personnel: Robert Peterson (EA)

VISITORS TO SITE:

None

PROJECT SCHEDULE ISSUES:

None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

Utility company is currently identifying unknown gas line leading from the southwest corner of the southern incinerator building.

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

1. Photolog

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

PHOTOLOG:

View of GeoLogic drilling MW-02A.

View of drill rig at MW-02A.

View of hollow-stem augers and drill head assembly at MW-02A.

DAILY OBSERVATION REPORT **Day: Wednesday Date: 10/31/2012**

Temperature: (F)	43	(am)	46	(pm)
Wind Direction:	SSW	(am)	SSW	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Overcast, Rain
(pm) Overcast, Rain

Contract # D-007624 Arrive at site 07:00 (am)

Lackawanna, New York Leave site: 18:00 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?				
	Soil	Yes ( )	n/a (X)	* No ( )
	Waters	Yes ( )	n/a (X)	* No ( )
	Air	Yes (X)	n/a ( )	* No ( )

OTHER ITEMS:

- *If No, provide comments*

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

• R. Peterson (EA) and GeoLogic NY, Inc. arrived on-site at 07:00 to perform subsurface soil sampling and monitoring well installation. NYSDEC PM on-site at 12:00.

• GeoLogic drilled and installed MW-03A (refer to EA's Work Plan Figure 4 – Proposed RI Sampling Locations). MW-03A was drilled using 4.25-in. hollow-stem augers and decontaminated split-spoon samplers. Soil was collected continuously and screened using a PID. MW-03A boring was advanced through fill material to natural overburden (Silt/Clay). Groundwater was encountered at 20.0-ft. bgs and the borehole was extended to 30.0-ft. bgs. EA prepared a soil boring log and will submit at a later date. Samples were characterized by texture, composition, color, moisture content, odor, and PID, consistent with the Unified Soil Classification System (USCS). Samples were collected by hand directly from split-spoons using dedicated nitrile gloves and placed in appropriate sample containers, sealed, and submitted to Hampton Clarke Veritech for analysis. See below section 'Sampling (Soil/Water/Air)' for sample IDs and analysis.

• Monitoring well MW-03A was constructed with 10-ft. of 0.01-in. slot well screen and the appropriate length of schedule 40 polyvinyl chloride riser. The well screen sand pack (#0 Sand) was brought to 2-ft. above the top of the screened interval and a 3-ft. layer of bentonite chips were placed on top of the sand pack and hydrated. The remaining annular space was filled with bentonite grout mix to grade. MW-03A was completed with a steel riser casing.

• Prior to drilling MW-06, GeoLogic decontaminated hollow stem augers to prevent cross-contamination (two sets of augers are onsite so that decontamination can be accomplished for two locations at one time). The augers were decontaminated using a pressure washer. Wash water and debris was contained within a wooden decontamination pad lined with poly. MW-06 was drilled and sampled using the same techniques as MW-03A. Groundwater was encountered at 20.0-ft. bgs and the borehole was extended to 30.0-ft. bgs. Samples were collected by hand directly from split-spoons using dedicated nitrile gloves and placed in appropriate sample containers, sealed, and submitted to Hampton Clarke Veritech for analysis. See below section 'Sampling (Soil/Water/Air)' for sample IDs and analysis.

• EA off-site at 18:00.

DAILY OBSERVATION REPORT

Day: Wednesday Date: 10/31/2012

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-MW-03A (0-2)	NA	TCL SVOCs, TAL Metals
915206-MW-03A (4-6)	NA	TCL SVOCs, TAL Metals
915206-MW-06 (0-2) + MS/MSD	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN
915206-MW-Duplicate01	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN
915206-MW-06 (2-4)	NA	TCL SVOCs, TAL Metals
915206-MW-06 (4-6)	NA	TCL SVOCs, TAL Metals

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Dave Lyons (GeoLogic NY, Inc.)

Contractor equipment: CME track drill rig and support truck

Other Subcontractors: None

Engineer personnel: Robert Peterson (EA)

VISITORS TO SITE:

David Gardner (NYSDEC PM)

PROJECT SCHEDULE ISSUES:

None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

Due to loss of power related to Hurricane Sandy, samples for analysis collected during monitoring well installation will be submitted to Hampton Clarke Veritech, as determined on November 1, 2012.

ATTACHMENT(S) TO THIS REPORT:

1. Photolog

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

PHOTOLOG:


View of GeoLogic drilling MW-03A.


View of GeoLogic drilling MW-03A.


View of MW-03A PVC riser installed.


4.25-in. Hollow stem augers on decon pad.


View of hollow stem augers drilling at MW-03A.

DAILY OBSERVATION REPORT **Day: Thursday Date: 11/01/2012**

Temperature: (F)	43	(am)	44	(pm)
Wind Direction:	WSW	(am)	WSW	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Overcast, Rain
(pm) Overcast, Rain

Contract # D-007624 Arrive at site 07:00 (am)

Lackawanna, New York Leave site: 18:00 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?				
	Soil	Yes ( )	n/a (X)	* No ( )
	Waters	Yes ( )	n/a (X)	* No ( )
	Air	Yes (X)	n/a ( )	* No ( )

OTHER ITEMS:

- *If No, provide comments*

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

• R. Peterson (EA) and GeoLogic NY, Inc. arrived on-site at 07:00 to perform subsurface soil sampling and monitoring well installation. Lynette Mokry (EA) on-site at 09:00. NYSDEC PM on-site.

• GeoLogic installed MW-06 well materials (refer to EA's Work Plan Figure 4 – Proposed RI Sampling Locations). MW-06 was screened from 20.0 – 30.0-ft bgs and constructed with 10-ft. of 0.01-in. slot well screen and the appropriate length of schedule 40 polyvinyl chloride riser. The well screen sand pack (#0 Sand) was brought to 2-ft. above the top of the screened interval and a 3-ft. layer of bentonite chips were placed on top of the sand pack and hydrated. The remaining annular space was filled with bentonite grout mix to grade. MW-06 was completed as a flush mount.

• Prior to drilling MW-05, GeoLogic decontaminated hollow stem augers to prevent cross-contamination. The augers were decontaminated using a pressure washer. Wash water and debris was contained within a wooden decontamination pad lined with poly. GeoLogic drilled and installed MW-05 (refer to EA's Work Plan Figure 4 – Proposed RI Sampling Locations). MW-05 was drilled using 4.25-in. hollow-stem augers and decontaminated split-spoon samplers. Soil was collected continuously and screened using a PID. MW-05 boring was advanced through fill material to natural overburden (Silt/Clay). Groundwater was encountered at 20.0-ft. bgs and the borehole was extended to 30.0-ft. bgs. EA prepared a soil boring log and will submit at a later date. Samples were characterized by texture, composition, color, moisture content, odor, and PID, consistent with the Unified Soil Classification System (USCS). Samples were collected by hand directly from split-spoons using dedicated nitrile gloves and placed in appropriate sample containers, sealed, and submitted to Hampton Clarke Veritech for analysis. See below section 'Sampling (Soil/Water/Air)' for sample IDs and analysis.

• MW-05 was screened from 20.0 – 30.0-ft bgs and constructed with 10-ft. of 0.01-in. slot well screen and the appropriate length of schedule 40 polyvinyl chloride riser. The well screen sand pack (#0 Sand) was brought to 2-ft. above the top of the screened interval and a 3-ft. layer of bentonite chips were placed on top of the sand pack and hydrated. The remaining annular space was filled with bentonite grout mix to grade. MW-05 was completed as a flush mount.

• EA off-site at 18:00.

DAILY OBSERVATION REPORT

Day: Thursday Date: 11/01/2012

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-MW-05 (0-2)	NA	TCL SVOCs, TAL Metals
915206-MW-05 (2-3)	NA	TCL SVOCs, TAL Metals
915206-MW-05 (3-4)	NA	TCL SVOCs, TAL Metals
915206-MW-05 (4-6)	NA	TCL SVOCs, TAL Metals
915206-FieldBlank	NA	TCL VOCs, TCL SVOCs, TCL Pest/PCBs, TAL Metals + CN
915206-TripBlank	NA	VOCs

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Dave Lyons (GeoLogic NY, Inc.)

Contractor equipment: CME track drill rig and support truck

Other Subcontractors: None

Engineer personnel: Robert Peterson and Lynette Mokry (EA)

VISITORS TO SITE:

David Gardner (NYSDEC PM)

PROJECT SCHEDULE ISSUES:

None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

Due to loss of power related to Hurricane Sandy, samples for analysis collected during monitoring well installation will be submitted to Hampton Clarke Veritech, as determined on November 1, 2012.

ATTACHMENT(S) TO THIS REPORT:

1. Photolog

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

PHOTOLOG:

View of GeoLogic installing MW-05 well materials.

View of GeoLogic drilling MW-05.

View of GeoLogic drilling MW-05.

DAILY OBSERVATION REPORT

Day: Friday Date: 11/02/2012

Temperature: (F)	39	(am)	42	(pm)
Wind Direction:	WNW	(am)	WNW	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Overcast
(pm) Overcast

Contract # D-007624

Arrive at site 07:00 (am)

Lackawanna, New York

Leave site: 15:00 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?				
	Soil	Yes ( )	n/a (X)	* No ( )
	Waters	Yes ( )	n/a (X)	* No ( )
	Air	Yes (X)	n/a ( )	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

• R. Peterson (EA) and GeoLogic NY, Inc. arrived on-site at 07:00 to perform subsurface soil sampling and monitoring well installation. NYSDEC PM on-site.

