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ENVIRONMENTAL

Subject:
NYSEG Clark Street Former MGP Site
Upland PDI Summary Report

Date:
March 2, 2012

Contact:
Jason Brien, PE

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Our ref:
B0013091

Dear Mr. Spellman:

This letter has been prepared on behalf of NYSEG to summarize the activities and results of the Upland Pre-Design Investigation (Upland PDI) completed at the NYSEG Clark Street former Manufactured Gas Plant (MGP) Site located in Auburn, New York. The objectives of the Upland PDI were to:

- Confirm the horizontal limits of soil removal based on the criteria presented in the March 2009 New York State Department of Environmental Conservation (NYSDEC) Record of Decision (ROD) (NYSDEC, 2009).
- Delineate shallow foundations and obstructions within the soil removal area.
- Obtain geotechnical data necessary to evaluate and design soil excavation support systems.
- Obtain groundwater quality information to support the design of a temporary water treatment system to be used during soil excavation activities.
- Conduct a site survey to document the locations of Upland PDI sampling activities, utilities, and to facilitate preparation of the remedial design.

The following sections present descriptions of the Upland PDI activities, Upland PDI results, and rationale (supported by site investigation activities) that help to define the limits of the proposed soil removal areas for the selected site remedy.

Upland PDI Activities

Upland PDI activities were conducted during September and October 2011 in general accordance with the March 2009 NYSDEC ROD and the NYSDEC-approved February 2010 *Remedial Design Work Plan* (RDWP) (ARCADIS, 2010) including supporting documents consisting of *Field Sampling Plan* (FSP), *Quality Assurance Project Plan* (QAPP), and *Health and Safety Plan* (HASP).

Soil Investigation

Upland PDI soil investigation activities consisted of excavating test pits and drilling soil borings and rock cores to facilitate soil characterization; sample collection; obtaining additional rock quality information; and identifying of potential subsurface obstructions. An Upland PDI kick-off meeting was held on September 8, 2011 with ARCADIS, ARCADIS' drilling subcontractor (Parratt-Wolff, Inc. [Parratt-Wolff]) and a private utility locator (SoftDig, Inc. [SoftDig]). During the kick-off meeting, ARCADIS reviewed investigation locations and identified potential conflicts (i.e., physical obstructions, subsurface utilities) with the proposed investigation locations. Descriptions of the Upland PDI soil boring and test pitting activities are presented below.

Soil Borings

Parratt-Wolff completed a total of 12 soil borings (CSB-01 through CSB-12) using the hollow stem auger (HSA) drilling method. Prior to drilling soil boring locations were cleared to an approximate depth of four feet using an air knife and vacuum truck. Soil boring locations are shown on Figure 1. Parratt-Wolff completed five-foot-long rock cores at soil boring locations CSB-01, CSB-05, CSB-06, CSB-08, and CSB-12 using NX size coring equipment (i.e., 3-inch diameter core barrel). Variances in the soil borings completed during the Upland PDI relative to the RDWP consisted of the following:

- CSB-10 was not completed at its original location due to a concrete obstruction encountered at 3 feet below ground surface. The boring was completed 6 feet east of the proposed location.

- As identified in the RDWP, soil borings SB-05 through SB-09 were to be completed within the electrical substation. Soil borings could not be completed within the substation due to the presence of overhead electrical lines and

electrical transformers. Upland PDI soil borings were re-numbered as shown on Figure 1.

- Two additional soil borings (i.e., CSB-11 and CSB-12) were completed to obtain geotechnical information in the central portion of the site.

Soil samples were collected continuously at each boring location from the ground surface to the depth of completion using 2-inch diameter 2-foot long split-spoon sampling devices. An ARCADIS geologist measured and recorded the length of the representative sample recovered from each interval and visually characterized each soil sample for soil type and the presence of visible staining, sheen, NAPL, and obvious odors. Each sample was containerized and labeled with appropriate identification information (e.g., date, blow counts, depth interval, etc.).

Soil samples collected from soil boring locations CBS-01, CSB-02, CSB-03, CSB-04, CSB-10, and CSB-12 were submitted to TestAmerica, Inc. (TestAmerica) located in Amherst, New York for laboratory analysis of polycyclic aromatic hydrocarbons (PAHs) and benzene, toluene, ethylene, and xylenes (BTEX). Samples collected from soil borings CSB-05, CSB-06, CSB-07, CSB-08, CSB-09, and CSB-12 were not submitted for laboratory analysis based on the presence of visual impacts (i.e., NAPL, blebs, or staining). A summary of the soil sample analyses is presented in Table 1.

A total of 15 samples collected from 9 soil boring locations were submitted for geotechnical testing to Geotesting Express, Inc. located in Acton, Massachusetts for geotechnical analysis. Geotechnical testing consisted of moisture content, grain size analysis, Atterberg limits, and specific gravity. Cohesive soils were not encountered and therefore undisturbed soil samples were not collected. A summary of the soil sample geotechnical testing is presented in Table 1.

As indicated previously, Parratt-Wolff collected five-foot-long rock cores at soil boring locations CSB-01, CSB-05, CSB-06, CSB-08, and CSB-12. Each rock core was evaluated in the field in accordance with ASTM D6032 Rock Quality Designation (RQD) procedures to obtain additional rock quality information. Cores were labeled with pertinent information (e.g., depths, advancement rates, RQD%, etc.) and stored at the ARCADIS' Syracuse office off-site storage location.

After completing each boring, down-hole drilling equipment was decontaminated in accordance with the FSP. Parratt-Wolff constructed a temporary decontamination

pad and steam cleaned non-disposable equipment that came into contact with site soils.

Test Pits

Parratt-Wolff excavated a total of 11 test pits (CTP-1 through CTP-11) to facilitate evaluation of subsurface obstructions that may be relevant during the design of the selected site remedy. Test pit locations are shown on Figure 1.

Each test pit was completed using a track mounted excavator. Test pits were excavated to a depth of refusal (either on bedrock or a foundation element), to the water table, or until the sides of the test pit began caving in. Excavated material was staged on polyethylene sheeting adjacent to the test pits. An ARCADIS geologist observed the test pitting activities and noted the presence/absence, location, and type of subsurface structures encountered, along with the types of materials and visual impacts/odors (if any). Relevant observations were noted and photographed.

Variances in the test pits completed during the Upland PDI relative to the RDWP consisted of the following:

- Test pit location CTP-4A was completed to further delineate visual impacts observed in test pit location CTP-4.

- Test pit locations CTP-8, CTP-9, and CTP-10 were completed to further delineate visual impacts observed in CTP-7.

- Test pit location CTP-11 was completed based on visual impacts observed in test pit locations CTP-1 and CTP-2.

Parratt-Wolff then backfilled each test pit by replacing excavated material in the reverse order that it was removed.

Community Air Monitoring

In accordance with NYSDEC's DER-10/Technical Guidance for Site Investigation and Remediation (DER-10), ARCADIS conducted community air monitoring for volatile organic compounds (VOCs) and airborne particulate matter with a diameter of 10 micrometers or less (PM_{10}) during intrusive investigation activities (i.e., soil boring drilling and test pit excavation). One upwind station and one downwind station

were established each morning before the start of work and removed at the completion of each work day. Station locations were adjusted throughout the day based on prevailing wind direction. Instruments at each location were monitored periodically throughout the day for potential action level exceedances and data was retrieved from each instrument daily following the completion of site activities.

Waste Management

Investigation-derived waste (IDW) (e.g., soil cuttings, decontamination water, decontamination pad construction materials) were drummed and staged on-site at a NYSEG-approved location. Drums were labeled with a non-hazardous label describing the drum contents, as well as start and end accumulation dates. A soil waste characterization composite sample was collected and submitted to TestAmerica for analysis of toxicity characteristic leaching procedure (TCLP) benzene, polychlorinated-biphenyls, and reactivity.

Groundwater Investigation

ARCADIS conducted groundwater investigation activities during the week of September 26, 2011. As described in the RDWP, the groundwater activities were completed in support of designing a temporary groundwater treatment system for dewatering excavation areas.

Sampling activities were completed in accordance with the RDWP and the associated FSP. In accordance with the RDWP, prior to sampling groundwater, ARCADIS field personnel gauged each of the site wells for depth to water and depth to the bottom of the well. Following well purging, groundwater samples were collected utilizing manual bailing methods using dedicated polyethylene bailers.

Groundwater samples were collected from eight monitoring wells (MW-02, MW-02B, MW-03, MW-04, MW-04B, MW-05, MW05B, and MW-06) and submitted for the following parameters:

- Total Toxic Organics (TTO)
- Target Analyte List (TAL) inorganics and cyanide (filtered and unfiltered samples)
- Oil and grease
- Total suspended solids (TSS)
- Total dissolved solids (TDS)
- 5-Day biological oxygen demand (BOD5)

- Chemical oxygen demand (COD)
- Bioactivity (via iron-reducing, sulfate-reducing, and slime-forming bacteria)
- Total kjeldahl nitrogen (TKN)
- Hardness
- pH

With the exception of the bioactivity analysis, laboratory analyses were conducted by TestAmerica. Bioactivity analyses were conducted by Microbial Insights, located in Rockford, Tennessee. A groundwater sample summary is presented in Table 1.

Waste Management

Purge water was combined with the decontamination water generated during soil boring/test pitting activities. A liquid waste characterization composite sample was collected and submitted to TestAmerica for analysis of total benzene and total cyanide.

Survey

ARCADIS's surveying subcontractor, Paul James Olszewki, P.L.S., PLLC (Paul Olszewski, P.L.S.), completed surveying activities during two site visits in October 2011. Paul Olszewski, P.L.S. surveyed ground surface elevation and location for each soil boring and test pit completed during soil investigation activities. Paul Olszewski, P.L.S. also collected ground surface elevations to facilitate the generation of a one-foot topographic contour map of the site. In addition, ARCADIS surveyed subsurface obstructions encountered in test pits (e.g., subsurface pipes, walls, etc.) and subsurface utilities encountered during test pitting activities.

Site survey activities were conducted relative to the following:

- Horizontal datum: North American Datum of 1983, New York State Plane Coordinate System, Central Zone

- Vertical datum: North American Vertical Datum of 1988

A topographic map of the site is included on Figure 2.

Upland PDI Results

This section presents the results of the Upland PDI activities.

Soil Investigation

As indicated above, community air monitoring was conducted in support of the soil investigation activities. Upwind and downwind VOC and particulate levels (PM_{10}) recorded during the soil investigation activities are provided in Attachment 1. Action levels for VOCs and PM_{10} were not exceeded during the soil investigation activities.

Soil borings were completed at the locations shown on Figure 1. Soil boring logs are included as Attachment 2. Visually impacted soil was encountered at eight soil boring locations. A summary of the visual impacts observed in the Upland PDI soil borings is presented in Table 2 and briefly described below.

- NAPL blebs were generally observed in soil borings CSB-05, through CSB-09 from 7 to 10 feet below ground surface (bgs).

- NAPL blebs were observed from approximately 3.5 to 5.0 feet below grade in soil samples collected at soil boring CSB-10. Heavy sheens were observed at the same boring location from 3.5 to 9.0 feet below grade.

- Sheens and trace NAPL blebs were observed from approximately 3.0 to 10.5 feet below grade with bleb quantities increasing with depth in soil samples collected at soil boring CSB-11.

- NAPL blebs and NAPL-coated split spoons with sheens were observed from approximately 5.8 to 7.7 feet below grade in soil samples collected at soil boring location CSB-12. Sheen was observed at approximately 14.4 feet below grade during rock coring at soil boring CSB-12.

Analytical results for soil samples collected during the Upland PDI are presented in Table 3. Soil samples submitted for laboratory analysis did not contain total PAHs or total BTEX at concentrations greater than 500 or 10 milligrams per kilogram (mg/kg), respectively. A Data Usability Summary Report (DUSR) is included as Attachment 3.

The results of the geotechnical testing will be used during the design of the selected remedial alternative and are not discussed in detail in this letter report. As indicated

previously, cohesive soils were not encountered during the Upland PDI activities and therefore, undisturbed soil samples were not collected during the Upland PDI. Shallow overburden materials (i.e. materials shallower than 10 feet bgs) generally consist of fill materials. A total of 15 soil samples were submitted for grain size analysis, moisture content, Atterberg limits, and specific gravity. A copy of the geotechnical testing laboratory reports is included as Attachment 4.

Test pits were completed at the locations shown on Figure 1. Test pit logs are included as Attachment 5 and a photo log is included as Attachment 6. Notable findings/observations during the completion of the test pits include the following:

- Gas holder #2 foundation and walls were encountered in test pits CTP-6 and CTP-7.

- The wall of gas holder #1 was encountered in test pits CTP-3 and CTP-5.

- Test pits completed in the proposed removal area contained subsurface obstructions and debris including: abandoned pipes; concrete foundations; concrete and brick walls; and fill materials consisting of brick rubble, cinders, gravel, and sand/silt.

- Visual impacts present at quantities greater than stain/sheens/blebs were observed in the following test pits:

  - CTP-1 from 5 – 7 ft
  - CTP-2 from 7 – 10 ft
  - CTP-4 from 5 – 9 ft
  - CTP-4a at 6 ft
  - CTP-5 from 6 – 8.5 ft
  - CTP-7 from 5 – 7 ft
  - CTP-8 from 6 – 8 ft

Groundwater Investigation

Groundwater samples were collected from select monitoring wells in support of designing a temporary water treatment system to be utilized during remedial construction activities. Analytical results for groundwater samples are presented in Table 4. Groundwater sampling logs are included as Attachment 7.

Investigation Derived Waste

Waste characterization results for soil and liquid IDW generated during the Upland PDI activities are presented in Tables 5 and 6, respectively. Based on the results of the laboratory analysis, the IDW can be disposed of as non-hazardous waste. NYSEG will coordinate the transportation and off-site disposal of IDW through their waste handling contractor (Clean Harbors).

Proposed Removal Area

Proposed removal areas defined for the selected remedy are presented in the NYSDEC ROD. As indicated above, an objective of the Upland PDI was to confirm the proposed soil removal limits. Based on the results of the Upland PDI, proposed revised soil removal limits are shown on Figure 3. Rationale for establishing the revised limits for the proposed removal areas is presented below.

- Excavation limits were expanded in the southeast portion of the site based on visual impacts (i.e., NAPL) observed in PDI test pits CTP-1 and CTP-7, and step-out test pit CTP-8. NAPL was also observed in the overburden during installation of RI monitoring well MW-05B. Minor visual impacts (i.e., staining, sheens), which do not meet excavation criteria set forth in the ROD, were observed at RI geoprobe location GB-14, RI test boring location TB-09, and PDI soil boring CSB-04. Soil samples collected from GB-14 and CSB-04 did not contain total PAHs at concentrations greater than 500 mg/kg (a soil sample was not collected from TB-09). Additionally, PDI test pits CTP-9, CTP-10, and CTP-11 and PDI soil borings CSB-01, CSB-02, and CSB-03 were free of visual impacts and soil samples collected from PDI soil borings CSB-02 ad CSB-03 did not contain total PAHs at concentrations greater than 500 mg/kg. Therefore, the southeast portion of the revised removal area is delineated based on RI geoprobe location GB-14, PDI soil borings CSB-04 and CSB-01, and PDI test pits CTP-9 and CTP-10.

- Excavation limits were expanded in the western portion of the site based on visual impacts (i.e., NAPL) observed in test pit CTP-4 and step-out test pit CTP-4A. The western portion of the removal area has been established as shown on Figure 3 and is limited by the Owasco Outlet immediately north of test pit CTP-4A and the steeply upward sloping terrain immediately south of test pit CTP-4A.