• Prior to drilling MW-04, GeoLogic decontaminated hollow stem augers to prevent cross-contamination. The augers were decontaminated using a pressure washer. Wash water and debris was contained within a wooden decontamination pad lined with poly. GeoLogic drilled MW-04 (refer to EA's Work Plan Figure 4 – Proposed RI Sampling Locations). MW-04 was drilled using 4.25-in. hollow-stem augers and decontaminated split-spoon samplers. Soil was collected continuously and screened using a PID. MW-04 boring was advanced through fill material to natural overburden (Silt/Clay). Groundwater was encountered at 20.0-ft. bgs and the borehole was extended to 30.0-ft. bgs. EA prepared a soil boring log and will submit at a later date. Samples were characterized by texture, composition, color, moisture content, odor, and PID, consistent with the Unified Soil Classification System (USCS). Samples were collected by hand directly from split-spoons using dedicated nitrile gloves and placed in appropriate sample containers, sealed, and submitted to Hampton Clarke Veritech for analysis. See below section 'Sampling (Soil/Water/Air)' for sample IDs and analysis.

• EA off-site at 15:00.

DAILY OBSERVATION REPORT

Day: Friday Date: 11/02/2012

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-MW-04 (0-2)	NA	TCL SVOCs, TAL Metals
915206-MW-04 (2-4)	NA	TCL SVOCs, TAL Metals*
915206-MW-04 (4-6)	NA	TCL SVOCs, TAL Metals
915206-FieldBlank	NA	TCL VOCs, TCL SVOCs, TCL PCB/Pest, TAL Metals + CN
915206-TripBlank	NA	TCL VOCs

*requested that lab add Pest/PCBs, CN analyses for this sample on 11/14/2012.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Dave Lyons (GeoLogic NY, Inc.)

Contractor equipment: CME track drill rig and support truck

Other Subcontractors: None

Engineer personnel: Robert Peterson (EA)

VISITORS TO SITE:

David Gardner(NYSDEC PM)

PROJECT SCHEDULE ISSUES:

None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

1. Photolog

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

PHOTOLOG:

View of GeoLogic drilling MW-04.

View of GeoLogic drilling MW-04.

DAILY OBSERVATION REPORT **Day: Monday Date: 11/05/2012**

Temperature: (F)	34	(am)	36	(pm)
Wind Direction:	NNW	(am)	NNW	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Overcast
(pm) Overcast

Contract # D-007624 Arrive at site 07:00 (am)

Lackawanna, New York Leave site: 17:30 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?				
	Soil	Yes ( )	n/a (X)	* No ( )
	Waters	Yes ( )	n/a (X)	* No ( )
	Air	Yes (X)	n/a ( )	* No ( )

OTHER ITEMS:

- *If No, provide comments*

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

• R. Peterson (EA) and GeoLogic NY, Inc. arrived on-site at 07:00 to perform subsurface soil sampling and monitoring well installation.

• GeoLogic installed MW-04 well materials (refer to EA's Work Plan Figure 4 – Proposed RI Sampling Locations). MW-04 was screened from 20.0 – 30.0-ft bgs and constructed with 10-ft. of 0.01-in. slot well screen and the appropriate length of schedule 40 polyvinyl chloride riser. The well screen sand pack (#0 Sand) was brought to 2-ft. above the top of the screened interval and a 3-ft. layer of bentonite chips were placed on top of the sand pack and hydrated. The remaining annular space was filled with bentonite grout mix to grade. MW-04 was completed as a flush mount.

• Prior to drilling MW-07, GeoLogic decontaminated hollow stem augers to prevent cross-contamination. The augers were decontaminated using a pressure washer. Wash water and debris was contained within a wooden decontamination pad lined with poly. GeoLogic drilled and installed MW-07 (refer to EA's Work Plan Figure 4 – Proposed RI Sampling Locations). MW-07 was drilled using 4.25-in. hollow-stem augers and decontaminated split-spoon samplers. Soil was collected continuously and screened using a PID. MW-07 boring was advanced through fill material to natural overburden (Silt/Clay). Groundwater was encountered at 17.0-ft. bgs and the borehole was extended to 27.0-ft. bgs. EA prepared a soil boring log and will submit at a later date. Samples were characterized by texture, composition, color, moisture content, odor, and PID, consistent with the Unified Soil Classification System (USCS). Samples were collected by hand directly from split-spoons using dedicated nitrile gloves and placed in appropriate sample containers, sealed, and submitted to Hampton Clarke Veritech for analysis. See below section 'Sampling (Soil/Water/Air)' for sample IDs and analysis.

• GeoLogic installed MW-07 well materials. MW-07 was screened from 17.0 – 27.0-ft bgs and constructed with 10-ft. of 0.01-in. slot well screen and the appropriate length of schedule 40 polyvinyl chloride riser. The well screen sand pack (#0 Sand) was brought to 2-ft. above the top of the screened interval and a 3-ft. layer of bentonite chips were placed on top of the sand pack and hydrated. The remaining annular space was filled with bentonite grout mix to grade. MW-07 was completed as a flush mount.

• EA off-site at 17:30.

DAILY OBSERVATION REPORT

Day: Monday Date: 11/05/2012

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-MW-07 (0-2)	NA	TCL SVOCs, TAL Metals
915206-MW-07 (2-4) + MS/MSD	NA	TCL SVOCs, PCB/Pest, TCL VOCs, TAL Metals + CN
915206-MW-Duplicate02	NA	TCL SVOCs, PCB/Pest, TCL VOCs, TAL Metals + CN
915206-MW-07 (4-6)	NA	TCL SVOCs, TAL Metals
915206-MW-07 (6-8)	NA	TCL SVOCs, TAL Metals

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Dave Lyons (GeoLogic NY, Inc.)

Contractor equipment: CME track drill rig and support truck

Other Subcontractors: None

Engineer personnel: Robert Peterson (EA)

VISITORS TO SITE:

None

PROJECT SCHEDULE ISSUES:

None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

None

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

DAILY OBSERVATION REPORT **Day: Tuesday Date: 11/06/2012**

Temperature: (F)	36	(am)	41	(pm)
Wind Direction:	ESE	(am)	ESE	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Sunny
(pm) Sunny

Contract # D-007624

Lackawanna, New York

Arrive at site 06:30 (am)
Leave site: 17:30 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?				
	Soil	Yes ( )	n/a (X)	* No ( )
	Waters	Yes ( )	n/a (X)	* No ( )
	Air	Yes (X)	n/a ( )	* No ( )

OTHER ITEMS:

- *If No, provide comments*

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

• R. Peterson (EA) and GeoLogic NY, Inc. arrived on-site at 06:30 to perform subsurface soil sampling and monitoring well installation.

• GeoLogic decommissioned MW-02. The concrete pad and metal stick-up were removed and disposed of by Lackawanna DPW. The 2-inch schedule 40 PVC riser and screen were pulled intact and the annular space was filled with bentonite.

• Prior to drilling MW-08, GeoLogic decontaminated hollow stem augers to prevent cross-contamination. The augers were decontaminated using a pressure washer. Wash water and debris was contained within a wooden decontamination pad lined with poly. GeoLogic drilled and installed MW-08 (refer to EA's Work Plan Figure 4 – Proposed RI Sampling Locations). MW-08 was drilled using 4.25-in. hollow-stem augers and decontaminated split-spoon samplers / acetate sleeve liners. Soil was collected continuously and screened using a PID. MW-08 boring was advanced through fill material to natural overburden (Silt/Clay). Groundwater was encountered at 15.0-ft. bgs and the borehole was extended to 22.0-ft. bgs. EA prepared a soil boring log and will submit at a later date. Samples were characterized by texture, composition, color, moisture content, odor, and PID, consistent with the Unified Soil Classification System (USCS). Samples were collected by hand directly from split-spoons using dedicated nitrile gloves and placed in appropriate sample containers, sealed, and submitted to Hampton Clarke Veritech for analysis. See below section 'Sampling (Soil/Water/Air)' for sample IDs and analysis.

• Soil boring SB-11 was completed (refer to EA's Work Plan Figure 4 – Proposed RI Sampling Locations). Soil was collected continuously at each boring with dedicated acetate sleeve liners and screened using a PID. Each boring was advanced through fill material to natural overburden (Silt/Clay). Samples were characterized by texture, composition, color, moisture content, odor, and PID, consistent with the Unified Soil Classification System (USCS). EA prepared a soil boring log and will submit at a later date. Samples were collected by hand directly from acetate liners using dedicated nitrile gloves and placed in appropriate sample containers, sealed, and submitted to Chemtech Consulting Group for analysis. See below section 'Sampling (Soil/Water/Air)' for sample IDs and analysis.

• EA off-site at 17:30.