- Although NAPL, NAPL blebs, and sheens were observed in test pits CTP-2, CTP-3, and CTP-4, the southwest removal limits have been established based on the steeply upward sloping terrain in this portion of the site and the absence of visual impacts in CTP-11.

- Although NAPL was observed in soil samples collected from PDI soil boring CSB-09, removal limits along the northeast have not been revised based on the absence of visual impacts in RI geoprobe locations GB-21 and GB-22.

Remedial Design Schedule

The schedule for the remedial design is dependent on NYSDEC review and approval of this Upland PDI Summary. An anticipated schedule for completing the remedial design is presented in the following table.

Schedule Component	Date
Preliminary (50%) Remedial Design Report to NYSDEC	April 30, 2012
NYSEG receives NYSDEC comments on the *Preliminary (50%) Remedial Design Report*	June 2012
Draft (95%) Remedial Design Report to NYSDEC	September 2012
NYSEG receives comments on the *Draft (95%) Remedial Design Report*	October 2012
Final (100%) Remedial Design Report to NYSDEC	November 2012

Please do not hesitate to contact Mr. John Ruspantini of NYSEG at 607.762.8787 or the undersigned at 315.671.9114 if you have any questions or comments regarding the information presented in this letter or any other aspects of this project.

Sincerely,

ARCADIS of New York, Inc.

Jason Brien, P.E.
Principal Engineer

Copies:
John Ruspantini, NYSEG (2 copies)
Richard Jones, NYSDOH
Terry Young, P.E., ARCADIS (w/o attachments)
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Tables

Table 1	Sample Analysis Summary
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Table 3	Soil Sample Analytical Results
Table 4	Groundwater Analytical Results
Table 5	Soil Waste Characterization Results
Table 6	Liquid Waste Characterization Results

Figures

Figure 1	Pre-Design Investigation Location Map
Figure 2	Topographic Map
Figure 3	Proposed Soil Removal Areas

Attachments

Attachment 1	Air Monitoring Logs (on CD)
Attachment 2	Soil Boring Logs
Attachment 3	Data Usability Summary Report (on CD)
Attachment 4	Geotechnical Testing Laboratory Report (on CD)
Attachment 5	Test Pit Logs
Attachment 6	Photo Log w/ figure
Attachment 7	Groundwater Sampling Logs (on CD)

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Tables

Table 1
Sample Analysis Summary

NYSEG - Clark Street Former MGP Site - Auburn, New York
PDI Summary Report

Location	Depth	Date	BTEX	PAHs	Total Toxic Organics - VOCs	Total Toxic Organics - SVOCs	Target Analyte List - Inorganics + Mercury	Target Analyte List - Cyanide	Oil & Grease	Total Suspended Solids (TSS)	Total Dissolved Solids (TDS)	5 Day Biochemical Oxygen Demand (BOD5)	Chemical Oxygen Demand	Bioactivity	Total Kjeldahl Nitrogen (TKN)	Hardness	pH	Moisture Content	Atterberg Limits	Grain-size analysis with #200 wash	Sieve Analysis with Hydrometer	Specific Gravity
Soil Samples																						
CSB-01	10.9-11.9	9/30/2011	x	x																		
CSB-02	12.0-14.0	9/29/2011	x	x																		
CSB-03	9.0-12.0	9/29/2011	x	x																		
CSB-04	7.0-9.0	9/29/2011	x	x																		
CSB-10	7.0-9.0	9/29/2011	x	x																		
CSB-12	10.2-12.2	9/28/2011	x	x																		
Groundwater Samples																						
MW-02	--	9/26/2011			x	x	x	x	x	x	x	x	x	x	x	x	x					
MW-02B	--	9/26/2011			x	x	x	x	x	x	x	x	x	x	x	x	x					
MW-03	--	9/28/2011			x	x	x	x	x	x	x	x	x	x	x	x	x					
MW-04	--	9/26/2011			x	x	x	x	x	x	x	x	x	x	x	x	x					
MW-04B	--	9/26/2011			x	x	x	x	x	x	x	x	x	x	x	x	x					
MW-05	--	9/28/2011			x	x	x	x	x	x	x	x	x	x	x	x	x					
MW-05B	--	9/28/2011			x	x	x	x	x	x	x	x	x	x	x	x	x					
MW-06	--	9/28/2011			x	x	x	x	x	x	x	x	x	x	x	x	x					
Geotechnical Samples																						
CSB-1	0.0-0.4	9/30/2011																		x		
CSB-1	8.0-11.9	9/30/2011																x	x			x
CSB-3	5.0-7.0	9/29/2011																x	x			
CSB-3	10.0-12.0	9/29/2011																x		x	x	
CSB-5	0.0-5.0	10/3/2011																x		x		
CSB-5	7.0-12.0	10/3/2011																		x		
CSB-6	5.0-9.0	10/6/2011																x		x		
CSB-6	9.0-12.8	10/6/2011																		x		x
CSB-7	8.0-12.4	10/4/2011																		x		
CSB-8	5.0-9.0	10/5/2011																x	x		x	
CSB-9	9.0-11.3	10/5/2011																x		x	x	
CSB-10	7.0-9.0	9/29/2011																x	x			
CSB-11	2.0-5.0	10/3/2011																		x		x
CSB-12	2.0-5.0	10/3/2011																x		x		
CSB-12	7.0-9.7	10/3/2011																x		x		x

Notes:

Analysis conducted by Microbial Insights located in Rockford, Tennessee.
Analysis conducted by TestAmerica located in Buffalo, New York.
Analysis conducted by GeoTesting Express located in Acton, Massachusetts.

Table 2
Visual Impacts Summary

NYSEG - Clark Street Former MGP Site - Auburn, New York
PDI Summary Report

Boring / Test Pit ID	Date Advanced	Potential Impacts	Description of Subsurface Soils	Depth of Completion	Samples Collected VOC & SVOC Analysis
Soil Borings					
CSB-01	9/30/2011	No obvious impacts	0 - 7 ft bgs - Gravel with silt and sand 7 - 11.9 ft bgs - Silt with little fine sand, trace gravel	11.9 ft bgs Rock coring - 18 ft bgs	10.9 - 11.9 ft bgs
CSB-02	9/29/2011	No obvious impacts	0 - 13.9 ft bgs - Silt with some Sand and Gravel	13.9 ft bgs	12 - 14 ft bgs
CSB-03	9/29/2011	No obvious impacts	0 - 6.9 ft bgs - Fill 6.9 - 10 ft bgs - Silt some fine sand 10 - 12 ft bgs - Gravel with little silt and sand	12.3 ft bgs	9 - 12 ft bgs
CSB-04	9/29/2011	Faint to moderate sheen at 5 ft bgs Slight pungent/burnt odor from 6 to 8 ft bgs	0 - 6 ft bgs - Fill 6 - 9.2 - Gravel with silt and sand	9.2 ft bgs	7 - 9 ft bgs
CSB-05	10/3/2011	Moderate MGP-like odor and dark staining from 4.5 to 5 ft bgs MGP-like odor and moderate NAPL blebs increasing with depth from 8 to 8.2 ft bgs NAPL blebs from 8 to 9 ft bgs	0 - 5 ft bgs - Fill 5 - 9.5 ft bgs - Fine SAND, little Silt and Gravel 9.5 - 10.5 ft bgs - Till-like material	Overburden - 10.5 ft bgs Rock coring - 18 ft bgs	None
CSB-06	10/4/2011	Faint MGP-like odor from 4.5 to 5 ft bgs Moderate MGP-like odor and trace dark staining from 5 to 6.3 ft bgs Little NAPL blebs from 7 to 7.4 ft bgs Moderate MGP-like odor and sheen from 9 to 10.3 ft bgs	0 - 7.4 ft bgs - Fine Sand, little silt and organics, trace 7.4 - 12.5 - Till like material 12.5 - 12.8 ft bgs - Weathered Rock	Overburden 12.8 ft bgs Rock coring - 18 ft bgs	None
CSB-07	10/4/2011	Little NAPL blebs, black staining, and MGP-like odor from 5 to 6.2 ft bgs Moderate to heavy NAPL coating and blebs, staining, and odor from 6.2 to 8 ft bgs Little NAPL at 10 ft bgs	0 - 8 ft bgs - Sand & Silt with gravel 8 - 14.4 ft bgs - Till	12.4 ft bgs	None
CSB-08	10/5/2011	Trace NAPL blebs from 7.5 to 7.7 ft bgs Moderate NAPL blebs, MGP-like odor, and sheen from 7.7 to 7.9 ft bgs	0 - 5 ft bgs - Fine Sand, little silt and Organics 5 - 7.7 ft bgs - SILT, little Sand, Organics and Gravel	Overburden 9 ft bgs Rock coring - 14 ft bgs	None
CSB-09	10/5/2011	MGP-like odor and trace sheen from 5 to 9.6 ft bgs Moderate to heavy NAPL blebs, sheen, and odor from 9 to 10 ft bgs	0 - 9.5 ft bgs - Fine Sand, little Gravel, trace organics 9.5 - 11.3 ft bgs - Till like material	11.3 ft bgs	None
CSB-10	9/29/2011	Trace NAPL blebs from 3.5 to 5 ft bgs. Heavy sheen and MGP-like odors from 3.5 to 9 ft bgs NAPL blebs on slough at 10.2 ft bgs	0 - 10.2 ft bgs - Sand & Gravel, trace silt 9 - 10.2 ft bgs - Poor recovery	10.2 ft bgs	7 - 9 ft bgs
CSB-11	10/3/2011	Moderate MGP-like odor and trace NAPL blebs from 2 to 5 ft bgs Heavy black staining, trace NAPL blebs and strong MGP-like odor from 4 to 5 ft bgs Little NAPL blebs and moderate MGP-like odor from 8.5 to 9 ft bgs Little to some NAPL blebs, heavy sheen, and odor from 9 to 10.5 ft bgs	0 - 5 ft bgs - Fill 5 - 10.5 ft bgs - SAND, some silt and Gravel, trace clay 10.5 - 13 ft bgs - Till like material.	13 ft bgs	None
CSB-12	10/3/2011	Faint MGP-like odor from 2 to 5 ft bgs Little NAPL blebs, heavy odor, and sheen from 5.8 to 6.2 ft bgs NAPL coated soils from 7 to 7.7 ft bgs Sheen during rock coring at 14.4 ft (silt filled fracture)	0 - 7.7 ft bgs - Sand & Gravel fill 7.7 - 9.7 ft bgs - Till to weathered rock	Overburden - 9.7 ft bgs Rock coring - 15 ft bgs	10.2 - 12.2 ft bgs
Test Pits					
CTP-1	9/19/2011	NAPL coated soils from 5 to 7 ft bgs	0 - 0.5 ft bgs - Crusher run stone 0.5 - 1 ft bgs - Asphalt and red brick 1 - 3 ft bgs - f-SAND, little f-m gravel, organics, trace brick 3 - 4 ft bgs - Possible old top soil layer 4 -10 ft bgs - Fine brown sand and gravel	10 ft bgs	None
CTP-2	9/16/2011	NAPL in water from 7 to 10 ft bgs	0 - 5 ft bgs - f-SAND, some gravel, organics 5 - 7 ft bgs - SAND, little silt, some organics, gravel 7 - 10 ft bgs - Moderate to heavy NAPL affected areas	10 ft bgs	None
CTP-3	9/15/2011	Moderate NAPL blebs and staining from 5 to 7 ft bgs	0 - 5 ft bgs - f-SAND, little gravel, organics 5 - 12 ft bgs - SAND and GRAVEL	12 ft bgs	None
CTP-4	9/15/2011	NAPL floating on surface of groundwater from 5 to 9 ft bgs	0 - 1.5 ft bgs - TOPSOIL 1.5 - 4 ft bgs - Fill 4 - 5 ft bgs - Cinders and Slag 5 - 9 ft bgs - Former topsoil layer, brick fragments in fill with rock pieces, gravel, sands and silts	9 ft bgs	None

Table 2
Visual Impacts Summary

NYSEG - Clark Street Former MGP Site - Auburn, New York
PDI Summary Report

Boring / Test Pit ID	Date Advanced	Potential Impacts	Description of Subsurface Soils	Depth of Completion	Samples Collected VOC & SVOC Analysis
Test Pits (cont'd)					
CTP-4A	9/15/2011	NAPL streaming into test pit from silt layer at 6 ft bgs	0 - 1 ft bgs - TOPSOIL 1 - 2.5 ft bgs - FILL 2.5 - 3 ft bgs - Cinders and slag 3 - 4 ft bgs - Former topsoil layer 4 - 6 ft bgs - SILT, little f-sand, clay 6 - 7 ft bgs - f-SAND, little m-sand, silt roots	7 ft bgs	None
CTP-5	9/15/2011	Tar layer observed from 4.5 to 5 ft bgs Some NAPL from 6 to 8.5 ft bgs	0 - 4.5 ft bgs - f-m-c SAND, little gravel, cinders, roots 4.5 - 5 ft bgs - Tar layer and organics 5 - 6 ft bgs - Former topsoil layer, organics 6 - 8.5 ft bgs - f-m SAND and GRAVEL, some cobbles, boulders	8.5 ft bgs	None
CTP-6	9/14/2011	NAPL-stained cinders from 1 to 3 ft bgs	0 - 0.5 ft bgs - Crusher run stone 0.5 - 1 ft bgs - SAND, little gravel, red brick 1 - 3 ft bgs - Cinders 2.6 - 3 ft bgs - Asphalt	3 ft bgs	None
CTP-7	9/14/2011	Moderate MGP-like odor at 3 ft bgs NAPL saturated soils from 5 to 7 ft bgs	0 - 5 ft bgs - SAND, little gravel, red brick, silt 5 - 8 ft bgs - SAND, some gravel 8 - 12 ft bgs - f-SAND, trace gravel	14 ft bgs	None
CTP-8	9/16/2011	NAPL observed from 6 to 8 ft bgs	0 - 1 ft bgs - Crusher run stone 1 - 2 ft bgs - f-SAND, little gravel, silt, trace, fire brick 2 - 5 ft bgs - Gray cinders, little red brick, f-m gravel, f-sand 5 - 6 ft bgs - f-SAND and SILT, trace f-m gravel, organics 6 - 9 ft bgs - SAND and GRAVEL, loose	9 ft bgs	None
CTP-9	9/16/2011	No obvious impacts	0 - 0.5 ft bgs - Crusher run stone 1 - 3 ft bgs - f-SAND, little f-m gravel, trace silt, red brick 3 - 6 ft bgs - f-SAND, some silt, trace f-m gravel 6 - 9 ft bgs - f-m SAND and GRAVEL, cobbles (increasing with depth)	9 ft bgs	None
CTP-10	9/19/2011	No obvious impacts	0 - 0.5 ft bgs - Crusher run stone 0.5 - 3 ft bgs - f-m SAND, little silt, gravel 3 - 4 ft bgs - Former topsoil layer, sands, little silt, organics, gravel 4 - 7 ft bgs - f-SAND, trace of f-m gravel 7 - 9 ft bgs - f-SAND and GRAVEL, loose, unconsolidated	9 ft bgs	None
CTP-11	9/19/2011	No obvious impacts	0 - 3 ft bgs - f-SAND, red brick, cinders, roots, f-m-c gravel 3 - 5 ft bgs - Red brick and cinders 5 - 9 ft bgs - f-SAND and f-m gravel, little silt	9 ft bgs	None

Notes:
1. Samples collected and visually characterized by an ARCADIS geologist on the date indicated.
2. Split spoon refusal assumed to be bedrock surface.
3. ft bgs - feet below ground surface

Table 3
Soil Sample Analytical Results

NYSEG - Clark Street Former MGP Site - Auburn, New York
PDI Summary Report

Location ID: Sample Depth(Feet): Date Collected:	Units	CSB-1 10.9 - 11.9 09/30/11	CSB-2 12 - 14 09/29/11	CSB-3 9 - 12 09/29/11	CSB-4 7 - 9 09/29/11	CSB-10 7 - 9 09/29/11	CSB-12 10.2 - 12.2 09/28/11
Volatile Organics							
Benzene	mg/kg	0.0055 U	0.0056 U	0.0056 U	0.0060 U	1.0	0.0037 J
Ethylbenzene	mg/kg	0.0055 U	0.0056 U	0.0056 U	0.0010 J	4.0	0.18
m&p-Xylene	mg/kg	0.011 U	0.011 U	0.011 U	0.0024 J	0.98	0.012 J
o-Xylene	mg/kg	0.0055 U	0.0056 U	0.0056 U	0.0060 U	0.38	0.0091
Toluene	mg/kg	0.0055 U	0.0056 U	0.0056 U	0.0060 U	0.11 U	0.0020 J
Xylenes (total)	mg/kg	0.011 U	0.011 U	0.011 U	0.0024 J	1.4	0.021
Total BTEX	mg/kg	ND	ND	ND	0.0034 J	6.4	0.21 J
Semivolatile Organics							
Chrysene	mg/kg	0.19 U	0.19 U	0.19 U	0.099 J	2.2	12
Naphthalene	mg/kg	0.19 U	0.19 U	0.19 U	0.075 J	22 D	9.7
Dibenzofuran	mg/kg	0.19 U	0.19 U	0.19 U	0.21 U	0.29	2.5 U
Acenaphthylene	mg/kg	0.19 U	0.19 U	0.19 U	0.056 J	0.83	6.8
Acenaphthene	mg/kg	0.19 U	0.19 U	0.19 U	0.070 J	6.2 D	23
Fluorene	mg/kg	0.19 U	0.19 U	0.19 U	0.047 J	2.7	8.5
Anthracene	mg/kg	0.19 U	0.19 U	0.19 U	0.050 J	3.3	15
Phenanthrene	mg/kg	0.19 U	0.19 U	0.025 J	0.12 J	11D	67
Fluoranthene	mg/kg	0.19 U	0.19 U	0.012 J	0.19 J	5.1	14
Pyrene	mg/kg	0.19 U	0.19 U	0.020 J	0.29	6.6 D	24
Benzo(a)anthracene	mg/kg	0.19 U	0.19 U	0.19 U	0.11 J	2.3	12
Benzo(b)fluoranthene	mg/kg	0.19 U	0.19 U	0.19 U	0.10 J	1.7	6.1
Benzo(k)fluoranthene	mg/kg	0.19 U	0.19 U	0.19 U	0.037 J	0.92	3.1
Benzo(a)pyrene	mg/kg	0.19 U	0.19 U	0.19 U	0.11 J	2.5	9.4
Indeno(1,2,3-cd)pyrene	mg/kg	0.19 U	0.19 U	0.19 U	0.070 J	1.2	3.6
Dibenzo(a,h)anthracene	mg/kg	0.19 U	0.19 U	0.19 U	0.21 U	0.34	1.4 J
Benzo(g,h,i)perylene	mg/kg	0.19 U	0.19 U	0.19 U	0.10 J	1.7	3.8
2-Methylnaphthalene	mg/kg	0.19 U	0.19 U	0.19 U	0.019 J	5.1	3.4
Total PAHs	mg/kg	ND	ND	0.057 J	1.5 J	76	220 J

Notes:

1. Samples collected by ARCADIS on the dates indicated.
2. Samples analyzed by TestAmerica located in Buffalo, New York.
3. Concentrations reported in milligrams per kilogram (mg/kg) which is equivalent to parts per million (ppm) unless otherwise noted.
4. J - Indicates an estimated value.
5. ND - Indicates that the compound was not detected.
6. U - Indicated that the compound was analyzed for but not detected. The associated value is the compound quantitation limit.
7. D - Indicates that the compound was quantitated using a secondary dilution.

Table 4
Groundwater Analytical Results

NYSEG - Clark Street Former MGP Site - Auburn, New York
PDI Summary Report

Location ID: / Date Collected:	Units	MW-2 09/26/11	MW-2B 09/26/11	MW-3 09/28/11	MW-4 09/26/11	MW-4B 09/26/11	MW-5 09/28/11	MW-5B 09/28/11	MW-6 09/28/11
Volatile Organics									
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
1,2,4-Trichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
1,2-Dibromoethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	50 U	10 U [10 U]	10 U	10 U
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U [5.0 U]	5.0 U	5.0 U
4-Methyl-2-pentanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U [5.0 U]	5.0 U	5.0 U
Acetone	ug/L	10 U	10 U	10 U	10 U	50 U	10 U [10 U]	10 U	10 U
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1,200	98 [97]	2,400	270
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Bromomethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Carbon Disulfide	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Carbon Tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Chloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Chloroform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Chloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	0.46 J [0.50 J]	1.4	0.71 J
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Dichlorodifluoromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	4,600	60 [53]	1,600	1,400
Isopropylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	100	7.9 [7.6]	63	41
Methyl acetate	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Methyl tert-butyl ether	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Methylcyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	0.95 J [1.0]	2.9	0.95 J
Methylene Chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Tetrachloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	72	1.0 U [1.0 U]	50	43
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Trichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Trichlorofluoromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Vinyl Chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U [1.0 U]	1.0 U	1.0 U
Xylenes (total)	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	3,800	23 [21]	1,400	810
Total BTEX	ug/L	ND	ND	ND	ND	9,700	180 [170]	5,500	2,500
Semivolatile Organics									
2,2'-Oxybis(1-Chloropropane)	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
2,4,5-Trichlorophenol	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
2,4,6-Trichlorophenol	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
2,4-Dichlorophenol	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
2,4-Dimethylphenol	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
2,4-Dinitrophenol	ug/L	9.4 U	9.5 U	9.8 U	10 U	1,100 U	11 U [10 U]	980 U	11 U
2,4-Dinitrotoluene	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
2,6-Dinitrotoluene	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
2-Chloronaphthalene	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
2-Chlorophenol	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
2-Methylphenol	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
2-Nitroaniline	ug/L	9.4 U*	9.5 U*	9.8 U	10 U*	1,100 U*	11 U [10 U]	980 U	11 U
2-Nitrophenol	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
3,3'-Dichlorobenzidine	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
3-Nitroaniline	ug/L	9.4 U	9.5 U	9.8 U	10 U	1,100 U	11 U [10 U]	980 U	11 U
4,6-Dinitro-2-methylphenol	ug/L	9.4 U	9.5 U	9.8 U	10 U	1,100 U	11 U [10 U]	980 U	11 U
4-Bromophenyl-phenylether	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
4-Chloro-3-Methylphenol	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
4-Chloroaniline	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
4-Chlorophenyl-phenylether	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
4-Methylphenol	ug/L	9.4 U	10	9.8 U	10 U	1,100 U	11 U [10 U]	980 U	11 U
4-Nitroaniline	ug/L	9.4 U	9.5 U	9.8 U	10 U	1,100 U	11 U [10 U]	980 U	11 U

Table 4
Groundwater Analytical Results

NYSEG - Clark Street Former MGP Site - Auburn, New York
PDI Summary Report

Location ID: / Date Collected:	Units	MW-2 09/26/11	MW-2B 09/26/11	MW-3 09/28/11	MW-4 09/26/11	MW-4B 09/26/11	MW-5 09/28/11	MW-5B 09/28/11	MW-6 09/28/11
Semivolatile Organics (cont'd)									
4-Nitrophenol	ug/L	9.4 U	9.5 U	9.8 U	10 U	1,100 U	11 U [10 U]	980 U	11 U
Acetophenone	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [1.9 J]	490 U	5.5 J
Atrazine	ug/L	4.7 U	4.8 U	4.9 U*	5.0 U	530 U	5.5 U* [5.1 U*]	490 U*	5.6 U*
Benzaldehyde	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
bis(2-Chloroethoxy)methane	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
bis(2-Chloroethyl)ether	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
bis(2-Ethylhexyl)phthalate	ug/L	4.7 U	4.6 J	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
Butylbenzylphthalate	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
Caprolactam	ug/L	49	54	5.2	8.0	530 U	6.7 [5.1 U]	490 U	5.6 U
Chrysene	ug/L	4.7 U	4.8 U	2.2 J	74	38 J	5.5 U [5.1 U]	490 U	2.3 J
Diethylphthalate	ug/L	0.28 J	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
Dimethylphthalate	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
Di-n-Butylphthalate	ug/L	0.39 JB	0.41 JB	0.45 JB	0.65 JB	530 U	0.67 JB [0.48 JB]	490 U	0.68 JB
Di-n-Octylphthalate	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [2.1 J]	490 U	2.5 J
Hexachlorobenzene	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
Hexachlorobutadiene	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
Hexachlorocyclopentadiene	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
Hexachloroethane	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
Isophorone	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
Nitrobenzene	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
N-Nitroso-di-n-propylamine	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
N-Nitrosodiphenylamine	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
Pentachlorophenol	ug/L	9.4 U	9.5 U	9.8 U	10 U	1,100 U	11 U [10 U]	980 U	11 U
Phenol	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	5.5 U [5.1 U]	490 U	5.6 U
Naphthalene	ug/L	1.2 J	4.8 U	2.2 J	4.7 J	13,000	640 [960]	11,000	6,700
1,1'-Biphenyl	ug/L	4.7 U	0.93 J	4.9 U	0.75 J	110 J	5.5 U [5.1 U]	88 J	99
Dibenzofuran	ug/L	9.4 U	9.5 U	9.8 U	10 U	1,100 U	0.93 J [1.5 J]	980 U	16
Acenaphthylene	ug/L	4.7 U	1.3 J	1.8 J	38	530 U	0.62 J [0.90 J]	490 U	26
Acenaphthene	ug/L	4.7 U	10	4.9 U	6.8	430 J	110 [140]	510	420
Fluorene	ug/L	4.7 U	4.0 J	4.9 U	5.0	100 J	15 [20]	97 J	110
Anthracene	ug/L	4.7 U	0.40 J	0.96 J	13	47 J	1.4 J [1.9 J]	490 U	24
Phenanthrene	ug/L	4.7 U	2.8 J	1.0 J	23	210 J	8.4 [12]	180 J	140
Fluoranthene	ug/L	4.7 U	1.4 J	1.8 J	80	45 J	5.5 U [0.66 J]	490 U	18
Pyrene	ug/L	4.7 U	2.3 J	2.9 J	140	62 J	0.46 J [0.64 J]	490 U	20
Benzo(a)anthracene	ug/L	4.7 U	4.8 U	2.0 J	77	39 J	5.5 U [5.1 U]	490 U	2.7 J
Benzo(b)fluoranthene	ug/L	4.7 U	4.8 U	2.9 J	81	530 U	5.5 U [5.1 U]	490 U	1.6 J
Benzo(k)fluoranthene	ug/L	4.7 U	4.8 U	1.3 J	46	530 U	5.5 U [5.1 U]	490 U	1.2 J
Benzo(a)pyrene	ug/L	4.7 U	4.8 U	3.9 J	120	530 U	5.5 U [5.1 U]	490 U	2.2 J
Indeno(1,2,3-cd)pyrene	ug/L	4.7 U	4.8 U	2.1 J	51	530 U	5.5 U [5.1 U]	490 U	1.1 J
Dibenzo(a,h)anthracene	ug/L	4.7 U	4.8 U	0.69 J	18	530 U	5.5 U [5.1 U]	490 U	5.6 U
Benzo(g,h,i)perylene	ug/L	4.7 U	4.8 U	3.2 J	70	40 J	5.5 U [5.1 U]	490 U	1.5 J
2-Methylnaphthalene	ug/L	4.7 U	4.8 U	4.9 U	1.1 J	930	16 [27]	760	580
Carbazole	ug/L	4.7 U	4.8 U	4.9 U	5.0 U	530 U	3.6 J [5.1]	490 U	8.9
Total PAHs	ug/L	1.2 J	22 J	29 J	850 J	15,000 J	790 J [1,200 J]	13,000 J	8,100 J
Inorganics									
Aluminum	ug/L	7,700	170 J	23,200	30,500	350	4,300 [350]	1,400	52,500
Antimony	ug/L	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U [20.0 U]	20.0 U	20.0 U
Arsenic	ug/L	22.0	10.0 U	7.90 J	48.0	18.0	20.0 [12.0]	16.0	44.0
Barium	ug/L	230	130	250	320	200	620 [640]	780	500
Beryllium	ug/L	0.650 J	2.00 U	1.50 J	1.80 J	2.00 U	0.350 J [2.00 U]	2.00 U	2.70
Cadmium	ug/L	1.00	0.370 J	1.40	1.30	1.00 U	0.620 J [1.00 U]	1.00 U	1.50
Calcium	ug/L	287,000	178,000	139,000	109,000	97,400	169,000 [150,000]	155,000	507,000
Chromium	ug/L	370	4.40	290	200	6.70	14.0 [2.30 J]	8.50	100
Cobalt	ug/L	31.0	2.60 J	15.0	43.0	33.0	3.40 J [4.00 U]	6.40	80.0
Copper	ug/L	35.0	20.0	150	280	15.0	17.0 [2.60 J]	24.0	170
Iron	ug/L	33,100	39,600	28,800	73,500	15,900	35,000 [16,100]	27,000	90,700
Lead	ug/L	38.0	5.00 U	130	230	5.00 U	3.70 J [5.00 U]	5.00 U	190
Magnesium	ug/L	84,000	50,100	29,100	38,000	30,900	32,400 [26,600]	56,100	138,000
Manganese	ug/L	2,400 B	830 B	350 B7	2,200 B	390 B	1,300 B7 [960 B7]	280 B7	2,100 B7
Mercury	ug/L	0.200 U	0.200 U	0.980	0.750	0.200 U	0.200 U [0.200 U]	0.200 U	0.580
Nickel	ug/L	140	15.0	110	100	200	14.0 [1.30 J]	180	130
Potassium	ug/L	16,300	9,800	11,200	9,500	3,300	5,200 [4,200]	3,200	15,900
Selenium	ug/L	9.40 J	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U [15.0 U]	15.0 U	15.0 U
Silver	ug/L	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U [3.00 U]	3.00 U	3.00 U
Sodium	ug/L	304,000	235,000	12,500	3,900	104,000	77,500 [93,300]	182,000	34,900
Thallium	ug/L	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U [20.0 U]	20.0 U	20.0 U
Vanadium	ug/L	27.0	1.30 J	43.0	87.0	1.20 J	11.0 [1.80 J]	3.70 J	140
Zinc	ug/L	140	8.10 J	540	540	6.20 J	22.0 [2.90 J]	23.0	290