DAILY OBSERVATION REPORT

Day: Tuesday Date: 11/06/2012

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-MW-08 (0-2) + MS/MSD	NA	TCL SVOCs, PCB/Pest, TCL VOCs, TAL Metals + CN
915206-MW-08 (2-4)	NA	TCL SVOCs, TAL Metals
915206-MW-08 (6-8)	NA	TCL SVOCs, TAL Metals
915206-MW-Duplicate03	NA	TCL SVOCs, PCB/Pest, TCL VOCs, TAL Metals + CN
915206-SB-11 (0-2)	NA	TCL SVOCs, TAL Metals
915206-SB-11 (2-4)	NA	TCL SVOCs, TAL Metals
915206-SB-11 (4-6) + MS/MSD	NA	TCL SVOCs, PCB/Pest, TCL VOCs, TAL Metals + CN
915206-Duplicate05	NA	TCL SVOCs, PCB/Pest, TCL VOCs, TAL Metals + CN
915206-SB-11 (6-8)	NA	TCL SVOCs, TAL Metals
915206-SB-11 (8-10)	NA	TCL SVOCs, TAL Metals
915206-SB-11 (10-12)	NA	TCL SVOCs, TAL Metals
915206-SB-11 (12-14)	NA	TCL SVOCs, TAL Metals
915206-SB-11 (14-16)	NA	TCL SVOCs, TAL Metals
915206-SB-11 (16-18)	NA	TCL SVOCs, TAL Metals

Note: Soil samples from MW-08 submitted to Hampton Clarke Veritech; soil samples from SB-11 submitted to Chemtech Consulting Group.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Dave Lyons, Taylor Salsburg (GeoLogic NY, Inc.)

Contractor equipment: CME track drill rig and support truck

Other Subcontractors: None

Engineer personnel: Robert Peterson (EA)

VISITORS TO SITE:

None

PROJECT SCHEDULE ISSUES:

None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:
None

ATTACHMENT(S) TO THIS REPORT:

1. Photolog

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

PHOTOLOG:

View of GeoLogic decontaminating augers.

View of GeoLogic drilling MW-08.

GeoLogic drilling MW-08.

DAILY OBSERVATION REPORT **Day: Wednesday Date: 11/07/2012**

Temperature: (F)	34	(am)	41	(pm)
Wind Direction:	NE	(am)	NE	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Sunny
(pm) Sunny

Contract # D-007624 Arrive at site 08:00 (am)

Lackawanna, New York Leave site: 17:00 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?				
	Soil	Yes ( )	n/a (X)	* No ( )
	Waters	Yes ( )	n/a (X)	* No ( )
	Air	Yes (X)	n/a ( )	* No ( )

OTHER ITEMS:

- *If No, provide comments*

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

• R. Peterson and Hilary Williams (EA) arrived on-site at 08:00 to perform monitoring well development and collect surface water samples.

• EA developed MW-02A, MW-03A, MW-06, and MW-07 using surging and pumping techniques. Development water was very turbid and all wells were pumped dry. Development water was discharged to the ground surface (no sheens or odors were observed). Water quality parameters were collected and development logs were completed. Tomorrow, EA will gauge these wells and continue development.

• EA collected two surface water samples from the stormwater outfalls along Smokes Creek. Water quality measurements were collected and recorded on surface water collection forms. Samples were collected with ziplock bags (due to very limited flow) and placed in appropriate sample containers, sealed, and submitted to ChemTech Group for analysis. See below section 'Sampling (Soil/Water/Air)' for sample IDs and analysis.

• EA off-site at 17:00.

DAILY OBSERVATION REPORT

Day: Wednesday Date: 11/07/2012

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-SW-03	NA	TCL SVOCs, PCB/Pest, TCL VOCs, TAL Metals + CN
915206-SW-04	NA	TCL SVOCs, PCB/Pest, TCL VOCs, TAL Metals + CN
915206-SW-Duplicate*	NA	TCL SVOCs, TAL Metals

*Limited sample volume

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: None

Contractor equipment: None

Other Subcontractors: None

Engineer personnel: Robert Peterson and Hilary Williams (EA)

VISITORS TO SITE:

None

PROJECT SCHEDULE ISSUES:

None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

None

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

DAILY OBSERVATION REPORT

Day: Thursday Date: 11/08/2012

Temperature: (F)	33	(am)	42	(pm)
Wind Direction:	NW	(am)	NW	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Sunny
(pm) Sunny

Contract # D-007624

Lackawanna, New York

Arrive at site 08:30 (am)
Leave site: 15:00 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes (X)	n/a ( )	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes ( ) No (X)

DESCRIPTION OF DAILY WORK PERFORMED:

• R. Peterson and Hilary Williams (EA) arrived on-site at 08:30 to perform monitoring well development.

• EA developed MW-04, MW-05, and MW-08 using surging and pumping techniques. Development water was very turbid and all wells were pumped dry. Development water was discharged to the ground surface (no sheens or odors observed). Water quality parameters were collected and development logs were completed.

• EA gauged wells that were partially developed yesterday (MW-02A, MW-03A, MW-06, MW-07). Wells had fully recharged overnight (~15-ft of water) and additional development was conducted with surging and pumping techniques. Development water was still turbid but not significantly improving. Water quality parameters were collected and development logs were completed.

• EA off-site at 15:00.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
NA	NA	NA

DAILY OBSERVATION REPORT **Day: Thursday Date: 11/08/2012**

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: None

Contractor equipment: None

Other Subcontractors: None

Engineer personnel: Robert Peterson and Hilary Williams (EA)

VISITORS TO SITE:

Jaspal Singh Walia (NYSDEC)

PROJECT SCHEDULE ISSUES:

None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

None

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

DAILY OBSERVATION REPORT **Day: Wednesday Date: 11/28/2012**

Temperature: (F)	30	(am)	37	(pm)
Wind Direction:	SW	(am)	SW	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Overcast, snow ~0.2 inches
(pm) Overcast, windy

Contract # D-007624

Lackawanna, New York

Arrive at site 08:00 (am)
Leave site: 17:30 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?				
	Soil	Yes ( )	n/a (X)	* No ( )
	Waters	Yes ( )	n/a (X)	* No ( )
	Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes ( ) No (X)

DESCRIPTION OF DAILY WORK PERFORMED:

- H. Williams (EA) and F. DeSantis (EA) arrived on-site at 08:00 to perform groundwater sampling.
- Tried to start sampling at upgradient well, MW-04, but a truck was parked on top of the well. Moved on to MW-03A, which we had to unbury. Generator would not run – oil indicator flashing. Called Pine Environmental to troubleshoot. Pine recommended purchasing oil to top off generator. F. DeSantis offsite to buy oil. H. Williams spoke to Chris from DPW and asked to have truck parked over MW-04 moved. F. DeSantis back onsite. Oil replaced, generator running. Begin purging MW-03A. All parameters stable. Sampled at 0915.
- Truck over MW-04 moved, mobilized to MW-04 to begin purging. Turbidity remained above 50 NTU throughout purge, well not recharging quickly. All other parameters were stable. Sampled at 1130.
- Purged MW-06. Turbidity remained above 50 NTU throughout purge, well not recharging quickly. All other parameters were stable. Sampled at 1407.
- Purged MW-07. All parameters stable. Sampled at 1530. Pump flow spiked briefly during sample collection – guessed to be the result of problem with pump. Corrected the flow immediately and continued sampling. Collected MS/MSD.
- Collected Rinse Blank at 1630. Assigned sample time of 1635 to Trip Blank. Packed coolers and prepared for shipment.
- EA off-site at 17:30. Picked up more ice for coolers and then dropped off at FedEx for Overnight First Arrival shipping to comply with 24 hour holding time for BOD.

PROJECT TOTALS: N/A

DAILY OBSERVATION REPORT

Day: Wednesday Date: 11/28/2012

SAMPLING (Water)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-MW-03A	NA	TCL/TAL plus MNA parameters [1]
915206-MW-04	NA	TCL/TAL plus MNA parameters [1, 2]
915206-MW-06	NA	TCL/TAL plus MNA parameters [1, 2]
915206-MW-07	NA	TCL/TAL plus MNA parameters [1]
915206-MW-07-MS	NA	TCL/TAL [1]
915206-MW-07-MSD	NA	TCL/TAL [1]
915206-MW-RB1	NA	TCL/TAL [1]
Trip Blank	NA	TCL VOCs

[1] TCL VOCs, TCL SVOCs, TCL pesticides, TCL PCBs, TAL inorganics, and MNA parameters (BOD, COD, alkalinity, chloride, nitrate, nitrite, sulfate, and sulfide)

[2] Due to turbidity >50 NTU, an unpreserved sample was lab-filtered and analyzed for dissolved TAL metals.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: None

Contractor equipment: None

Other Subcontractors: None

Engineer personnel: Hilary Williams (EA) and Frank DeSantis (EA)

VISITORS TO SITE:

None

PROJECT SCHEDULE ISSUES:

None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

Wells are screened in silt and clay, so are very low yield. Some difficulty achieving <50 NTU goal at MW-4 and MW-6.

ATTACHMENT(S) TO THIS REPORT:

None

SITE REPRESENTATIVE:

Name: Hilary Williams

Signature:

DAILY OBSERVATION REPORT **Day: Wednesday Date: 11/29/2012**

Temperature: (F)	30	(am)	44	(pm)
Wind Direction:	WSW	(am)	WSW	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Overcast, snow ~0.2 inches
(pm) Overcast, windy

Contract # D-007624

Lackawanna, New York

Arrive at site 08:00 (am)
Leave site: 14:15 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?				
	Soil	Yes ( )	n/a (X)	* No ( )
	Waters	Yes ( )	n/a (X)	* No ( )
	Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

- H. Williams (EA) and F. DeSantis (EA) arrived on-site at 08:00 to continue groundwater sampling.
- Had to add more oil to generator to get it to run. Purged MW-02A. All parameters were stable. Sampled at 0900.
- Removed lock from POD yesterday so that it would be ready for pick-up today. It was picked up while we were sampling MW-02A.
- Purged MW-05. All parameters were stable. Sampled at 1025.
- Purged MW-08. Turbidity remained above 50 NTU throughout purge, stabilized around 130 NTU. All other parameters were stable and the well was recharging. Sampled at 1245. Collected Duplicate.
- Collected Rinse Blank at 1350. Assigned sample time of 1355 to Trip Blank. Packed coolers and prepared for shipment.
- EA off-site at 1415. Picked up more ice for coolers and then dropped off at FedEx for Overnight First Arrival shipping to comply with 24 hour holding time for BOD.

PROJECT TOTALS: N/A

DAILY OBSERVATION REPORT

Day: Wednesday Date: 11/29/2012

SAMPLING (Water)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-MW-02A	NA	TCL/TAL plus MNA parameters [1]
915206-MW-05	NA	TCL/TAL plus MNA parameters [1]
915206-MW-08	NA	TCL/TAL plus MNA parameters [1, 2]
915206-MW-DUPLICATE	NA	TCL/TAL plus MNA parameters [1]
915206-MW-RB2	NA	TCL/TAL [1]
Trip Blank	NA	TCL VOCs

[1] TCL VOCs, TCL SVOCs, TCL pesticides, TCL PCBs, TAL inorganics, and MNA parameters (BOD, COD, alkalinity, chloride, nitrate, nitrite, sulfate, and sulfide)

[2] Due to turbidity >50 NTU, an unpreserved sample was lab-filtered and analyzed for dissolved TAL metals.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: None

Contractor equipment: None

Other Subcontractors: None

Engineer personnel: Hilary Williams (EA) and Frank DeSantis (EA)

VISITORS TO SITE:

None

PROJECT SCHEDULE ISSUES:

None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

Wells are screened in silt and clay, so are very low yield. Some difficulty achieving <50 NTU goal at MW-8.

ATTACHMENT(S) TO THIS REPORT:

None

SITE REPRESENTATIVE:

Name: Hilary Williams

Signature:

1 Sampling at MW-08

DAILY OBSERVATION REPORT

Day: Monday Date: 03/11/2013

Temperature: (F)	50	(am)	63	(pm)
Wind Direction:		(am)		(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Overcast, some sprinkling rain
(pm) Overcast, increasing wind

Contract # D-007624

Lackawanna, New York

Arrive at site 0830 (am)
Leave site: 1600 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes (X) No ( )
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

Megan Miller (EA) and Hilary Williams (EA) arrived on-site at 0830. Met with Chris Druzbik (DPW) to get into the Northern Incinerator to begin air sampling. Surveyed Chris about Incinerator building then began the chemical inventory of the first floor of the incinerator. Used PID and took photos. Note – there were no dogs in the kennels and the Animal Control officer (Frederick Grasso) knows not to open the garage door; he knows just to use the man-door if he needs to access the building. After survey, began air canister set-up (see below). M. Miller completed full air sampling synopsis.

Tried to begin GW sampling, but had pump issues. Activities for the rest of the afternoon included: Gauging wells, labeling air samples, coordinating with Pine Environmental for new equipment, and walking site to look for signs of visible staining. Offsite at 1600.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-SS-01	NA	EPA TO-15; 24-hr. sub-slab air sample
915206-SS-02	NA	EPA TO-15; 24-hr. sub-slab air sample
915206-SS-DUP	NA	EPA TO-15; 24-hr. sub-slab air duplicate of SS-01
915206-IA-01	NA	EPA TO-15; 24-hr. indoor air sample
915206-IA-02	NA	EPA TO-15; 24-hr. indoor air sample
915206-IA-DUP	NA	EPA TO-15; 24-hr. indoor air duplicate of IA-01
915206-OA-01	NA	EPA TO-15; 24-hr. outdoor air sample

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: NA

Contractor equipment: NA

Other Subcontractors: None

Engineer personnel: Hilary Williams (EA) and Megan Miller (EA)

VISITORS TO SITE:

- Frederick Grasso – Animal Control Officer

PROJECT SCHEDULE ISSUES:

- Pump issues prevented groundwater sampling. Coordinated with Pine to get an additional set of sampling equipment so we will be able to set up on two wells tomorrow.

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

- Chris Druzbik let MM and HW into the Northern Incinerator building and answered basic questions about the building for the air sampling event. Site sketches are included in the air sampling report.

ATTACHMENT(S) TO THIS REPORT:

1. Photolog

SITE REPRESENTATIVE:

Name: Hilary Williams

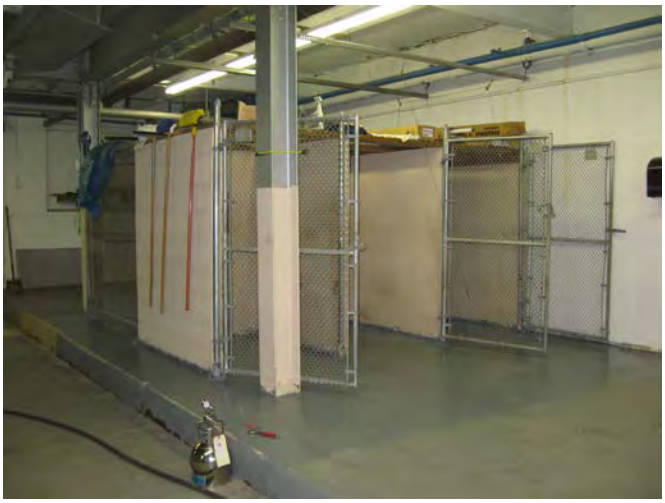
Signature:

PHOTOLOG (First Floor of N. Incinerator):

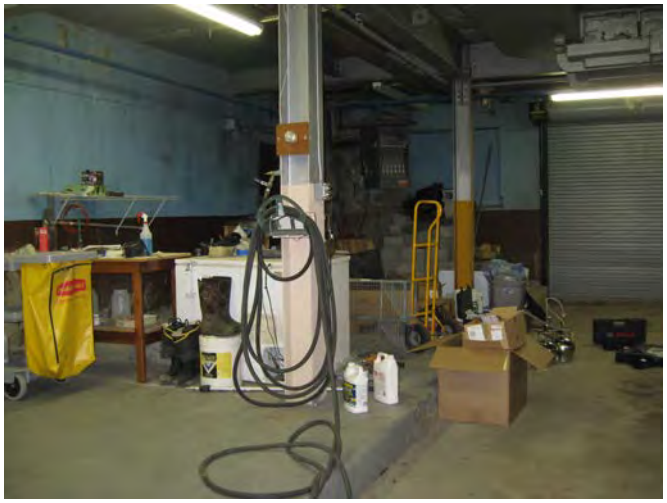
View of work area at eastern end of N. Incinerator.

Close-up of shelving unit at eastern end of N. Incinerator.

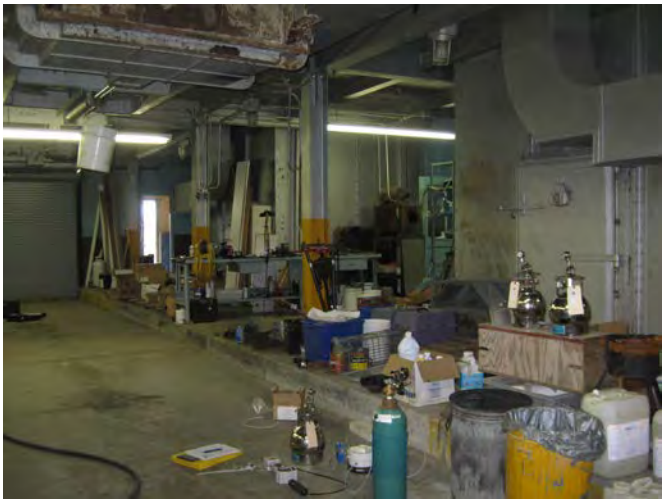
View of workshop area on northern wall of N. Incinerator.



View of dog kennels on southern wall of N. Incinerator.

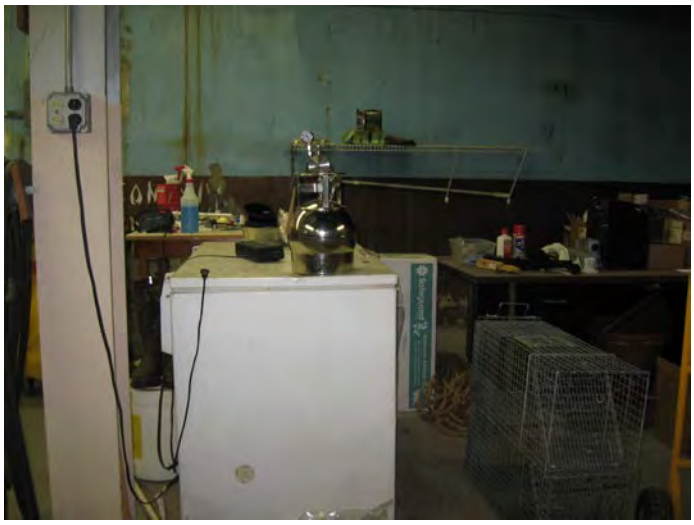


View toward western side of N. Incinerator.



Additional view toward western side of N. Incinerator.


View of IA-01 and IA-DUP in Eastern end of Incinerator.


View of IA-02 in Western end of Incinerator.


View of SS-02 (located below IA-01).


View of SS-01 and SS-DUP (located below IA-02).


View of OA-01 – outside of western garage door.


View of OA-01 – outside of western garage door of N. Incinerator.