Table 4
Groundwater Analytical Results

NYSEG - Clark Street Former MGP Site - Auburn, New York
PDI Summary Report

Location ID: / Date Collected:	Units	MW-2 09/26/11	MW-2B 09/26/11	MW-3 09/28/11	MW-4 09/26/11	MW-4B 09/26/11	MW-5 09/28/11	MW-5B 09/28/11	MW-6 09/28/11
Inorganics-Filtered									
Aluminum	ug/L	63.0 JB	110 JB	79.0 JB	200 U	60.0 JB	71.0 JB [130 JB]	80.0 JB	200 U
Antimony	ug/L	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U [20.0 U]	20.0 U	20.0 U
Arsenic	ug/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U [10.0 U]	10.0 U	10.0 U
Barium	ug/L	110	100	100	68.0	180	450 [460]	660	120
Beryllium	ug/L	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U [2.00 U]	2.00 U	2.00 U
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U [1.00 U]	1.00 U	1.00 U
Calcium	ug/L	209,000 B	168,000 B	114,000 B	70,000 B	98,100 B	143,000 B [137,000 B]	139,000 B	82,600 B
Chromium	ug/L	1.70 J	1.30 J	1.30 J	4.00 U	4.00 U	0.980 J [1.70 J]	1.20 J	0.920 J
Cobalt	ug/L	1.60 J	1.30 J	2.60 J	4.00 U	23.0	4.00 U [4.00 U]	0.840 J	1.90 J
Copper	ug/L	1.60 J	10.0 U	3.40 J	2.40 J	10.0 U	10.0 U [10.0 U]	10.0 U	10.0 U
Dissolved Potassium	ug/L	13,500	9,200	NA	1,800	3,200	NA	NA	NA
Iron	ug/L	19.0 J	3,900	240	37.0 J	22.0 J	340 [2,900]	2,900	57.0
Lead	ug/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U [5.00 U]	4.00 J	4.00 J
Magnesium	ug/L	57,200	49,400	12,700	12,100	30,600	24,900 [24,100]	51,400	29,700
Manganese	ug/L	280 B	720 B	100 B	25.0 B	310 B	960 B [910 B]	130 B	220 B
Mercury	ug/L	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U [0.200 U]	0.200 U	0.200 U
Nickel	ug/L	37.0	4.40 J	18.0	3.60 J	120	2.00 J [2.80 J]	58.0	1.60 J
Potassium	ug/L	NA	NA	5,300	NA	NA	3,400 [3,400]	2,400	1,300
Selenium	ug/L	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U [15.0 U]	15.0 U	15.0 U
Silver	ug/L	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U [3.00 U]	3.00 U	3.00 U
Sodium	ug/L	300,000	224,000	14,200	4,000	101,000	75,300 [74,900]	171,000	35,900
Thallium	ug/L	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U [20.0 U]	20.0 U	20.0 U
Vanadium	ug/L	5.00 U	5.00 U	1.40 J	5.00 U	5.00 U	5.00 U [5.00 U]	5.00 U	5.00 U
Zinc	ug/L	16.0	2.30 J	8.60 J	6.20 J	2.00 J	12.0 [13.0]	11.0	7.20 J
Miscellaneous									
Biochemical Oxygen Demand	ug/L	2,000 U	9,700 b	4,100 b	2,400 b	2,000 U	4,600 b [3,000 b]	21,400 b	32,400 b
BARTs (IRB)	cfu/mL	9,000	2,300	2,300	140,000	2,300	2,300	230	900
BARTs (slime)	cfu/mL	66,500	350,000	3,500	350,000	6,500	12,500	350,000	66,500
BARTs (SRB)	cfu/mL	700,000	1,200	5,000	1,200	700	700	120	18,000
Chemical Oxygen Demand	ug/L	28,900 B	31,200	27,000	10,000 U	31,800	14,400 [10,000 U]	42,100	16,000
Cyanide	ug/L	15 *	17	2,300	48	9.8 J	25 [15]	5.9 J	100
Hardness as calcium carbonate	ug/L	1,260,000	720,000	1,260,000	299,000	480,000	580,000 [540,000]	680,000	1,140,000
Oil & Grease	ug/L	1,600 J	5,000 U	1,600 J	2,500 J	2,300 J	5,000 U [4,800 U]	4,800 U	2,300 J
pH	SU	7.49 H	7.39 H	7.07 H	7.6 H	7.64 H	7.59 H [7.58 H]	7.17 H	7.36 H
Total Dissolved Solids	ug/L	1,770,000	1,430,000	480,000	259,000	740,000	734,000 [746,000]	1,380,000	587,000
Total Kjeldahl Nitrogen	ug/L	2,000	2,600	12,100	8,500	460	810 [860]	270	3,900
Total Suspended Solids	ug/L	1,240,000	57,200	616,000	1,410,000	73,200	64,000 [50,000]	91,600	5,230,000
Total Toxic Organics	ug/L	NA	NA	35	NA	11,000	1,200 [1,600]	18,000	11,000

Notes:

1. Samples collected by ARCADIS on the dates indicated.
2. Samples analyzed by TestAmerica located in Buffalo, NY with the exception of bioactivity analyses. Bioactivity analyzed by Microbial Insights located in Rockford, Tennesee.
3. Concentrations reported in micrograms per Liter (ug/L) which is equivalent to parts per billion (ppb) unless otherwise noted.
4. * - Indicates the laboratory duplicate analysis was outside control limits.
5. B - Indicates an estimated value between the instrument detection limit and the Reporting Limit (RL).
6. B7 - Indicates that the target analyte was detected in the corresponding method blank at or above the method reporting limit. Concentrations found in the sample was 10 times that of the concentratio found in the blank.
7. H - Indicates sample was prepped or analyzed beyond the specified holding time.
8. J - Indicates an estimated value.
9. ND - Indicates that the compound was not detected in the sample.
10. U - Indicates that the compound was analyzed for but not detected. The associated value is the compound quantitation limit.
11. b – Indicates the dilution water dissolved oxygen was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L.

Table 5
Soil Waste Characterization Results

NYSEG - Clark Street Former MGP Site - Auburn, New York
PDI Summary Report

Location ID: Date Collected:	Units	WC-CLARK 10/11/11
PCBs		
Aroclor-1016	mg/kg	0.26 U
Aroclor-1221	mg/kg	0.26 U
Aroclor-1232	mg/kg	0.26 U
Aroclor-1242	mg/kg	0.26 U
Aroclor-1248	mg/kg	0.26 U
Aroclor-1254	mg/kg	0.26 U
Aroclor-1260	mg/kg	0.26 U
Miscellaneous		
Cyanide, Reactive	mg/kg	10 U
Sulfide, Reactive	mg/kg	10 U
Volatile Organics-TCLP		
Benzene	ug/L	10 U

Notes:

1. Samples collected by ARCADIS on the date indicated.
2. Samples analyzed by TestAmerica located in Buffalo, NY.
3. Concentrations reported in milligrams per kilogram (mg/Kg) which is equivalent to parts per million (ppm) unless otherwise noted.Benzene analysis reported in micrograms per liter (ug/L) which is equivalent to parts per billion (ppb) due to Toxicity Characteristic Leaching Procedure (TCLP) methodology. (TCLP) methodology.
4. U - Indicates the compound was analyzed for but not detected. The associated value is the compound quantitation limit.

Table 6
Liquid Waste Characterization Results

NYSEG - Clark Street Former MGP Site - Auburn, New York
PDI Summary Report

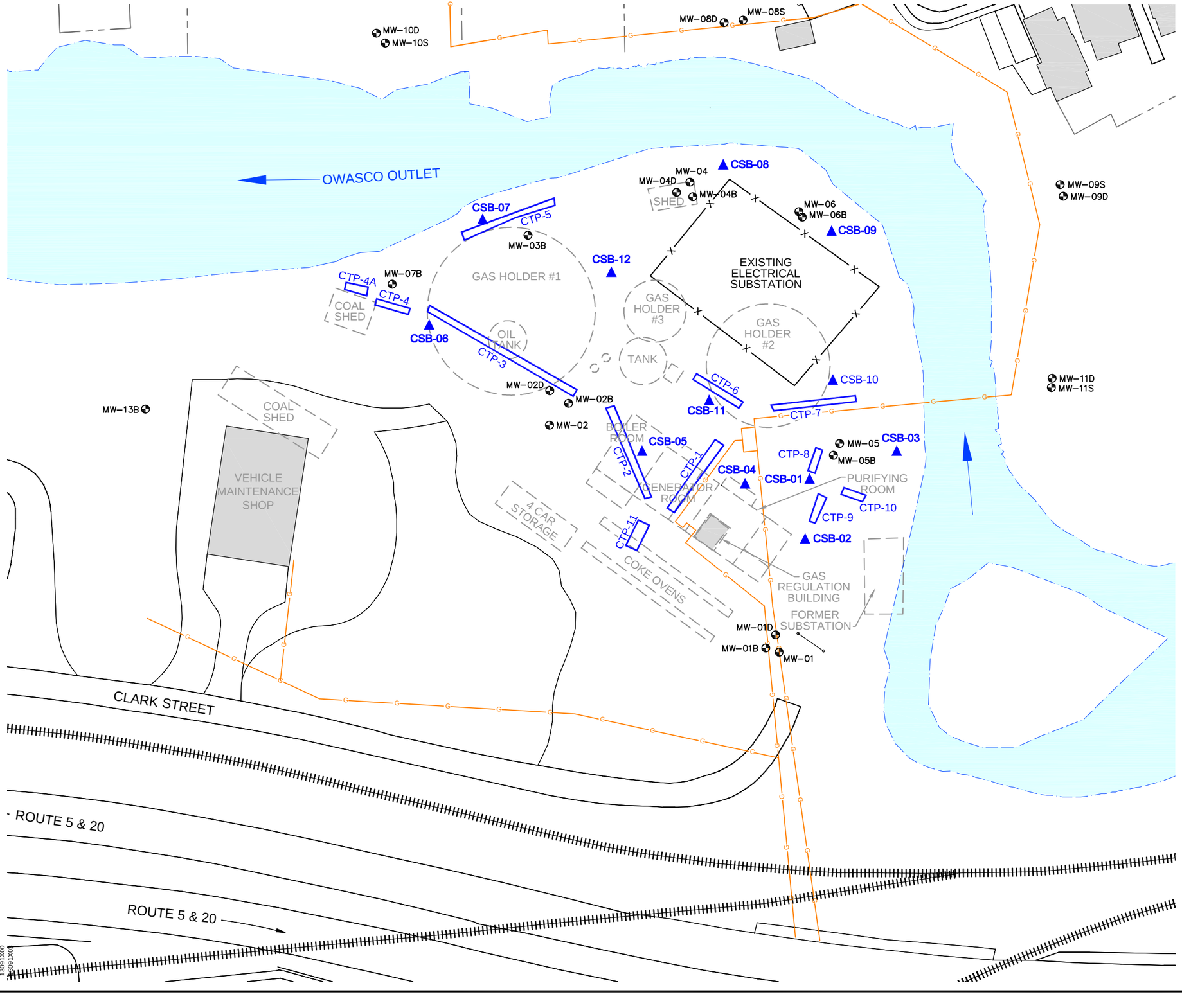
Location ID: Date Collected:	Units	WC-CLARK 10/11/11
Volatile Organics		
Benzene	ug/L	6.6
Miscellaneous		
Cyanide	ug/L	69

Notes:

1. Samples collected by ARCADIS on the date indicated.
2. Samples analyzed by TestAmerica located in Buffalo, NY.
3. Concentrations reported in micrograms per Liter (ug/L) which is equivalent to parts per billion (ppb).

ARCADIS

Figures



LEGEND:

- PDI SOIL BORING
- CTP-1 PDI TEST PIT LOCATION
- EXISTING GROUNDWATER MONITORING WELL
- NATURAL GAS LINE
- CHAIN LINK FENCE
- RAILROAD
- FORMER MGP STRUCTURE/FORMER ELECTRICAL SUBSTATION
- EXISTING BUILDING

NOTE:

BASEMAP GENERATED FROM SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT FIGURE 1-2 PREPARED BY URS (1117329.00000\DB\GIS\SITEPLAN.MXD) DATED 07/13/2006 AND BASED ON SURVEY ACTIVITIES CONDUCTED BY PAUL OLSZEWSKI, PLS LAND SURVEYING DURING OCTOBER 2011.

0 60' 120'

GRAPHIC SCALE

NYSEG
CLARK STREET FORMER MGP SITE
AUBURN, NEW YORK

UPLAND PDI SUMMARY REPORT

PRE-DESIGN INVESTIGATION LOCATION MAP

ARCADIS

FIGURE 1

CITY: SYRACUSE_NY DIV/GROUP: ENV/M-DV DB: A. SCHILLING, P. LISTER PM/TM: J. BRIEN TR: L. ZURANSKI LYR: ON=*;OFF=REF; (FRZ)
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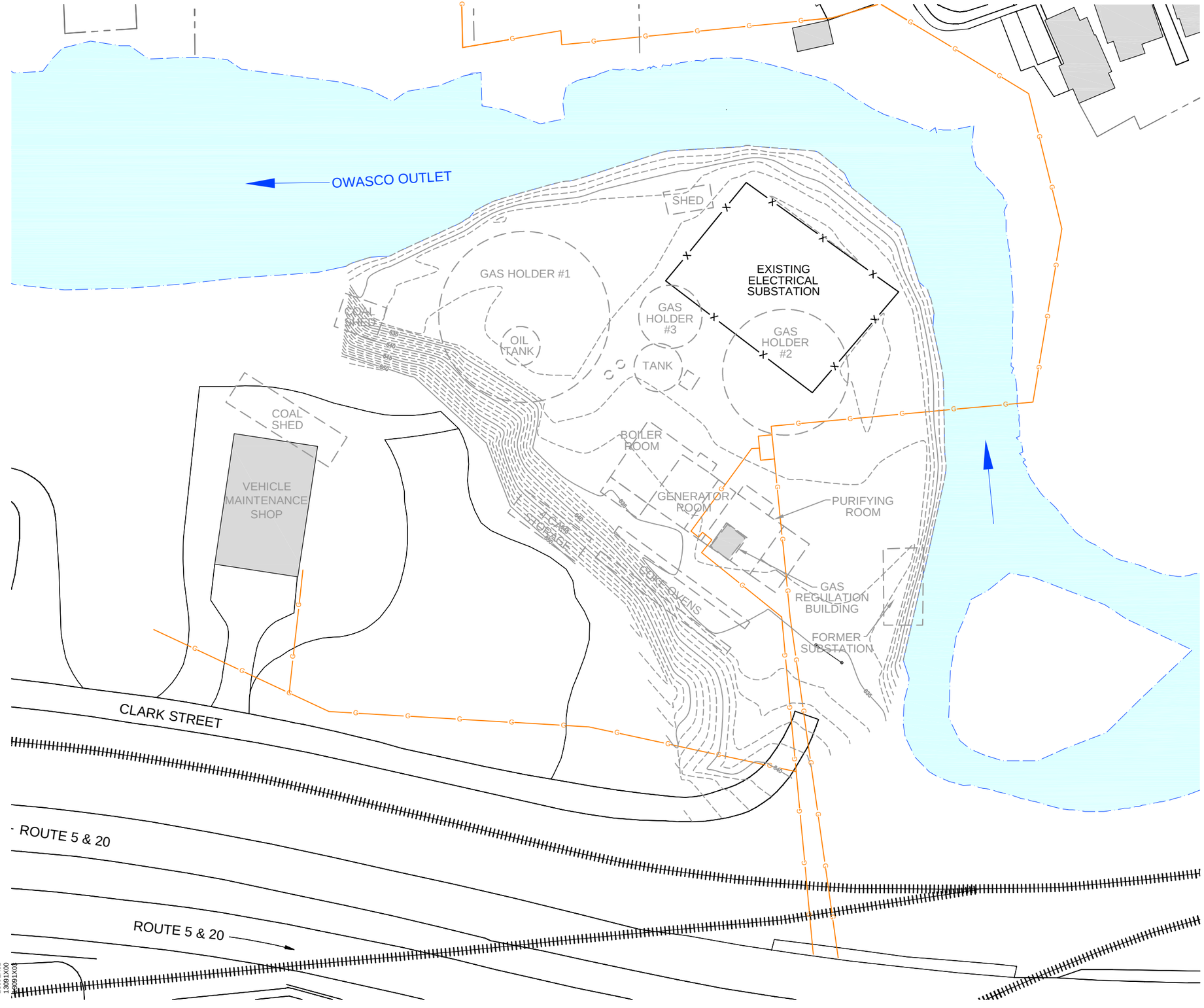
XREFS: 13091X02 13091X00 13091X01 IMAGES: mwells.tiff PROJECTNAME: ----



LEGEND:

- NATURAL GAS LINE
- CHAIN LINK FENCE
- RAILROAD
- FORMER MGP STRUCTURE/FORMER ELECTRICAL SUBSTATION
- EXISTING BUILDING
- TOPOGRAPHIC CONTOUR

NOTE:

BASEMAP GENERATED FROM SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT FIGURE 1-2 PREPARED BY URS (1117329.00000\DB\GIS\SITEPLAN.MXD) DATED 07/13/2006 AND BASED ON SURVEY ACTIVITIES CONDUCTED BY PAUL OLSZEWSKI, PLS LAND SURVEYING DURING OCTOBER 2011.

0 60' 120'

GRAPHIC SCALE

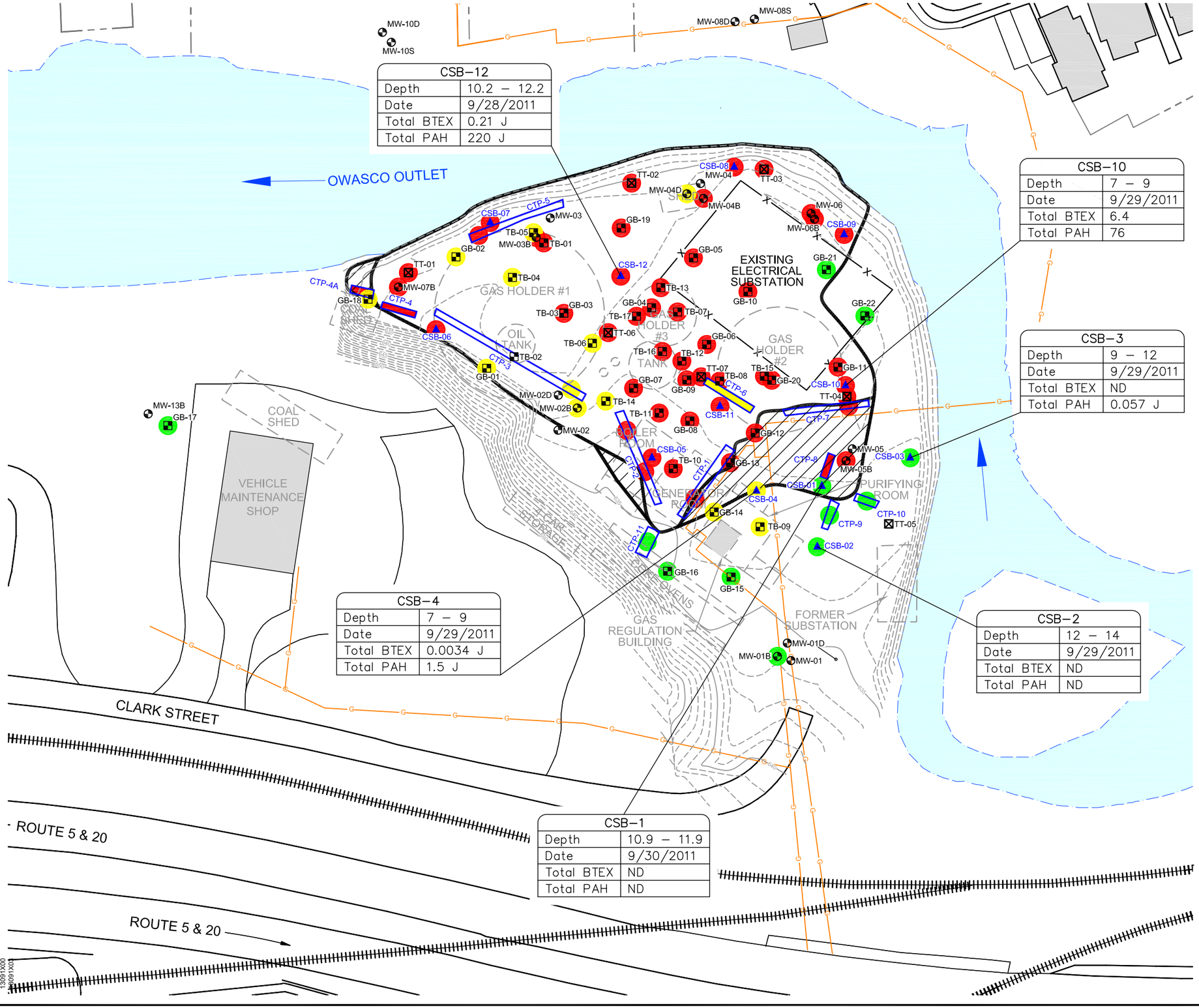
NYSEG
CLARK STREET FORMER MGP SITE
AUBURN, NEW YORK
UPLAND PDI SUMMARY REPORT

TOPOGRAPHIC MAP

ARCADIS

FIGURE
2

CITY: SYRACUSE, NY DIV/GROUP: ENV/IM-DV DB: A.SCHILLING, P. LISTER PM/TM: J. BRIEN TR: L. ZURANSKI LYR: ON=*;OFF=*REF, (FR2)
G:\ENVCAD\SYRACUSE\ACTIVITIES\B0013091\000400130\DWG\13091B02.dwg LAYOUT: 2 SAVED: 12/20/2011 8:40 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/28/2011 11:25 AM BY: KRAHMER, ERIC
XREFS: 13091X02 13091X00 13091X01 IMAGES: PROJECTNAME: ----



NYSEG
CLARK STREET FORMER MGP SITE
AUBURN, NEW YORK

UPLAND PDI SUMMARY REPORT

PROPOSED SOIL REMOVAL AREAS

ARCADIS

FIGURE 3

CITY: SYRACUSE, NY DIV/GROUP: ENV/IM-DV DB: A. SCHILLING, P. LISTER PM/TM: J. BRIEN TR: L. ZURANSKI LYR: ON=*;OFF=REF, (FRZ)
G:\ENVCAD\SYRACUSE\ACTIB\0013091\10004\00130\DWG\13091C03.dwg LAYOUT: 3 SAVED: 3/2/2012 9:09 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/2/2012 9:09 AM BY: SCHILLING, ADAM (LMS TECH)
XREFS: 13091X02 13091X00 13091X01 IMAGES: PROJECTNAME: ---

Attachment 1

Air Monitoring Logs (on CD)

ARCADIS

Downwind PM_{10} Monitoring Data

Location:		**Downwind Dust**
Date of Monitoring		**9/16/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 001	Log Interval (mm:ss)	1:00
Data Points: 356	Calibration Date:	5/17/2011
Statistics	Maximum:	0.010
	Average:	-0.002
	Minimum:	-0.003
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/16/2011	8:23:37	-0.002
9/16/2011	8:24:37	-0.003
9/16/2011	8:25:37	-0.003
9/16/2011	8:26:37	-0.003
9/16/2011	8:27:37	-0.003
9/16/2011	8:28:37	-0.003
9/16/2011	8:29:37	-0.003
9/16/2011	8:30:37	-0.003
9/16/2011	8:31:37	-0.003
9/16/2011	8:32:37	-0.003
9/16/2011	8:33:37	-0.003
9/16/2011	8:34:37	-0.003
9/16/2011	8:35:37	-0.003
9/16/2011	8:36:37	-0.003
9/16/2011	8:37:37	-0.003
9/16/2011	8:38:37	-0.003
9/16/2011	8:39:37	-0.003
9/16/2011	8:40:37	-0.003
9/16/2011	8:41:37	-0.003
9/16/2011	8:42:37	-0.003
9/16/2011	8:43:37	-0.003
9/16/2011	8:44:37	-0.003
9/16/2011	8:45:37	-0.003
9/16/2011	8:46:37	-0.003
9/16/2011	8:47:37	-0.003
9/16/2011	8:48:37	-0.003
9/16/2011	8:49:37	-0.003
9/16/2011	8:50:37	-0.003
9/16/2011	8:51:37	-0.003
9/16/2011	8:52:37	-0.003
9/16/2011	8:53:37	-0.003

Location:		**Downwind Dust**
Date of Monitoring		**9/16/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 001	Log Interval (mm:ss)	1:00
Data Points: 356	Calibration Date:	5/17/2011
Statistics	Maximum:	0.010
	Average:	-0.002
	Minimum:	-0.003
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/16/2011	8:54:37	-0.003
9/16/2011	8:55:37	-0.003
9/16/2011	8:56:37	-0.003
9/16/2011	8:57:37	-0.003
9/16/2011	8:58:37	-0.003
9/16/2011	8:59:37	-0.003
9/16/2011	9:00:37	-0.003
9/16/2011	9:01:37	-0.003
9/16/2011	9:02:37	-0.003
9/16/2011	9:03:37	-0.003
9/16/2011	9:04:37	-0.003
9/16/2011	9:05:37	-0.003
9/16/2011	9:06:37	-0.002
9/16/2011	9:07:37	-0.003
9/16/2011	9:08:37	-0.003
9/16/2011	9:09:37	-0.003
9/16/2011	9:10:37	-0.003
9/16/2011	9:11:37	-0.003
9/16/2011	9:12:37	-0.003
9/16/2011	9:13:37	-0.003
9/16/2011	9:14:37	-0.002
9/16/2011	9:15:37	0.010
9/16/2011	9:16:37	-0.003
9/16/2011	9:17:37	-0.003
9/16/2011	9:18:37	-0.003
9/16/2011	9:19:37	-0.002
9/16/2011	9:20:37	-0.003
9/16/2011	9:21:37	-0.002
9/16/2011	9:22:37	-0.003
9/16/2011	9:23:37	-0.003
9/16/2011	9:24:37	-0.003

Location:		**Downwind Dust**
Date of Monitoring		**9/16/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 001	Log Interval (mm:ss)	1:00
Data Points: 356	Calibration Date:	5/17/2011
Statistics	Maximum:	0.010
	Average:	-0.002
	Minimum:	-0.003
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/16/2011	9:25:37	-0.003
9/16/2011	9:26:37	-0.003
9/16/2011	9:27:37	-0.002
9/16/2011	9:28:37	-0.003
9/16/2011	9:29:37	-0.003
9/16/2011	9:30:37	-0.002
9/16/2011	9:31:37	-0.002
9/16/2011	9:32:37	-0.003
9/16/2011	9:33:37	-0.003
9/16/2011	9:34:37	-0.003
9/16/2011	9:35:37	-0.003
9/16/2011	9:36:37	-0.003
9/16/2011	9:37:37	-0.003
9/16/2011	9:38:37	-0.002
9/16/2011	9:39:37	-0.002
9/16/2011	9:40:37	-0.003
9/16/2011	9:41:37	-0.003
9/16/2011	9:42:37	-0.002
9/16/2011	9:43:37	-0.003
9/16/2011	9:44:37	-0.002
9/16/2011	9:45:37	-0.003
9/16/2011	9:46:37	-0.002
9/16/2011	9:47:37	-0.002
9/16/2011	9:48:37	-0.003
9/16/2011	9:49:37	-0.003
9/16/2011	9:50:37	-0.002
9/16/2011	9:51:37	-0.002
9/16/2011	9:52:37	-0.002
9/16/2011	9:53:37	-0.002
9/16/2011	9:54:37	-0.002
9/16/2011	9:55:37	-0.002

Location:		**Downwind Dust**
Date of Monitoring		**9/16/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 001	Log Interval (mm:ss)	1:00
Data Points: 356	Calibration Date:	5/17/2011
Statistics	Maximum:	0.010
	Average:	-0.002
	Minimum:	-0.003
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/16/2011	9:56:37	-0.002
9/16/2011	9:57:37	-0.002
9/16/2011	9:58:37	-0.002
9/16/2011	9:59:37	-0.002
9/16/2011	10:00:37	-0.002
9/16/2011	10:01:37	-0.002
9/16/2011	10:02:37	-0.001
9/16/2011	10:03:37	-0.002
9/16/2011	10:04:37	-0.002
9/16/2011	10:05:37	-0.002
9/16/2011	10:06:37	-0.002
9/16/2011	10:07:37	-0.002
9/16/2011	10:08:37	-0.002
9/16/2011	10:09:37	-0.002
9/16/2011	10:10:37	-0.002
9/16/2011	10:11:37	-0.002
9/16/2011	10:12:37	-0.002
9/16/2011	10:13:37	-0.002
9/16/2011	10:14:37	-0.002
9/16/2011	10:15:37	-0.002
9/16/2011	10:16:37	-0.002
9/16/2011	10:17:37	-0.002
9/16/2011	10:18:37	-0.002
9/16/2011	10:19:37	-0.002
9/16/2011	10:20:37	-0.002
9/16/2011	10:21:37	-0.002
9/16/2011	10:22:37	-0.002
9/16/2011	10:23:37	-0.002
9/16/2011	10:24:37	-0.002
9/16/2011	10:25:37	-0.002
9/16/2011	10:26:37	-0.002

Location:		**Downwind Dust**
Date of Monitoring		**9/16/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 001	Log Interval (mm:ss)	1:00
Data Points: 356	Calibration Date:	5/17/2011
Statistics	Maximum:	0.010
	Average:	-0.002
	Minimum:	-0.003
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/16/2011	10:27:37	-0.002
9/16/2011	10:28:37	0.000
9/16/2011	10:29:37	-0.002
9/16/2011	10:30:37	-0.002
9/16/2011	10:31:37	-0.002
9/16/2011	10:32:37	-0.002
9/16/2011	10:33:37	-0.002
9/16/2011	10:34:37	-0.002
9/16/2011	10:35:37	-0.001
9/16/2011	10:36:37	-0.002
9/16/2011	10:37:37	-0.002
9/16/2011	10:38:37	-0.002
9/16/2011	10:39:37	-0.002
9/16/2011	10:40:37	-0.002
9/16/2011	10:41:37	-0.002
9/16/2011	10:42:37	-0.002
9/16/2011	10:43:37	-0.002
9/16/2011	10:44:37	-0.002
9/16/2011	10:45:37	-0.002
9/16/2011	10:46:37	-0.002
9/16/2011	10:47:37	-0.002
9/16/2011	10:48:37	-0.002
9/16/2011	10:49:37	-0.002
9/16/2011	10:50:37	-0.002
9/16/2011	10:51:37	-0.001
9/16/2011	10:52:37	-0.002
9/16/2011	10:53:37	-0.002
9/16/2011	10:54:37	-0.002
9/16/2011	10:55:37	-0.002
9/16/2011	10:56:37	-0.002
9/16/2011	10:57:37	-0.002

Location:		**Downwind Dust**
Date of Monitoring		**9/16/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 001	Log Interval (mm:ss)	1:00
Data Points: 356	Calibration Date:	5/17/2011
Statistics	Maximum:	0.010
	Average:	-0.002
	Minimum:	-0.003
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/16/2011	10:58:37	-0.001
9/16/2011	10:59:37	-0.001
9/16/2011	11:00:37	-0.001
9/16/2011	11:01:37	-0.001
9/16/2011	11:02:37	-0.001
9/16/2011	11:03:37	-0.002
9/16/2011	11:04:37	-0.002
9/16/2011	11:05:37	-0.001
9/16/2011	11:06:37	-0.001
9/16/2011	11:07:37	-0.001
9/16/2011	11:08:37	-0.001
9/16/2011	11:09:37	-0.002
9/16/2011	11:10:37	-0.001
9/16/2011	11:11:37	-0.002
9/16/2011	11:12:37	-0.001
9/16/2011	11:13:37	-0.002
9/16/2011	11:14:37	-0.001
9/16/2011	11:15:37	-0.002
9/16/2011	11:16:37	-0.002
9/16/2011	11:17:37	-0.001
9/16/2011	11:18:37	-0.001
9/16/2011	11:19:37	-0.001
9/16/2011	11:20:37	-0.001
9/16/2011	11:21:37	-0.001
9/16/2011	11:22:37	-0.002
9/16/2011	11:23:37	-0.001
9/16/2011	11:24:37	-0.002
9/16/2011	11:25:37	-0.002
9/16/2011	11:26:37	-0.001
9/16/2011	11:27:37	-0.001
9/16/2011	11:28:37	-0.002