DAILY OBSERVATION REPORT

Day: Tuesday Date: 03/12/2013

Temperature: (F)	33	(am)	38	(pm)
Wind Direction:	SW	(am)	SW	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Overcast, Wind
(pm) Overcast, Wind

Contract # D-007624

Lackawanna, New York

Arrive at site 0730 (am)
Leave site: 1300 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

Megan Miller (EA) and Hilary Williams (EA) arrived on-site at 0730. Met with Chris Druzbik (DPW) to get into the Northern Incinerator to check on the air sampling equipment. Stopped sampling SS-01/DUP at 0815 and IA-01 at 0806 due to low pressure readings.

Began set-up for groundwater sampling at MW-04. Lynette Mokry (EA) arrived on-site at 0830 with the groundwater sampling equipment. Pumps and control boxes would not work; therefore will plan on rescheduling groundwater sampling event to coincide with supplemental soil sampling.

Continued with air sampling program. Collected IA-02 at 1048 because pressure reading reached -1.

While waiting for the final air samples to be run the full 24 hours, completed site walk on Baker Hall property adjacent to the Incinerator site to determine locations for future soil borings and areas in need of additional delineation (some photos attached).

Collected final air samples, SS-02 at 1145 and OA-01 at 1207. Cleaned up site and equipment. Offsite at 1300.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-SS-01	NA	EPA TO-15; 24-hr. sub-slab air sample
915206-SS-02	NA	EPA TO-15; 24-hr. sub-slab air sample
915206-SS-DUP	NA	EPA TO-15; 24-hr. sub-slab air duplicate of SS-01
915206-IA-01	NA	EPA TO-15; 24-hr. indoor air sample
915206-IA-02	NA	EPA TO-15; 24-hr. indoor air sample

915206-IA-DUP	NA	EPA TO-15; 24-hr. indoor air duplicate of IA-01
915206-OA-01	NA	EPA TO-15; 24-hr. outdoor air sample

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: NA

Contractor equipment: NA

Other Subcontractors: None

Engineer personnel: Hilary Williams (EA), Megan Miller (EA), and Lynette Mokry (EA)

VISITORS TO SITE:

- Frederick Grasso – Animal Control Officer

PROJECT SCHEDULE ISSUES:

- Pump issues prevented groundwater sampling. The additional pumps from Pine did not work. Will reschedule groundwater sampling event to coincide with supplemental soil sampling work.

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

None.

ATTACHMENT(S) TO THIS REPORT:

1. Photolog

SITE REPRESENTATIVE:

Name: Hilary Williams

Signature:

DAILY OBSERVATION REPORT **Day: Tuesday Date: 03/12/2013**

PHOTOLOG:


View of Incinerator site from Baker Hall Property.


View of Incinerator site from Baker Hall Property.


View of Incinerator site from Baker Hall Property.


View of Incinerator site from Baker Hall Property.


View of wet, submerged area on Baker Hall Property.


View of built-up fill area on Baker Hall Property.

DAILY OBSERVATION REPORT **Day: Friday Date: 04/12/2013**

Temperature: (F)	40	(am)	N/A	(pm)
Wind Direction:	SW	(am)	N/A	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Overcast, Rain
(pm) N/A

Contract # D-007624

Lackawanna, New York

Arrive at site 09:00 (am)
Leave site: 10:30 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

Robert Peterson (EA) and Lynette Mokry (EA) arrived on-site at 09:00. Met with GeoLogic, Inc. and NOVA Geophysical to conduct utility markout for drilling locations. All locations were cleared. All parties off-site at 10:30.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: NOVA Geophysics (Levent Eskicakit and Brian)

Contractor equipment: CSUL Pipe and Cable Locator (an magnetic detector), Electromagnetic detector (EM & Fisher TW-6), and NOGGIN's 250 MHz ground-penetrating radar (GPR) unit

Other Subcontractors: GeoLogic NY (Scott)

Engineer personnel: Robert Peterson (EA) and Lynette Mokry (EA)

VISITORS TO SITE:

- None

PROJECT SCHEDULE ISSUES:

- None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

- Photo log

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

PHOTO LOG

Stormwater Outfall, Northeast of Site

Geophysical Survey, Northern Incinerator Bldg.

Stormwater Outfall, Northwest of Site

Geophysical Survey, Baker Hall Property

Smokes Creek, North of SD-06A

DAILY OBSERVATION REPORT

Day: Monday Date: 04/15/2013

Temperature: (F)	50	(am)	65	(pm)
Wind Direction:	NW	(am)	NW	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Sunny
(pm) Sunny

Contract # D-007624

Lackawanna, New York

Arrive at site 08:00 (am)
Leave site: 17:00 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes ( ) No (X)

DESCRIPTION OF DAILY WORK PERFORMED:

Robert Peterson (EA) and Charles Yarrington (EA) arrived on-site at 08:00. Met with GeoLogic NY, Inc. to conduct boreholes and surface soil samples

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
SB-19(0-2), (2-4)*, (4-6), (6-7)	915206-SB-19 (0-2), (2-4), (4-6), (6-7)	Subsurface soil samples (TAL metals)
SB-22(0-2), (2-4), (4-6), (6-7)	915206-SB-22 (0-2), (2-4), (4-6), (6-7)	Subsurface soil samples (TCL SVOCs, TAL metals)
SB-23(0-2), (2-4), (4-6), (6-8)	915206-SB-23 (0-2), (2-4), (4-6), (6-8)	Subsurface soil samples (TCL SVOCs, TAL metals)
SB-24(0-2), (2-4), (4-6), (6-8)	915206-SB-24 (0-2), (2-4), (4-6), (6-8)	Subsurface soil samples (TCL SVOCs, TAL metals)
SB-25(0-1), (1-2), (4-6), (6-8)	915206-SB-25 (0-1), (1-2), (4-6), (6-8)	Subsurface soil samples (TCL SVOCs, TAL metals)
SB-WC(0-2), (2-4), (4-6), (6-8)	915206-SB-WC (0-2), (2-4), (4-6), (6-8)	Subsurface soil sample (TCLP metals)
SS-19	915206-SS-19	Surface soil sample (TAL metals)
SS-20	915206-SS-20	Surface soil sample (TAL metals)
SS-21	915206-SS-21	Surface soil sample (TAL metals)
SS-22	915206-SS-22	Surface soil sample (TCL SVOCs, TAL metals)
SS-23	915206-SS-23	Surface soil sample (TCL SVOCs, TAL metals)
SS-24	915206-SS-24	Surface soil sample (TCL SVOCs, TAL metals)
SS-25	915206-SS-25	Surface soil sample (TCL SVOCs, TAL metals)

DAILY OBSERVATION REPORT

Day: Monday Date: 04/15/2013

Contractor Sample ID:	DEC Sample ID:	Description:
SS-03	915206-SS-03	Surface soil sample (TAL metals)
SS-04	915206-SS-04	Surface soil sample (TAL metals)
SD-10FP	915206-SD-10FP	Sediment sample (TAL metals, cyanide, TOC)
SD-11FP	915206-SD-11FP	Sediment sample (TAL metals, cyanide, TOC)
SD-12FP	915206-SD-12FP	Sediment sample (TAL metals, cyanide, TOC)
SB-DUPLICATE-06	915206-SB-DUPLICATE-06	Subsurface soil sample (TAL metals)

* MS/MSD sample

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Scott Breeds and John (GeoLogic NY)

Contractor equipment: Track drill rig equipped with macrocore

Other Subcontractors: None

Engineer personnel: Robert Peterson (EA) and Charles Yarrington (EA)

VISITORS TO SITE:

- None

PROJECT SCHEDULE ISSUES:

- None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

None

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

DAILY OBSERVATION REPORT

Day: Tuesday Date: 04/16/2013

Temperature: (F)	50	(am)	65	(pm)
Wind Direction:	NW	(am)	NW	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Overcast
(pm) Rainy

Contract # D-007624

Lackawanna, New York

Arrive at site 08:00 (am)
Leave site: 17:00 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes ( ) No (X)

DESCRIPTION OF DAILY WORK PERFORMED:

Robert Peterson (EA) and Charles Yarrington (EA) arrived on-site at 08:00. Met with GeoLogic NY, Inc. To conduct boreholes and surface soil samples

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
SB-20(0-2), (2-4)*	915206-SB-20 (0-2), (2-4)	Subsurface soil sample (TAL metals)
SB-21(0-2), (2-4)	915206-SB-21 (0-2), (2-4)	Subsurface soil sample (TAL metals)
MW-03A	915206-MW-03A	Groundwater (TCL VOCs, TCL SVOCs, TAL inorganics, MNA)
MW-06	915206-MW-06	Groundwater (TCL VOCs, TCL SVOCs, TAL inorganics, MNA)
SS-26	915206-SS-26	Surface soil sample (TCL SVOCs, TAL metals)
SS-27	915206-SS-27	Surface soil sample (TCL SVOCs, TAL metals)
SS-28	915206-SS-28	Surface soil sample (TCL SVOCs, TAL metals)
SS-29	915206-SS-29	Surface soil sample (TCL SVOCs, TAL metals)
SS-30	915206-SS-30	Surface soil sample (TCL SVOCs, TAL metals)
SS-31	915206-SS-31	Surface soil sample (TCL SVOCs, TAL metals)
SS-32	915206-SS-32	Surface soil sample (TCL SVOCs, TAL metals)
SS-33	915206-SS-33	Surface soil sample (TCL SVOCs, TAL metals)
SD-08	915206-SD-08	Sediment sample (TAL metals, cyanide, TOC)
SD-09	915206-SD-09	Sediment sample (TAL metals, cyanide, TOC)
SD-DUPLICATE-02	915206- SD-DUPLICATE-02	Sediment sample (TAL metals, cyanide, TOC)
SB-DUPLICATE-07	915206- SB-DUPLICATE-07	Subsurface soil sample (TAL metals)