Location:		**Downwind Dust**
Date of Monitoring		**9/16/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 001	Log Interval (mm:ss)	1:00
Data Points: 356	Calibration Date:	5/17/2011
Statistics	Maximum:	0.010
	Average:	-0.002
	Minimum:	-0.003
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/16/2011	11:29:37	-0.001
9/16/2011	11:30:37	-0.002
9/16/2011	11:31:37	-0.001
9/16/2011	11:32:37	-0.001
9/16/2011	11:33:37	-0.002
9/16/2011	11:34:37	-0.002
9/16/2011	11:35:37	-0.002
9/16/2011	11:36:37	-0.001
9/16/2011	11:37:37	-0.001
9/16/2011	11:38:37	-0.001
9/16/2011	11:39:37	-0.002
9/16/2011	11:40:37	-0.001
9/16/2011	11:41:37	-0.001
9/16/2011	11:42:37	-0.001
9/16/2011	11:43:37	-0.001
9/16/2011	11:44:37	-0.002
9/16/2011	11:45:37	-0.001
9/16/2011	11:46:37	-0.001
9/16/2011	11:47:37	-0.001
9/16/2011	11:48:37	-0.001
9/16/2011	11:49:37	-0.001
9/16/2011	11:50:37	-0.001
9/16/2011	11:51:37	-0.001
9/16/2011	11:52:37	-0.001
9/16/2011	11:53:37	-0.001
9/16/2011	11:54:37	-0.001
9/16/2011	11:55:37	-0.001
9/16/2011	11:56:37	-0.001
9/16/2011	11:57:37	-0.001
9/16/2011	11:58:37	-0.001
9/16/2011	11:59:37	-0.001

Location:		**Downwind Dust**
Date of Monitoring		**9/16/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 001	Log Interval (mm:ss)	1:00
Data Points: 356	Calibration Date:	5/17/2011
Statistics	Maximum:	0.010
	Average:	-0.002
	Minimum:	-0.003
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/16/2011	12:00:37	-0.001
9/16/2011	12:01:37	-0.001
9/16/2011	12:02:37	-0.001
9/16/2011	12:03:37	-0.001
9/16/2011	12:04:37	-0.001
9/16/2011	12:05:37	0.000
9/16/2011	12:06:37	-0.001
9/16/2011	12:07:37	0.000
9/16/2011	12:08:37	0.000
9/16/2011	12:09:37	0.000
9/16/2011	12:10:37	0.000
9/16/2011	12:11:37	0.000
9/16/2011	12:12:37	0.000
9/16/2011	12:13:37	-0.001
9/16/2011	12:14:37	0.000
9/16/2011	12:15:37	-0.001
9/16/2011	12:16:37	-0.001
9/16/2011	12:17:37	-0.001
9/16/2011	12:18:37	-0.001
9/16/2011	12:19:37	-0.001
9/16/2011	12:20:37	-0.001
9/16/2011	12:21:37	-0.001
9/16/2011	12:22:37	-0.001
9/16/2011	12:23:37	-0.001
9/16/2011	12:24:37	-0.001
9/16/2011	12:25:37	-0.002
9/16/2011	12:26:37	-0.001
9/16/2011	12:27:37	-0.002
9/16/2011	12:28:37	-0.002
9/16/2011	12:29:37	-0.001
9/16/2011	12:30:37	-0.002

Location:		**Downwind Dust**
Date of Monitoring		**9/16/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 001	Log Interval (mm:ss)	1:00
Data Points: 356	Calibration Date:	5/17/2011
Statistics	Maximum:	0.010
	Average:	-0.002
	Minimum:	-0.003
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/16/2011	12:31:37	-0.002
9/16/2011	12:32:37	-0.001
9/16/2011	12:33:37	-0.001
9/16/2011	12:34:37	0.001
9/16/2011	12:35:37	-0.001
9/16/2011	12:36:37	-0.001
9/16/2011	12:37:37	-0.001
9/16/2011	12:38:37	-0.001
9/16/2011	12:39:37	-0.001
9/16/2011	12:40:37	-0.001
9/16/2011	12:41:37	-0.001
9/16/2011	12:42:37	-0.001
9/16/2011	12:43:37	-0.001
9/16/2011	12:44:37	-0.001
9/16/2011	12:45:37	-0.001
9/16/2011	12:46:37	-0.001
9/16/2011	12:47:37	0.000
9/16/2011	12:48:37	0.000
9/16/2011	12:49:37	0.000
9/16/2011	12:50:37	-0.001
9/16/2011	12:51:37	-0.001
9/16/2011	12:52:37	-0.001
9/16/2011	12:53:37	-0.001
9/16/2011	12:54:37	-0.001
9/16/2011	12:55:37	-0.001
9/16/2011	12:56:37	-0.001
9/16/2011	12:57:37	-0.001
9/16/2011	12:58:37	-0.001
9/16/2011	12:59:37	0.000
9/16/2011	13:00:37	0.000
9/16/2011	13:01:37	0.000

Location:		**Downwind Dust**
Date of Monitoring		**9/16/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 001	Log Interval (mm:ss)	1:00
Data Points: 356	Calibration Date:	5/17/2011
Statistics	Maximum:	0.010
	Average:	-0.002
	Minimum:	-0.003
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/16/2011	13:02:37	0.000
9/16/2011	13:03:37	-0.001
9/16/2011	13:04:37	-0.001
9/16/2011	13:05:37	-0.001
9/16/2011	13:06:37	-0.001
9/16/2011	13:07:37	-0.001
9/16/2011	13:08:37	-0.001
9/16/2011	13:09:37	-0.001
9/16/2011	13:10:37	-0.001
9/16/2011	13:11:37	-0.001
9/16/2011	13:12:37	-0.001
9/16/2011	13:13:37	-0.001
9/16/2011	13:14:37	-0.001
9/16/2011	13:15:37	-0.001
9/16/2011	13:16:37	-0.001
9/16/2011	13:17:37	-0.001
9/16/2011	13:18:37	-0.001
9/16/2011	13:19:37	-0.001
9/16/2011	13:20:37	-0.001
9/16/2011	13:21:37	-0.001
9/16/2011	13:22:37	-0.001
9/16/2011	13:23:37	-0.001
9/16/2011	13:24:37	-0.001
9/16/2011	13:25:37	-0.001
9/16/2011	13:26:37	-0.001
9/16/2011	13:27:37	-0.001
9/16/2011	13:28:37	-0.001
9/16/2011	13:29:37	-0.001
9/16/2011	13:30:37	-0.001
9/16/2011	13:31:37	-0.001
9/16/2011	13:32:37	-0.001

Location:		**Downwind Dust**
Date of Monitoring		**9/16/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 001	Log Interval (mm:ss)	1:00
Data Points: 356	Calibration Date:	5/17/2011
Statistics	Maximum:	0.010
	Average:	-0.002
	Minimum:	-0.003
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/16/2011	13:33:37	-0.001
9/16/2011	13:34:37	-0.001
9/16/2011	13:35:37	-0.001
9/16/2011	13:36:37	-0.001
9/16/2011	13:37:37	-0.001
9/16/2011	13:38:37	-0.001
9/16/2011	13:39:37	-0.001
9/16/2011	13:40:37	-0.001
9/16/2011	13:41:37	-0.002
9/16/2011	13:42:37	-0.001
9/16/2011	13:43:37	-0.001
9/16/2011	13:44:37	-0.001
9/16/2011	13:45:37	-0.001
9/16/2011	13:46:37	-0.001
9/16/2011	13:47:37	-0.001
9/16/2011	13:48:37	-0.001
9/16/2011	13:49:37	-0.001
9/16/2011	13:50:37	-0.001
9/16/2011	13:51:37	-0.001
9/16/2011	13:52:37	-0.001
9/16/2011	13:53:37	0.000
9/16/2011	13:54:37	-0.001
9/16/2011	13:55:37	-0.001
9/16/2011	13:56:37	0.000
9/16/2011	13:57:37	-0.001
9/16/2011	13:58:37	0.000
9/16/2011	13:59:37	0.000
9/16/2011	14:00:37	-0.001
9/16/2011	14:01:37	-0.001
9/16/2011	14:02:37	-0.001
9/16/2011	14:03:37	-0.001

Location:		**Downwind Dust**
Date of Monitoring		**9/16/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 001	Log Interval (mm:ss)	1:00
Data Points: 356	Calibration Date:	5/17/2011
Statistics	Maximum:	0.010
	Average:	-0.002
	Minimum:	-0.003
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/16/2011	14:04:37	-0.001
9/16/2011	14:05:37	-0.001
9/16/2011	14:06:37	0.000
9/16/2011	14:07:37	-0.001
9/16/2011	14:08:37	-0.001
9/16/2011	14:09:37	-0.001
9/16/2011	14:10:37	0.000
9/16/2011	14:11:37	0.000
9/16/2011	14:12:37	-0.001
9/16/2011	14:13:37	-0.001
9/16/2011	14:14:37	-0.001
9/16/2011	14:15:37	-0.001
9/16/2011	14:16:37	-0.001
9/16/2011	14:17:37	-0.001
9/16/2011	14:18:37	-0.001

Location:		**Downwind Dust**
Date of Monitoring		**9/19/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 002	Log Interval (mm:ss)	1:00
Data Points: 213	Calibration Date:	5/17/2011
Statistics	Maximum:	0.034
	Average:	0.004
	Minimum:	0.001
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/19/2011	10:51:57	0.013
9/19/2011	10:52:57	0.003
9/19/2011	10:53:57	0.003
9/19/2011	10:54:57	0.003
9/19/2011	10:55:57	0.003
9/19/2011	10:56:57	0.004
9/19/2011	10:57:57	0.002
9/19/2011	10:58:57	0.002
9/19/2011	10:59:57	0.002
9/19/2011	11:00:57	0.012
9/19/2011	11:01:57	0.003
9/19/2011	11:02:57	0.002
9/19/2011	11:03:57	0.002
9/19/2011	11:04:57	0.002
9/19/2011	11:05:57	0.003
9/19/2011	11:06:57	0.029
9/19/2011	11:07:57	0.002
9/19/2011	11:08:57	0.002
9/19/2011	11:09:57	0.003
9/19/2011	11:10:57	0.009
9/19/2011	11:11:57	0.005
9/19/2011	11:12:57	0.002
9/19/2011	11:13:57	0.004
9/19/2011	11:14:57	0.004
9/19/2011	11:15:57	0.002
9/19/2011	11:16:57	0.002
9/19/2011	11:17:57	0.003
9/19/2011	11:18:57	0.002
9/19/2011	11:19:57	0.007
9/19/2011	11:20:57	0.005
9/19/2011	11:21:57	0.004

Location:		**Downwind Dust**
Date of Monitoring		**9/19/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 002	Log Interval (mm:ss)	1:00
Data Points: 213	Calibration Date:	5/17/2011
Statistics	Maximum:	0.034
	Average:	0.004
	Minimum:	0.001
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/19/2011	11:22:57	0.003
9/19/2011	11:23:57	0.003
9/19/2011	11:24:57	0.004
9/19/2011	11:25:57	0.003
9/19/2011	11:26:57	0.002
9/19/2011	11:27:57	0.003
9/19/2011	11:28:57	0.003
9/19/2011	11:29:57	0.003
9/19/2011	11:30:57	0.002
9/19/2011	11:31:57	0.002
9/19/2011	11:32:57	0.002
9/19/2011	11:33:57	0.002
9/19/2011	11:34:57	0.004
9/19/2011	11:35:57	0.003
9/19/2011	11:36:57	0.003
9/19/2011	11:37:57	0.002
9/19/2011	11:38:57	0.002
9/19/2011	11:39:57	0.003
9/19/2011	11:40:57	0.002
9/19/2011	11:41:57	0.001
9/19/2011	11:42:57	0.001
9/19/2011	11:43:57	0.001
9/19/2011	11:44:57	0.002
9/19/2011	11:45:57	0.001
9/19/2011	11:46:57	0.001
9/19/2011	11:47:57	0.001
9/19/2011	11:48:57	0.001
9/19/2011	11:49:57	0.002
9/19/2011	11:50:57	0.002
9/19/2011	11:51:57	0.002
9/19/2011	11:52:57	0.002

Location:		**Downwind Dust**
Date of Monitoring		**9/19/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 002	Log Interval (mm:ss)	1:00
Data Points: 213	Calibration Date:	5/17/2011
Statistics	Maximum:	0.034
	Average:	0.004
	Minimum:	0.001
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/19/2011	11:53:57	0.002
9/19/2011	11:54:57	0.002
9/19/2011	11:55:57	0.003
9/19/2011	11:56:57	0.002
9/19/2011	11:57:57	0.002
9/19/2011	11:58:57	0.001
9/19/2011	11:59:57	0.002
9/19/2011	12:00:57	0.002
9/19/2011	12:01:57	0.001
9/19/2011	12:02:57	0.001
9/19/2011	12:03:57	0.001
9/19/2011	12:04:57	0.001
9/19/2011	12:05:57	0.001
9/19/2011	12:06:57	0.001
9/19/2011	12:07:57	0.001
9/19/2011	12:08:57	0.003
9/19/2011	12:09:57	0.003
9/19/2011	12:10:57	0.003
9/19/2011	12:11:57	0.004
9/19/2011	12:12:57	0.001
9/19/2011	12:13:57	0.001
9/19/2011	12:14:57	0.002
9/19/2011	12:15:57	0.003
9/19/2011	12:16:57	0.002
9/19/2011	12:17:57	0.002
9/19/2011	12:18:57	0.002
9/19/2011	12:19:57	0.002
9/19/2011	12:20:57	0.002
9/19/2011	12:21:57	0.003
9/19/2011	12:22:57	0.002
9/19/2011	12:23:57	0.002

Location:		**Downwind Dust**
Date of Monitoring		**9/19/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 002	Log Interval (mm:ss)	1:00
Data Points: 213	Calibration Date:	5/17/2011
Statistics	Maximum:	0.034
	Average:	0.004
	Minimum:	0.001
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/19/2011	12:24:57	0.007
9/19/2011	12:25:57	0.004
9/19/2011	12:26:57	0.004
9/19/2011	12:27:57	0.002
9/19/2011	12:28:57	0.008
9/19/2011	12:29:57	0.002
9/19/2011	12:30:57	0.002
9/19/2011	12:31:57	0.002
9/19/2011	12:32:57	0.003
9/19/2011	12:33:57	0.002
9/19/2011	12:34:57	0.004
9/19/2011	12:35:57	0.002
9/19/2011	12:36:57	0.002
9/19/2011	12:37:57	0.003
9/19/2011	12:38:57	0.003
9/19/2011	12:39:57	0.009
9/19/2011	12:40:57	0.008
9/19/2011	12:41:57	0.003
9/19/2011	12:42:57	0.008
9/19/2011	12:43:57	0.003
9/19/2011	12:44:57	0.002
9/19/2011	12:45:57	0.005
9/19/2011	12:46:57	0.006
9/19/2011	12:47:57	0.003
9/19/2011	12:48:57	0.002
9/19/2011	12:49:57	0.003
9/19/2011	12:50:57	0.004
9/19/2011	12:51:57	0.002
9/19/2011	12:52:57	0.034
9/19/2011	12:53:57	0.010
9/19/2011	12:54:57	0.025