DAILY OBSERVATION REPORT **Day: Tuesday Date: 04/16/2013**

* MS/MSD collected

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Scott Breeds and John (GeoLogic NY)

Contractor equipment: Track rig equipped with macrocore

Other Subcontractors: None

Engineer personnel: Robert Peterson (EA) and Charles Yarrington (EA)

VISITORS TO SITE:

- None

PROJECT SCHEDULE ISSUES:

- None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

None

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

DAILY OBSERVATION REPORT **Day: Wednesday Date: 04/17/2013**

Temperature: (F)	50	(am)	70	(pm)
Wind Direction:	NW	(am)	NW	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Sunny
(pm) Sunny

Contract # D-007624

Lackawanna, New York

Arrive at site 08:00 (am)
Leave site: 17:00 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes ( ) No (X)

DESCRIPTION OF DAILY WORK PERFORMED:
Robert Peterson (EA) and Charles Yarrington (EA) arrived on-site at 08:00 to conduct groundwater and surface soil sampling.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
MW-07*	915206-MW-07	Groundwater (TCL VOCs, TCL SVOCs, TAL inorganics, MNA)
MW-02A	915206-MW-02A	Groundwater (TCL VOCs, TCL SVOCs, TAL inorganics, MNA)
MW-05	915206-MW-05	Groundwater (TCL VOCs, TCL SVOCs, TAL inorganics, MNA)
MW-04	915206-MW-04	Groundwater (TCL VOCs, TCL SVOCs, TAL inorganics, MNA)
MW-08	915206-MW-08	Groundwater (TCL VOCs, TCL SVOCs, TAL inorganics, MNA)
MW-DUPLICATE-04	915206-MW-DUPLICATE-04	Groundwater (TCL VOCs, TCL SVOCs, TAL inorganics, MNA)
SS-26	915206-SS-26	Surface soil (TCL SVOCs, TAL metals)
SS-DUPLICATE-02	915206-SS-DUPLICATE-02	Surface soil (TCL SVOCs, TAL metals)
SS-27*	915206-SS-27	Surface soil (TCL SVOCs, TAL metals)

* MS/MSD sample collected

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: NA

Contractor equipment: NA

Other Subcontractors: None

Engineer personnel: Robert Peterson (EA) and Charles Yarrington (EA)

VISITORS TO SITE:

- None

PROJECT SCHEDULE ISSUES:

- None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

None

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

DAILY OBSERVATION REPORT **Day: Thursday Date: 04/18/2013**

Temperature: (F)	45	(am)	na	(pm)
Wind Direction:	NW	(am)	na	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Sunny
(pm) na

Contract # D-007624 Arrive at site 08:00 (am)

Lackawanna, New York Leave site: 1100 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes ( ) No (X)

DESCRIPTION OF DAILY WORK PERFORMED:

Robert Peterson (EA) and Charles Yarrington (EA) arrived on-site at 08:00 to conduct surface water sampling.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
SW-05	915206-SW-05	Surface water sample (TAL inorganics, hardness)
SW-06	915206-SW-06	Surface water sample (TAL inorganics, hardness)
SW-07	915206-SW-07	Surface water sample (TAL inorganics, hardness)
SW-08*	915206-SW-08	Surface water sample (TAL inorganics, hardness)
SW-09	915206-SW-09	Surface water sample (TAL inorganics, hardness)
SW-DUPLICATE	915206-SW-DUPLICATE	Surface water sample (TAL inorganics, hardness)

* MS/MSD sample collected

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: NA

Contractor equipment: NA

Other Subcontractors: None

Engineer personnel: Robert Peterson (EA) and Charles Yarrington (EA)

DAILY OBSERVATION REPORT

Day: Thursday Date: 04/18/2013

VISITORS TO SITE:

- None

PROJECT SCHEDULE ISSUES:

- None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

None

SITE REPRESENTATIVE:

Name: Robert Peterson

Signature:

DAILY OBSERVATION REPORT

Day: Monday **Date: 07/1/2013**

Temperature: (F) 65 (am) 75 (pm)

Wind Direction: (am) (pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Overcast
(pm) Overcast, some rain

Contract # D-007624

Lackawanna, New York

Arrive at site 0700 (am)

Leave site: 1400 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

Charles Yarrington (EA) and Rob Peterson arrive at 0700 and began collecting the 4' hand driven macrocore samples and surface soil samples just north of the Stadium. At 0900 EA representatives met with the National Fuel representative and walked the buried gas line on the Baker Hall Property. Following the fuel line clearance, samples at locations 37, 38, and 39 were collected after checking in with cemetery personnel. Break for lunch.

After lunch the samples at locations 40, 41, and 42 were collected. Minimal ponding was observed in the forested area. Depart site for FedEx at 1400.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-SB-34(0-1)	NA	SubSurface macrocore sample (TAL metals & cyanide)
915206-SB-34(1-2)	NA	SubSurface macrocore sample (TAL metals & cyanide)
915206-SB-34(2-3)	NA	SubSurface macrocore sample (TAL metals & cyanide)
915206-SB-34(3-4)	NA	SubSurface macrocore sample (TAL metals & cyanide)
915206-SB-35(0-1)	NA	SubSurface macrocore sample (TAL metals & cyanide)
915206-SB-35(1-2)	NA	SubSurface macrocore sample (TAL metals & cyanide)
915206-SB-35(2-3)	NA	SubSurface macrocore sample (TAL metals & cyanide)
915206-SB-35(3-4)	NA	SubSurface macrocore sample (TAL metals & cyanide)
915206-SB-36(0-1)	NA	SubSurface macrocore sample (TAL metals & cyanide)
915206-SB-36(1-2)	NA	SubSurface macrocore sample (TAL metals & cyanide)
915206-SB-36(2-3)	NA	SubSurface macrocore sample (TAL metals & cyanide)

915206-SB-36(3-4)	NA	SubSurface macrocore sample (TAL metals & cyanide)
915206-SB-37(0-1)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-37(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-38(0-1)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-38(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-39(0-1)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-39(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-40(0-1)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-40(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-41(0-1)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-41(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-42(0-1)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-42(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SS-34	NA	Surface soil sample (composite) (TAL metals & cyanide)
915206-SS-35	NA	Surface soil sample (composite) (TAL metals & cyanide)
915206-SS-36	NA	Surface soil sample (composite) (TAL metals & cyanide)
915206-SS-37	NA	Surface soil sample (composite) (TAL metals)
915206-SS-38	NA	Surface soil sample (composite) (TAL metals)
915206-SS-39	NA	Surface soil sample (composite) (TAL metals)
915206-SS-40	NA	Surface soil sample (composite) (TAL metals)
915206-SS-41	NA	Surface soil sample (composite) (TAL metals)
915206-SS-42	NA	Surface soil sample (composite) (TAL metals)
914206-FB-070113	NA	Field blank water sample (TAL metals & cyanide)

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: NA

Contractor equipment: NA

Other Subcontractors: None

Engineer personnel: Charles Yarrington (EA) and Rob Peterson (EA)

VISITORS TO SITE:

- None

PROJECT SCHEDULE ISSUES:

- None. Hand driven macrocoring went well.

PROJECT BUDGET ISSUES:
None

ITEMS OF CONCERN:
None

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: Charles Yarrington

Signature:

Photolog

1 - View to south from near SS/SB-42

2 - View to west from near SS/SB-42

DAILY OBSERVATION REPORT

Day: Tuesday Date: 07/2/2013

Temperature: (F) 65 (am) NA (pm)

Wind Direction: (am) (pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Overcast
(pm) NA

Contract # D-007624

Arrive at site 0700 (am)

Lackawanna, New York

Leave site: 1030 (am)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

Charles Yarrington (EA) and Rob Peterson arrive at 0715 and collected sampling locations 44, 45, 47, and 48 on Baker Hall Property. More ponding was observed due to overnight rainfall, but no sampling locations had to be altered. Locations 43 and 46, north of the fence, were collected next. Finally, the addition surface soil sample location (~100' east of 39) 39A was collected.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-SB-43(0-1)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-43(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-44(0-1)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-44(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-45(0-1)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-45(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-46(0-1)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-46(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-47(0-1)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-47(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-48(0-1)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-48(1-2)	NA	SubSurface macrocore sample (TAL metals)

915206-SS-43	NA	Surface soil sample (composite) (TAL metals)
915206-SS-44	NA	Surface soil sample (composite) (TAL metals)
915206-SS-45	NA	Surface soil sample (composite) (TAL metals)
915206-SS-46	NA	Surface soil sample (composite) (TAL metals)
915206-SS-47	NA	Surface soil sample (composite) (TAL metals)
915206-SS-48	NA	Surface soil sample (composite) (TAL metals)
915206-SS-39A	NA	Surface soil sample (composite) (TAL metals)
914206-FB-070213	NA	Field blank water samples (TAL metals)

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: NA

Contractor equipment: NA

Other Subcontractors: None

Engineer personnel: Charles Yarrington (EA) and Rob Peterson (EA)

VISITORS TO SITE:

- None

PROJECT SCHEDULE ISSUES:

- None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

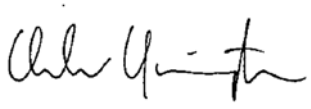
None

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: Charles Yarrington

Signature:



Photolog

1 **- View to east along south bank of Smokes Creek**

2 - View to west along north bank Smokes Creek

DAILY OBSERVATION REPORT

Day: Tuesday Date: 08/13/2013

Temperature: (F) 70 (am) (pm)

Wind Direction: (am) (pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Partly sunny
(pm)

Contract # D-007624

Lackawanna, New York

Arrive at site 0800 (am)
Leave site: 1100 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes ( ) No (X)

DESCRIPTION OF DAILY WORK PERFORMED:

Charles Yarrington (EA) and Rob Peterson arrive at 0700 and began collecting the 2' hand driven macrocore samples and surface soil samples just north of the park, and south of Smokes Creek. EA also collected an additional samples from SB-43 at the 2-3' interval

Depart site for FedEx at 1100.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-SB-43(2-3)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-49(0-1)	NA	SubSurface macrocore sample (TAL metals) (MS/MSD)
915206-SB-49(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-50(0-1)	NA	SubSurface macrocore sample (TAL metals) (DUPLICATE13)
915206-SB-50(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-51(0-1)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-51(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-52(0-1)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-52(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-53(0-1)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-53(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SB-54(0-1)	NA	SubSurface macrocore sample (TAL metals)

DAILY OBSERVATION REPORT

Day: Tuesday Date: 08/13/2013

915206-SB-54(1-2)	NA	SubSurface macrocore sample (TAL metals)
915206-SS-49	NA	Surface soil sample (composite) (TAL metals & cyanide)
915206-SS-50	NA	Surface soil sample (composite) (TAL metals & cyanide)
915206-SS-51	NA	Surface soil sample (composite) (TAL metals & cyanide)
915206-SS-52	NA	Surface soil sample (composite) (TAL metals)
915206-SS-53	NA	Surface soil sample (composite) (TAL metals)
915206-SS-54	NA	Surface soil sample (composite) (TAL metals)
914206-Rinseate Blank	NA	Field blank water sample (TAL metals & cyanide)

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: NA

Contractor equipment: NA

Other Subcontractors: None

Engineer personnel: Charles Yarrington (EA) and Rob Peterson (EA)

VISITORS TO SITE:

- None

PROJECT SCHEDULE ISSUES:

- None. Hand driven macrocoring went well.

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: Charles Yarrington

Signature:

DAILY OBSERVATION REPORT

Day: Wednesday Date: 10/29/2013

Temperature: (F)	40	(am)	50	(pm)
Wind Direction:	E 0-5 mph	(am)	E 0-5 mph	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Mostly sunny
(pm) Mostly cloudy

Contract # D-007624

Lackawanna, New York

Arrive at site 0800 (am)
Leave site: 1830 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes (X)	n/a ( )	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes (X) No ( )
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

Lynette Mokry (EA) arrived onsite at 0800 to meet drillers (Dave Steiner, drilling manager and Art, geoprobe operator, from SJB/Empire) for site walk to markout locations, evaluate areas where brush clearing is needed, and review utility locations. Received notice that National Fuel gas locator will not be available for the 0900 requested utility meeting, but will come by later (on an emergency markout).

Hilary Williams (EA) arrived onsite at 0900. Continue marking out locations with pin flags and pink flagging using the Trimble GPS. Art cleared vegetation to be able to get rig to sample locations. Began sampling in northwestern corner of Baker Hall property at SB-A2, continued east and south from there. Denise Wilt (EA) onsite around 1200. She set up the XRF equipment and began calibration process to prepare for sample processing. Completed 16 soil borings.

Cleaned up site and equipment. Art offsite at 1730. EA offsite at 1830.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-SB-A2	NA	XRF for metals from 1 ft. intervals
915206-SB-A4	NA	XRF for metals from 1 ft. intervals; 0-1 ft. (1305), 2-2.3 ft (1306) samples submitted for TAL Metals 6010B (lead only)
915206-SB-B3	NA	XRF for metals from 1 ft. intervals; 0-1 ft (1210), 1-2 ft. (1211) and 3-4 ft. (1212) samples submitted for TAL Metals 6010B (lead only)
915206-SB-C2	NA	XRF for metals from 1 ft. intervals; 1-2 ft. (1129) and 3-4 ft. (1130), and 4-5 ft. (1131) samples submitted for TAL Metals 6010B (lead only)
915206-SB-C4	NA	XRF for metals from 1 ft. intervals; 0-1 ft. (1325) and MS/MSD samples submitted for TAL Metals 6010B (lead only)

915206-SB-D3	NA	XRF for metals from 1 ft. intervals; 1-1.6 ft. (1540) sample submitted for TAL Metals 6010B (lead only)
915206-SB-D5	NA	XRF for metals from 1 ft. intervals
915206-SB-D7	NA	XRF for metals from 1 ft. intervals; 0-1 ft. (1430) and MS/MSD sample submitted for TAL Metals 6010B (lead only)
915206-SB-E4	NA	XRF for metals from 1 ft. intervals
915206-SB-E6	NA	XRF for metals from 1 ft. intervals
915206-SB-F1	NA	XRF for metals from 1 ft. intervals; 2-3 ft. (1559) sample submitted for TAL Metals 6010B (lead only)
915206-SB-F5	NA	XRF for metals from 1 ft. intervals
915206-SB-F7	NA	XRF for metals from 1 ft. intervals
915206-SB-G2	NA	XRF for metals from 1 ft. intervals; 0-1 ft. (1618) sample submitted for TAL Metals 6010B (lead only)
915206-SB-I2	NA	XRF for metals from 1 ft. intervals; 0-1 ft. (1645) and 1-2 ft (1646) sample submitted for TAL Metals 6010B (lead only)
915206-SB-J1	NA	XRF for metals from 1 ft. intervals; 0-1 ft. (1700) and 1-2 ft (1701) sample submitted for TAL Metals 6010B (lead only)
915206-SB-K2	NA	XRF for metals from 1 ft. intervals; ; 1-2 ft. (1719) and 2-3 ft (1720) sample submitted for TAL Metals 6010B (lead only)
915206-SB-DUPLICATE-01	NA	Field duplicate of A4-0-1 for TAL Metals 6010B (lead only)

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Art K. (SJB)
Contractor equipment: GeoProbe

Other Subcontractors: None

Engineer personnel: Lynette Mokry (EA), Hilary Williams (EA), and Denise Wilt (EA)

VISITORS TO SITE:

Jeremy (National Fuel locator)

PROJECT SCHEDULE ISSUES:

- None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

None

COMMENTS:

None.

DAILY OBSERVATION REPORT

Day: Wednesday Date: 10/29/2013

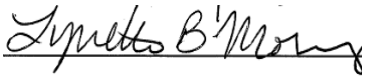
ATTACHMENT(S) TO THIS REPORT:

1. Soil Boring Location Map
2. Photo Log

SITE REPRESENTATIVE:

Name: Lynette Mokry

Signature:



PHOTOLOG:

View to Northwest from A2

Soil Recovered from A4

View to west, drilling north of gas line

Soil recovered from E6

DAILY OBSERVATION REPORT **Day: Wednesday Date: 10/30/2013**

Temperature: (F)	40	(am)	60	(pm)
Wind Direction:	E	(am)	E	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Partly cloudy
(pm) Sun, slight wind

Contract # D-007624 Arrive at site 0715 (am)

Lackawanna, New York Leave site: 1615 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes (X)	n/a ( )	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes ( ) No (X)

DESCRIPTION OF DAILY WORK PERFORMED:

Hilary Williams (EA) arrived on-site at 0715. Set up the CAMP stations – one in NW corner of the site, one downwind along pathway near the gas line marker. Art (SJB) onsite at 0730. H. Williams continued marking out locations with pin flags and pink flagging using the Trimble GPS. Art cleared vegetation to be able to get rig to sample locations. Began sampling at SB-B5.

Denise Wilt (EA) onsite around 0830. She set up the XRF equipment and began calibration process to prepare for sample processing. Jim Hayward (EA) and Joe VonUderitz (EA) arrived onsite to walk the area and prepare for site walk with bidders next week. They suggested targeting more of the mounded areas in the forested section of the site.

Continued with GeoProbe along fence line until 12:15. Took brief break for lunch. J. Hayward and J. VonUderitz offsite around lunchtime. Delivered samples to Denise for processing.