Location:		**Downwind Dust**
Date of Monitoring		**9/19/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 002	Log Interval (mm:ss)	1:00
Data Points: 213	Calibration Date:	5/17/2011
Statistics	Maximum:	0.034
	Average:	0.004
	Minimum:	0.001
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/19/2011	12:55:57	0.005
9/19/2011	12:56:57	0.003
9/19/2011	12:57:57	0.003
9/19/2011	12:58:57	0.003
9/19/2011	12:59:57	0.002
9/19/2011	13:00:57	0.003
9/19/2011	13:01:57	0.003
9/19/2011	13:02:57	0.002
9/19/2011	13:03:57	0.003
9/19/2011	13:04:57	0.003
9/19/2011	13:05:57	0.003
9/19/2011	13:06:57	0.004
9/19/2011	13:07:57	0.002
9/19/2011	13:08:57	0.003
9/19/2011	13:09:57	0.002
9/19/2011	13:10:57	0.002
9/19/2011	13:11:57	0.002
9/19/2011	13:12:57	0.003
9/19/2011	13:13:57	0.002
9/19/2011	13:14:57	0.002
9/19/2011	13:15:57	0.002
9/19/2011	13:16:57	0.002
9/19/2011	13:17:57	0.003
9/19/2011	13:18:57	0.003
9/19/2011	13:19:57	0.002
9/19/2011	13:20:57	0.002
9/19/2011	13:21:57	0.002
9/19/2011	13:22:57	0.003
9/19/2011	13:23:57	0.004
9/19/2011	13:24:57	0.004
9/19/2011	13:25:57	0.003

Location:		**Downwind Dust**
Date of Monitoring		**9/19/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 002	Log Interval (mm:ss)	1:00
Data Points: 213	Calibration Date:	5/17/2011
Statistics	Maximum:	0.034
	Average:	0.004
	Minimum:	0.001
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/19/2011	13:26:57	0.003
9/19/2011	13:27:57	0.005
9/19/2011	13:28:57	0.005
9/19/2011	13:29:57	0.003
9/19/2011	13:30:57	0.003
9/19/2011	13:31:57	0.003
9/19/2011	13:32:57	0.004
9/19/2011	13:33:57	0.004
9/19/2011	13:34:57	0.004
9/19/2011	13:35:57	0.003
9/19/2011	13:36:57	0.004
9/19/2011	13:37:57	0.003
9/19/2011	13:38:57	0.003
9/19/2011	13:39:57	0.003
9/19/2011	13:40:57	0.004
9/19/2011	13:41:57	0.004
9/19/2011	13:42:57	0.003
9/19/2011	13:43:57	0.003
9/19/2011	13:44:57	0.003
9/19/2011	13:45:57	0.004
9/19/2011	13:46:57	0.003
9/19/2011	13:47:57	0.005
9/19/2011	13:48:57	0.004
9/19/2011	13:49:57	0.005
9/19/2011	13:50:57	0.005
9/19/2011	13:51:57	0.011
9/19/2011	13:52:57	0.013
9/19/2011	13:53:57	0.027
9/19/2011	13:54:57	0.009
9/19/2011	13:55:57	0.012
9/19/2011	13:56:57	0.007

Location:		**Downwind Dust**
Date of Monitoring		**9/19/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 002	Log Interval (mm:ss)	1:00
Data Points: 213	Calibration Date:	5/17/2011
Statistics	Maximum:	0.034
	Average:	0.004
	Minimum:	0.001
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/19/2011	13:57:57	0.004
9/19/2011	13:58:57	0.004
9/19/2011	13:59:57	0.005
9/19/2011	14:00:57	0.022
9/19/2011	14:01:57	0.011
9/19/2011	14:02:57	0.006
9/19/2011	14:03:57	0.006
9/19/2011	14:04:57	0.005
9/19/2011	14:05:57	0.006
9/19/2011	14:06:57	0.006
9/19/2011	14:07:57	0.007
9/19/2011	14:08:57	0.005
9/19/2011	14:09:57	0.007
9/19/2011	14:10:57	0.007
9/19/2011	14:11:57	0.009
9/19/2011	14:12:57	0.006
9/19/2011	14:13:57	0.006
9/19/2011	14:14:57	0.006
9/19/2011	14:15:57	0.006
9/19/2011	14:16:57	0.006
9/19/2011	14:17:57	0.006
9/19/2011	14:18:57	0.006
9/19/2011	14:19:57	0.006
9/19/2011	14:20:57	0.006
9/19/2011	14:21:57	0.006
9/19/2011	14:22:57	0.006
9/19/2011	14:23:57	0.006

Location:		**Downwind Dust**
Date of Monitoring		**9/22/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 005	Log Interval (mm:ss)	1:00
Data Points: 294	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.021
	Minimum:	0.010
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/22/2011	10:21:28	0.011
9/22/2011	10:22:28	0.011
9/22/2011	10:23:28	0.010
9/22/2011	10:24:28	0.011
9/22/2011	10:25:28	0.012
9/22/2011	10:26:28	0.012
9/22/2011	10:27:28	0.011
9/22/2011	10:28:28	0.012
9/22/2011	10:29:28	0.013
9/22/2011	10:30:28	0.016
9/22/2011	10:31:28	0.013
9/22/2011	10:32:28	0.012
9/22/2011	10:33:28	0.013
9/22/2011	10:34:28	0.012
9/22/2011	10:35:28	0.012
9/22/2011	10:36:28	0.013
9/22/2011	10:37:28	0.013
9/22/2011	10:38:28	0.014
9/22/2011	10:39:28	0.014
9/22/2011	10:40:28	0.014
9/22/2011	10:41:28	0.016
9/22/2011	10:42:28	0.016
9/22/2011	10:43:28	0.015
9/22/2011	10:44:28	0.015
9/22/2011	10:45:28	0.014
9/22/2011	10:46:28	0.015
9/22/2011	10:47:28	0.015
9/22/2011	10:48:28	0.015
9/22/2011	10:49:28	0.015
9/22/2011	10:50:28	0.021
9/22/2011	10:51:28	0.029

Location:		**Downwind Dust**
Date of Monitoring		**9/22/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 005	Log Interval (mm:ss)	1:00
Data Points: 294	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.021
	Minimum:	0.010
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/22/2011	10:52:28	0.017
9/22/2011	10:53:28	0.016
9/22/2011	10:54:28	0.016
9/22/2011	10:55:28	0.016
9/22/2011	10:56:28	0.016
9/22/2011	10:57:28	0.016
9/22/2011	10:58:28	0.015
9/22/2011	10:59:28	0.016
9/22/2011	11:00:28	0.016
9/22/2011	11:01:28	0.016
9/22/2011	11:02:28	0.018
9/22/2011	11:03:28	0.018
9/22/2011	11:04:28	0.019
9/22/2011	11:05:28	0.018
9/22/2011	11:06:28	0.017
9/22/2011	11:07:28	0.019
9/22/2011	11:08:28	0.017
9/22/2011	11:09:28	0.016
9/22/2011	11:10:28	0.018
9/22/2011	11:11:28	0.016
9/22/2011	11:12:28	0.016
9/22/2011	11:13:28	0.016
9/22/2011	11:14:28	0.014
9/22/2011	11:15:28	0.015
9/22/2011	11:16:28	0.015
9/22/2011	11:17:28	0.014
9/22/2011	11:18:28	0.015
9/22/2011	11:19:28	0.014
9/22/2011	11:20:28	0.014
9/22/2011	11:21:28	0.014
9/22/2011	11:22:28	0.014

Location:		**Downwind Dust**
Date of Monitoring		**9/22/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 005	Log Interval (mm:ss)	1:00
Data Points: 294	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.021
	Minimum:	0.010
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/22/2011	11:23:28	0.016
9/22/2011	11:24:28	0.015
9/22/2011	11:25:28	0.015
9/22/2011	11:26:28	0.015
9/22/2011	11:27:28	0.015
9/22/2011	11:28:28	0.014
9/22/2011	11:29:28	0.014
9/22/2011	11:30:28	0.014
9/22/2011	11:31:28	0.014
9/22/2011	11:32:28	0.015
9/22/2011	11:33:28	0.014
9/22/2011	11:34:28	0.014
9/22/2011	11:35:28	0.014
9/22/2011	11:36:28	0.015
9/22/2011	11:37:28	0.015
9/22/2011	11:38:28	0.015
9/22/2011	11:39:28	0.016
9/22/2011	11:40:28	0.017
9/22/2011	11:41:28	0.015
9/22/2011	11:42:28	0.015
9/22/2011	11:43:28	0.015
9/22/2011	11:44:28	0.016
9/22/2011	11:45:28	0.015
9/22/2011	11:46:28	0.014
9/22/2011	11:47:28	0.014
9/22/2011	11:48:28	0.015
9/22/2011	11:49:28	0.014
9/22/2011	11:50:28	0.014
9/22/2011	11:51:28	0.014
9/22/2011	11:52:28	0.014
9/22/2011	11:53:28	0.014

Location:		**Downwind Dust**
Date of Monitoring		**9/22/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 005	Log Interval (mm:ss)	1:00
Data Points: 294	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.021
	Minimum:	0.010
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/22/2011	11:54:28	0.014
9/22/2011	11:55:28	0.015
9/22/2011	11:56:28	0.016
9/22/2011	11:57:28	0.017
9/22/2011	11:58:28	0.018
9/22/2011	11:59:28	0.015
9/22/2011	12:00:28	0.015
9/22/2011	12:01:28	0.017
9/22/2011	12:02:28	0.017
9/22/2011	12:03:28	0.017
9/22/2011	12:04:28	0.016
9/22/2011	12:05:28	0.016
9/22/2011	12:06:28	0.017
9/22/2011	12:07:28	0.017
9/22/2011	12:08:28	0.018
9/22/2011	12:09:28	0.018
9/22/2011	12:10:28	0.017
9/22/2011	12:11:28	0.018
9/22/2011	12:12:28	0.017
9/22/2011	12:13:28	0.018
9/22/2011	12:14:28	0.018
9/22/2011	12:15:28	0.017
9/22/2011	12:16:28	0.019
9/22/2011	12:17:28	0.020
9/22/2011	12:18:28	0.019
9/22/2011	12:19:28	0.019
9/22/2011	12:20:28	0.019
9/22/2011	12:21:28	0.020
9/22/2011	12:22:28	0.020
9/22/2011	12:23:28	0.022
9/22/2011	12:24:28	0.021

Location:		**Downwind Dust**
Date of Monitoring		**9/22/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 005	Log Interval (mm:ss)	1:00
Data Points: 294	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.021
	Minimum:	0.010
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/22/2011	12:25:28	0.022
9/22/2011	12:26:28	0.022
9/22/2011	12:27:28	0.024
9/22/2011	12:28:28	0.022
9/22/2011	12:29:28	0.024
9/22/2011	12:30:28	0.024
9/22/2011	12:31:28	0.021
9/22/2011	12:32:28	0.021
9/22/2011	12:33:28	0.021
9/22/2011	12:34:28	0.022
9/22/2011	12:35:28	0.023
9/22/2011	12:36:28	0.022
9/22/2011	12:37:28	0.022
9/22/2011	12:38:28	0.022
9/22/2011	12:39:28	0.023
9/22/2011	12:40:28	0.022
9/22/2011	12:41:28	0.022
9/22/2011	12:42:28	0.022
9/22/2011	12:43:28	0.022
9/22/2011	12:44:28	0.022
9/22/2011	12:45:28	0.021
9/22/2011	12:46:28	0.022
9/22/2011	12:47:28	0.023
9/22/2011	12:48:28	0.025
9/22/2011	12:49:28	0.027
9/22/2011	12:50:28	0.024
9/22/2011	12:51:28	0.027
9/22/2011	12:52:28	0.029
9/22/2011	12:53:28	0.026
9/22/2011	12:54:28	0.024
9/22/2011	12:55:28	0.025

Location:		**Downwind Dust**
Date of Monitoring		**9/22/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 005	Log Interval (mm:ss)	1:00
Data Points: 294	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.021
	Minimum:	0.010
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/22/2011	12:56:28	0.026
9/22/2011	12:57:28	0.026
9/22/2011	12:58:28	0.027
9/22/2011	12:59:28	0.031
9/22/2011	13:00:28	0.027
9/22/2011	13:01:28	0.028
9/22/2011	13:02:28	0.028
9/22/2011	13:03:28	0.026
9/22/2011	13:04:28	0.027
9/22/2011	13:05:28	0.030
9/22/2011	13:06:28	0.027
9/22/2011	13:07:28	0.026
9/22/2011	13:08:28	0.026
9/22/2011	13:09:28	0.026
9/22/2011	13:10:28	0.027
9/22/2011	13:11:28	0.026
9/22/2011	13:12:28	0.027
9/22/2011	13:13:28	0.025
9/22/2011	13:14:28	0.026
9/22/2011	13:15:28	0.026
9/22/2011	13:16:28	0.026
9/22/2011	13:17:28	0.026
9/22/2011	13:18:28	0.025
9/22/2011	13:19:28	0.024
9/22/2011	13:20:28	0.025
9/22/2011	13:21:28	0.027
9/22/2011	13:22:28	0.026
9/22/2011	13:23:28	0.026
9/22/2011	13:24:28	0.027
9/22/2011	13:25:28	0.027
9/22/2011	13:26:28	0.027

Location:		**Downwind Dust**
Date of Monitoring		**9/22/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 005	Log Interval (mm:ss)	1:00
Data Points: 294	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.021
	Minimum:	0.010
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/22/2011	13:27:28	0.028
9/22/2011	13:28:28	0.027
9/22/2011	13:29:28	0.026
9/22/2011	13:30:28	0.028
9/22/2011	13:31:28	0.027
9/22/2011	13:32:28	0.027
9/22/2011	13:33:28	0.025
9/22/2011	13:34:28	0.032
9/22/2011	13:35:28	0.026
9/22/2011	13:36:28	0.027
9/22/2011	13:37:28	0.027
9/22/2011	13:38:28	0.028
9/22/2011	13:39:28	0.028
9/22/2011	13:40:28	0.029
9/22/2011	13:41:28	0.028
9/22/2011	13:42:28	0.026
9/22/2011	13:43:28	0.027
9/22/2011	13:44:28	0.028
9/22/2011	13:45:28	0.027
9/22/2011	13:46:28	0.027
9/22/2011	13:47:28	0.028
9/22/2011	13:48:28	0.028
9/22/2011	13:49:28	0.029
9/22/2011	13:50:28	0.029
9/22/2011	13:51:28	0.027
9/22/2011	13:52:28	0.027
9/22/2011	13:53:28	0.028
9/22/2011	13:54:28	0.029
9/22/2011	13:55:28	0.028
9/22/2011	13:56:28	0.026
9/22/2011	13:57:28	0.027

Location:		**Downwind Dust**
Date of Monitoring		**9/22/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 005	Log Interval (mm:ss)	1:00
Data Points: 294	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.021
	Minimum:	0.010
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/22/2011	13:58:28	0.026
9/22/2011	13:59:28	0.025
9/22/2011	14:00:28	0.025
9/22/2011	14:01:28	0.025
9/22/2011	14:02:28	0.027
9/22/2011	14:03:28	0.025
9/22/2011	14:04:28	0.025
9/22/2011	14:05:28	0.024
9/22/2011	14:06:28	0.023
9/22/2011	14:07:28	0.024
9/22/2011	14:08:28	0.025
9/22/2011	14:09:28	0.026
9/22/2011	14:10:28	0.025
9/22/2011	14:11:28	0.024
9/22/2011	14:12:28	0.025
9/22/2011	14:13:28	0.025
9/22/2011	14:14:28	0.026
9/22/2011	14:15:28	0.026
9/22/2011	14:16:28	0.024
9/22/2011	14:17:28	0.024
9/22/2011	14:18:28	0.024
9/22/2011	14:19:28	0.024
9/22/2011	14:20:28	0.024
9/22/2011	14:21:28	0.024
9/22/2011	14:22:28	0.024
9/22/2011	14:23:28	0.025
9/22/2011	14:24:28	0.022
9/22/2011	14:25:28	0.021
9/22/2011	14:26:28	0.023
9/22/2011	14:27:28	0.022
9/22/2011	14:28:28	0.022

Location:		**Downwind Dust**
Date of Monitoring		**9/22/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 005	Log Interval (mm:ss)	1:00
Data Points: 294	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.021
	Minimum:	0.010
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/22/2011	14:29:28	0.022
9/22/2011	14:30:28	0.023
9/22/2011	14:31:28	0.022
9/22/2011	14:32:28	0.025
9/22/2011	14:33:28	0.024
9/22/2011	14:34:28	0.023
9/22/2011	14:35:28	0.022
9/22/2011	14:36:28	0.022
9/22/2011	14:37:28	0.022
9/22/2011	14:38:28	0.022
9/22/2011	14:39:28	0.020
9/22/2011	14:40:28	0.020
9/22/2011	14:41:28	0.021
9/22/2011	14:42:28	0.020
9/22/2011	14:43:28	0.020
9/22/2011	14:44:28	0.022
9/22/2011	14:45:28	0.022
9/22/2011	14:46:28	0.020
9/22/2011	14:47:28	0.021
9/22/2011	14:48:28	0.023
9/22/2011	14:49:28	0.022
9/22/2011	14:50:28	0.019
9/22/2011	14:51:28	0.018
9/22/2011	14:52:28	0.020
9/22/2011	14:53:28	0.020
9/22/2011	14:54:28	0.020
9/22/2011	14:55:28	0.019
9/22/2011	14:56:28	0.019
9/22/2011	14:57:28	0.020
9/22/2011	14:58:28	0.019
9/22/2011	14:59:28	0.020

Location:		**Downwind Dust**
Date of Monitoring		**9/22/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 005	Log Interval (mm:ss)	1:00
Data Points: 294	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.021
	Minimum:	0.010
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/22/2011	15:00:28	0.019
9/22/2011	15:01:28	0.019
9/22/2011	15:02:28	0.019
9/22/2011	15:03:28	0.019
9/22/2011	15:04:28	0.020
9/22/2011	15:05:28	0.020
9/22/2011	15:06:28	0.020
9/22/2011	15:07:28	0.020
9/22/2011	15:08:28	0.021
9/22/2011	15:09:28	0.022
9/22/2011	15:10:28	0.022
9/22/2011	15:11:28	0.023
9/22/2011	15:12:28	0.023
9/22/2011	15:13:28	0.022
9/22/2011	15:14:28	0.023

Location:		**Downwind Dust**
Date of Monitoring		**9/23/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 006	Log Interval (mm:ss)	1:00
Data Points: 355	Calibration Date:	5/17/2011
Statistics	Maximum:	0.055
	Average:	0.009
	Minimum:	0.002
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/23/2011	7:24:57	0.011
9/23/2011	7:25:57	0.009
9/23/2011	7:26:57	0.009
9/23/2011	7:27:57	0.008
9/23/2011	7:28:57	0.008
9/23/2011	7:29:57	0.007
9/23/2011	7:30:57	0.008
9/23/2011	7:31:57	0.008
9/23/2011	7:32:57	0.009
9/23/2011	7:33:57	0.008
9/23/2011	7:34:57	0.009
9/23/2011	7:35:57	0.008
9/23/2011	7:36:57	0.009
9/23/2011	7:37:57	0.009
9/23/2011	7:38:57	0.009
9/23/2011	7:39:57	0.010
9/23/2011	7:40:57	0.007
9/23/2011	7:41:57	0.009
9/23/2011	7:42:57	0.008
9/23/2011	7:43:57	0.008
9/23/2011	7:44:57	0.008
9/23/2011	7:45:57	0.008
9/23/2011	7:46:57	0.008
9/23/2011	7:47:57	0.009
9/23/2011	7:48:57	0.008
9/23/2011	7:49:57	0.007
9/23/2011	7:50:57	0.008
9/23/2011	7:51:57	0.009
9/23/2011	7:52:57	0.009
9/23/2011	7:53:57	0.008
9/23/2011	7:54:57	0.010

Location:		**Downwind Dust**
Date of Monitoring		**9/23/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 006	Log Interval (mm:ss)	1:00
Data Points: 355	Calibration Date:	5/17/2011
Statistics	Maximum:	0.055
	Average:	0.009
	Minimum:	0.002
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/23/2011	7:55:57	0.009
9/23/2011	7:56:57	0.009
9/23/2011	7:57:57	0.009
9/23/2011	7:58:57	0.008
9/23/2011	7:59:57	0.009
9/23/2011	8:00:57	0.010
9/23/2011	8:01:57	0.009
9/23/2011	8:02:57	0.010
9/23/2011	8:03:57	0.010
9/23/2011	8:04:57	0.010
9/23/2011	8:05:57	0.010
9/23/2011	8:06:57	0.010
9/23/2011	8:07:57	0.011
9/23/2011	8:08:57	0.012
9/23/2011	8:09:57	0.013
9/23/2011	8:10:57	0.012
9/23/2011	8:11:57	0.011
9/23/2011	8:12:57	0.015
9/23/2011	8:13:57	0.015
9/23/2011	8:14:57	0.016
9/23/2011	8:15:57	0.020
9/23/2011	8:16:57	0.055
9/23/2011	8:17:57	0.035
9/23/2011	8:18:57	0.025
9/23/2011	8:19:57	0.018
9/23/2011	8:20:57	0.016
9/23/2011	8:21:57	0.015
9/23/2011	8:22:57	0.017
9/23/2011	8:23:57	0.018
9/23/2011	8:24:57	0.018
9/23/2011	8:25:57	0.017

Location:		**Downwind Dust**
Date of Monitoring		**9/23/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 006	Log Interval (mm:ss)	1:00
Data Points: 355	Calibration Date:	5/17/2011
Statistics	Maximum:	0.055
	Average:	0.009
	Minimum:	0.002
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/23/2011	8:26:57	0.017
9/23/2011	8:27:57	0.018
9/23/2011	8:28:57	0.017
9/23/2011	8:29:57	0.018
9/23/2011	8:30:57	0.017
9/23/2011	8:31:57	0.016
9/23/2011	8:32:57	0.016
9/23/2011	8:33:57	0.015
9/23/2011	8:34:57	0.013
9/23/2011	8:35:57	0.012
9/23/2011	8:36:57	0.012
9/23/2011	8:37:57	0.013
9/23/2011	8:38:57	0.011
9/23/2011	8:39:57	0.011
9/23/2011	8:40:57	0.009
9/23/2011	8:41:57	0.009
9/23/2011	8:42:57	0.010
9/23/2011	8:43:57	0.010
9/23/2011	8:44:57	0.010
9/23/2011	8:45:57	0.011
9/23/2011	8:46:57	0.009
9/23/2011	8:47:57	0.011
9/23/2011	8:48:57	0.010
9/23/2011	8:49:57	0.011
9/23/2011	8:50:57	0.009
9/23/2011	8:51:57	0.009
9/23/2011	8:52:57	0.009
9/23/2011	8:53:57	0.009
9/23/2011	8:54:57	0.008
9/23/2011	8:55:57	0.010
9/23/2011	8:56:57	0.009

Location:		**Downwind Dust**
Date of Monitoring		**9/23/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 006	Log Interval (mm:ss)	1:00
Data Points: 355	Calibration Date:	5/17/2011
Statistics	Maximum:	0.055
	Average:	0.009
	Minimum:	0.002
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/23/2011	8:57:57	0.009
9/23/2011	8:58:57	0.010
9/23/2011	8:59:57	0.010
9/23/2011	9:00:57	0.009
9/23/2011	9:01:57	0.009
9/23/2011	9:02:57	0.009
9/23/2011	9:03:57	0.010
9/23/2011	9:04:57	0.009
9/23/2011	9:05:57	0.009
9/23/2011	9:06:57	0.009
9/23/2011	9:07:57	0.009
9/23/2011	9:08:57	0.008
9/23/2011	9:09:57	0.009
9/23/2011	9:10:57	0.008
9/23/2011	9:11:57	0.008
9/23/2011	9:12:57	0.007
9/23/2011	9:13:57	0.007
9/23/2011	9:14:57	0.007
9/23/2011	9:15:57	0.007
9/23/2011	9:16:57	0.007
9/23/2011	9:17:57	0.008
9/23/2011	9:18:57	0.007
9/23/2011	9:19:57	0.007
9/23/2011	9:20:57	0.009
9/23/2011	9:21:57	0.006
9/23/2011	9:22:57	0.006
9/23/2011	9:23:57	0.005
9/23/2011	9:24:57	0.006
9/23/2011	9:25:57	0.007
9/23/2011	9:26:57	0.006
9/23/2011	9:27:57	0.005

Location:		**Downwind Dust**
Date of Monitoring		**9/23/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 006	Log Interval (mm:ss)	1:00
Data Points: 355	Calibration Date:	5/17/2011
Statistics	Maximum:	0.055
	Average:	0.009
	Minimum:	0.002
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/23/2011	9:28:57	0.005
9/23/2011	9:29:57	0.007
9/23/2011	9:30:57	0.007
9/23/2011	9:31:57	0.005
9/23/2011	9:32:57	0.006
9/23/2011	9:33:57	0.006
9/23/2011	9:34:57	0.006
9/23/2011	9:35:57	0.006
9/23/2011	9:36:57	0.006
9/23/2011	9:37:57	0.006
9/23/2011	9:38:57	0.006
9/23/2011	9:39:57	0.006
9/23/2011	9:40:57	0.007
9/23/2011	9:41:57	0.006
9/23/2011	9:42:57	0.006
9/23/2011	9:43:57	0.007
9/23/2011	9:44:57	0.006
9/23/2011	9:45:57	0.006
9/23/2011	9:46:57	0.007
9/23/2011	9:47:57	0.005
9/23/2011	9:48:57	0.006
9/23/2011	9:49:57	0.005
9/23/2011	9:50:57	0.005
9/23/2011	9:51:57	0.005
9/23/2011	9:52:57	0.006
9/23/2011	9:53:57	0.004
9/23/2011	9:54:57	0.003
9/23/2011	9:55:57	0.005
9/23/2011	9:56:57	0.004
9/23/2011	9:57:57	0.006
9/23/2011	9:58:57	0.004

Location:		**Downwind Dust**
Date of Monitoring		**9/23/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 006	Log Interval (mm:ss)	1:00
Data Points: 355	Calibration Date:	5/17/2011
Statistics	Maximum:	0.055
	Average:	0.009
	Minimum:	0.002
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/23/2011	9:59:57	0.006
9/23/2011	10:00:57	0.005
9/23/2011	10:01:57	0.004
9/23/2011	10:02:57	0.004
9/23/2011	10:03:57	0.005
9/23/2011	10:04:57	0.005
9/23/2011	10:05:57	0.004
9/23/2011	10:06:57	0.003
9/23/2011	10:07:57	0.003
9/23/2011	10:08:57	0.004
9/23/2011	10:09:57	0.003
9/23/2011	10:10:57	0.003
9/23/2011	10:11:57	0.002
9/23/2011	10:12:57	0.003
9/23/2011	10:13:57	0.004
9/23/2011	10:14:57	0.004
9/23/2011	10:15:57	0.004
9/23/2011	10:16:57	0.004
9/23/2011	10:17:57	0.003
9/23/2011	10:18:57	0.005
9/23/2011	10:19:57	0.004
9/23/2011	10:20:57	0.005
9/23/2011	10:21:57	0.003
9/23/2011	10:22:57	0.003
9/23/2011	10:23:57	0.004
9/23/2011	10:24:57	0.004
9/23/2011	10:25:57	0.003
9/23/2011	10:26:57	0.004
9/23/2011	10:27:57	0.007
9/23/2011	10:28:57	0.004
9/23/2011	10:29:57	0.005

Location:		**Downwind Dust**
Date of Monitoring		**9/23/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 006	Log Interval (mm:ss)	1:00
Data Points: 355	Calibration Date:	5/17/2011
Statistics	Maximum:	0.055
	Average:	0.009
	Minimum:	0.002
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/23/2011	10:30:57	0.005
9/23/2011	10:31:57	0.004
9/23/2011	10:32:57	0.008
9/23/2011	10:33:57	0.008
9/23/2011	10:34:57	0.007
9/23/2011	10:35:57	0.007
9/23/2011	10:36:57	0.006
9/23/2011	10:37:57	0.005
9/23/2011	10:38:57	0.004
9/23/2011	10:39:57	0.005
9/23/2011	10:40:57	0.005
9/23/2011	10:41:57	0.005
9/23/2011	10:42:57	0.004
9/23/2011	10:43:57	0.004
9/23/2011	10:44:57	0.003
9/23/2011	10:45:57	0.004
9/23/2011	10:46:57	0.004
9/23/2011	10:47:57	0.003
9/23/2011	10:48:57	0.005
9/23/2011	10:49:57	0.004
9/23/2011	10:50:57	0.003
9/23/2011	10:51:57	0.003
9/23/2011	10:52:57	0.004
9/23/2011	10:53:57	0.005
9/23/2011	10:54:57	0.004
9/23/2011	10:55:57	0.004
9/23/2011	10:56:57	0.004
9/23/2011	10:57:57	0.004
9/23/2011	10:58:57	0.004
9/23/2011	10:59:57	0.004
9/23/2011	11:00:57	0.006

Location:		**Downwind Dust**
Date of Monitoring		**9/23/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 006	Log Interval (mm:ss)	1:00
Data Points: 355	Calibration Date:	5/17/2011
Statistics	Maximum:	0.055
	Average:	0.009
	Minimum:	0.002
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/23/2011	11:01:57	0.004
9/23/2011	11:02:57	0.006
9/23/2011	11:03:57	0.007
9/23/2011	11:04:57	0.006
9/23/2011	11:05:57	0.005
9/23/2011	11:06:57	0.006
9/23/2011	11:07:57	0.007
9/23/2011	11:08:57	0.005
9/23/2011	11:09:57	0.005
9/23/2011	11:10:57	0.006
9/23/2011	11:11:57	0.007
9/23/2011	11:12:57	0.007
9/23/2011	11:13:57	0.005
9/23/2011	11:14:57	0.006
9/23/2011	11:15:57	0.006
9/23/2011	11:16:57	0.005
9/23/2011	11:17:57	0.005
9/23/2011	11:18:57	0.005
9/23/2011	11:19:57	0.006
9/23/2011	11:20:57	0.006
9/23/2011	11:21:57	0.006
9/23/2011	11:22:57	0.005
9/23/2011	11:23:57	0.006
9/23/2011	11:24:57	0.006
9/23/2011	11:25:57	0.005
9/23/2011	11:26:57	0.006
9/23/2011	11:27:57	0.005
9/23/2011	11:28:57	0.006
9/23/2011	11:29:57	0.007
9/23/2011	11:30:57	0.007
9/23/2011	11:31:57	0.006

Location:		**Downwind Dust**
Date of Monitoring		**9/23/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 006	Log Interval (mm:ss)	1:00
Data Points: 355	Calibration Date:	5/17/2011
Statistics	Maximum:	0.055
	Average:	0.009
	Minimum:	0.002
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/23/2011	11:32:57	0.007
9/23/2011	11:33:57	0.006
9