Started up again with Geoprobe at F16 at 1300. Took samples at all of the locations denoted as “primary” on the proposed sample location map. Per request of L. Mokry, added location at L3, right next to pavilion. Collected surface soil samples from C12 and D14 (both locations on mounded areas). Cleaned up site and equipment. Art offsite at 1600. D. Wilt and H. Williams offsite at 1615.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-SB-B5	NA	XRF for metals from 1 ft. intervals; 0-1 ft. (0905) sample submitted for TAL Metals 6010B (lead only)
915206-SB-A6	NA	XRF for metals from 1 ft. intervals
915206-SB-C6	NA	XRF for metals from 1 ft. intervals
915206-SB-B7	NA	XRF for metals from 1 ft. intervals; 0-1 ft. (0949) and 2-3 ft. (0950) samples submitted for TAL Metals 6010B (lead only)

915206-SB-A8	NA	XRF for metals from 1 ft. intervals; 0-1 ft. (1005) sample submitted for TAL Metals 6010B (lead only)
915206-SB-B9	NA	XRF for metals from 1 ft. intervals
915206-SB-A10	NA	XRF for metals from 1 ft. intervals; 0-1 ft. (1041) sample submitted for TAL Metals 6010B (lead only)
915206-SB-B11	NA	XRF for metals from 1 ft. intervals
915206-SB-B13	NA	XRF for metals from 1 ft. intervals
915206-SB-A12	NA	XRF for metals from 1 ft. intervals; 0-1 ft. (1135) sample submitted for TAL Metals 6010B (lead only)
915206-SB-A14	NA	XRF for metals from 1 ft. intervals; 0-1 ft. (1140) sample submitted for TAL Metals 6010B (lead only), duplicate collected here (SB-DUPLICATE-02)
915206-SB-B15	NA	XRF for metals from 1 ft. intervals
915206-SB-A16	NA	XRF for metals from 1 ft. intervals
915206-SB-F16	NA	XRF for metals from 1 ft. intervals
915206-SB-G15	NA	XRF for metals from 1 ft. intervals
915206-SB-F14	NA	XRF for metals from 1 ft. intervals
915206-SB-H14	NA	XRF for metals from 1 ft. intervals
915206-SB-H16	NA	XRF for metals from 1 ft. intervals
915206-SB-G6	NA	XRF for metals from 1 ft. intervals
915206-SB-G4	NA	XRF for metals from 1 ft. intervals; 0-1 ft. (1420) and 1-2 (1421) samples submitted for TAL Metals 6010B (lead only)
915206-SB-H3	NA	XRF for metals from 1 ft. intervals; 0-1 ft. (1430) sample submitted for TAL Metals 6010B (lead only)
915206-SB-I4	NA	XRF for metals from 1 ft. intervals
915206-SB-K4	NA	XRF for metals from 1 ft. intervals; 1-2 ft. (1457) sample submitted for TAL Metals 6010B (lead only)
915206-SB-L3	NA	XRF for metals from 1 ft. intervals
915206-SS-C12	NA	XRF for metals from 0-0.5 ft. interval
915206-SS-D14	NA	XRF for metals from 0-0.5 ft. interval

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Art K. (SJB)

Contractor equipment: GeoProbe

Other Subcontractors: None

Engineer personnel: Hilary Williams (EA) and Denise Wilt (EA)

VISITORS TO SITE:

- Jim Hayward (EA) and Joe VonUderitz (EA)

DAILY OBSERVATION REPORT

Day: Wednesday Date: 10/30/2013

PROJECT SCHEDULE ISSUES:

- None

PROJECT BUDGET ISSUES:
None

ITEMS OF CONCERN:
None

COMMENTS:
None.

ATTACHMENT(S) TO THIS REPORT:

1. None

SITE REPRESENTATIVE:

Name: Hilary Williams

Signature:

DAILY OBSERVATION REPORT

Day: Thursday Date: 1/30/2014

Temperature: (F)	15	(am)	20	(pm)
Wind Direction:	E	(am)	E	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) windy
(pm) windy

Contract # D-007624

Lackawanna, New York

Arrive at site 1145 (am)
Leave site: 1245 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes (X) No ( )
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

Lynette Mokry and Jim Hayward (EA) on-site to stake out 6 proposed surface soil/soil boring locations (SS/SB-55 through SS/SB-60) for utility clearance.

PROJECT TOTALS: N/A
SAMPLING (Soil/Water/Air): N/A

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor personnel/equipment: None

Engineer personnel: Lynette Mokry, Jim Hayward (EA)

VISITORS TO SITE: None

PROJECT SCHEDULE/BUDGET ISSUES: None

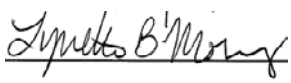
COMMENTS: None

ATTACHMENT(S) TO THIS REPORT:

1. Photo Log (from reconnaissance previous afternoon)
2. Mark-Up of Proposed Locations Figure for Utility Clearance Request

SITE REPRESENTATIVE:
Name: Lynette Mokry

Signature:



View to East toward Proposed SS/SB-55; from East End of Paved Path

View to East from near Proposed SS/SB-57

View West from near Proposed SS/SB-56

View Northwest from near Proposed SS/SB-56

Holy Cross Cemetery Property

9A

128 Maryknoll Dr.
Kraus, Carolyn M

Hand-Driven Macrocore (no vehicle access) ~65' east of RR track, south bank creek

City of Lackawanna Property

SS-60/
SB-60

Smokes Creek

City of Lackawanna Property

SS-50/
SB-50

SS-51/
SB-51

SS-52/
SB-52

SS-53/
SB-53

SS-54/
SB-54

SS-55/
SB-55

SS-56/
SB-56

SS-57/
SB-57

SS-58/
SB-58

SS-59/
SB-59

investigation area extends ~930 ft east, in ~60 ft wide strip south of Smokes Creek,
from western boundary located ~2,325 ft east of S. Park Ave (immediately east of eastern end of paved/plowed creek walk) and ~1,230 ft north of Martin Rd.

104 106 112 118 122 128 132 138 140

Mary Knoll Dr

102

2

1

St. Anthony Dr; cross-street S. Shore Blvd

City of Lackawanna Property

City of Lackawanna Property

Galanti Park, behind 230 Martin Rd
(Senior Citizens Center)

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Legend

- Tax Parcels
- Monitoring Well
- Surface Soil / Soil Boring
- Surface Soil
- Proposed Surface Soil / Hand Auger Boring
- Sediment
- Sediment / Surface Water
- Surface Water

~1,250 ft to Cross-St Martin Rd and Mary Knoll Dr

LACKAWANNA INCINERATOR
LACKAWANNA, NEW YORK

FIGURE 2
Proposed RI Supplemental Sampling Locations

0 50 100 200 Feet
1 inch = 100 feet

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JMB	ALK	CSY	LM	AS SHOWN	JANUARY 2014	14907.10	14907.10 - Lackawanna Incinerator/ GIS/MXD/RI

DAILY OBSERVATION REPORT

Day: Monday **Date: 2/24/2014**

Temperature: (F)	15	(am)	20	(pm)
Wind Direction:	E	(am)	E	(pm)

Project Name
Lackawanna Former Incinerator Site
NYSDEC Site # 9-15-206

Weather: (am) Snow, windy
(pm) Snow, windy

Contract # D-007624

Arrive at site 0715 (am)

Lackawanna, New York

Leave site: 1235 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes (X)	n/a ( )	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes ( ) No (X)

DESCRIPTION OF DAILY WORK PERFORMED:

Charles Yarrington (EA) arrived on-site at 0715. Began surface soil (SS) sampling immediately using dedicated sampling equipment. SS sampling completed at 0900. Called Steve Laramie (GeoLogic) to get an ETA and began filling out paperwork in the meantime.

At around 0930 the property owner at the NE corner on Maryknoll Drive (105 Maryknoll?) came out to chat, mentioned that whenever he digs his garden “all he digs up is glass”.

At around 1030 the property owner (Al) immediately south of the corner property came out to chat, told us about the depth of the ditch, and also mentioned that his “backyard is all glass”.

Steve Laramie and Dave Lyons arrived at 1000 and began mobilizing. Started conducting soil borings (SB) at 1050. Finished SBs at around 1230. The GeoProbe rig kept getting stuck which caused delays after drilling was completed.

Collected RB022414 at around 1215 from macrocore shoe.

Drillers offsite at around 1230. C. Yarrington offsite at around 1235. Grabbed lunch to go and began filling out chains and other paperwork. Shipped samples at around 1430.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
915206-SS-55	NA	Surface soil
915206-SS-56	NA	Surface soil
915206-SS-57	NA	Surface soil

915206-SS-58	NA	Surface soil
915206-SS-59	NA	Surface soil
915206-SS-60	NA	Surface soil
915206-SB-55(0-1)	NA	Subsurface soil
915206-SB-55(1-2)	NA	Subsurface soil
915206-SB-55(2-3)	NA	Subsurface soil
915206-SB-56(0-1)	NA	Subsurface soil
915206-SB-56(1-2)	NA	Subsurface soil (MS/MSD HERE)
915206-SB-56(2-3)	NA	Subsurface soil
915206-SB-56(3-4)	NA	Subsurface soil
915206-SB-57(0-1)	NA	Subsurface soil
915206-SB-57(1-2)	NA	Subsurface soil
915206-SB-57(2-3)	NA	Subsurface soil
915206-SB-58(0-1)	NA	Subsurface soil
915206-SB-58(1-2)	NA	Subsurface soil (MS/MSD HERE)
915206-SB-58(2-3)	NA	Subsurface soil
915206-SB-59(0-1)	NA	Subsurface soil
915206-SB-59(1-2)	NA	Subsurface soil
915206-SB-60(0-1)	NA	Subsurface soil
915206-SB-60(1-2)	NA	Subsurface soil
915206-SS-DUPLICATE022414	NA	Subsurface soil from SS-55
915206-SB-DUPLICATE01022414	NA	Subsurface soil from SB-58(2-3)
915206-SB-DUPLICATE02022414	NA	Subsurface soil from SB-59(1-2)
915206-RB022414	NA	Rinse Blank

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Steve Laramie and Dave Lyons (Geologic)

Contractor equipment: GeoProbe

Other Subcontractors: None

Engineer personnel: Charles Yarrington (EA)

VISITORS TO SITE:

- Two property owners stuck their heads over their fence to chat

DAILY OBSERVATION REPORT

Day: Monday Date: 2/24/2014

PROJECT SCHEDULE ISSUES:

- None

PROJECT BUDGET ISSUES:
None

ITEMS OF CONCERN:
None

COMMENTS:
None.

ATTACHMENT(S) TO THIS REPORT:

1. None

SITE REPRESENTATIVE:

Name: Charles Yarrington

Signature: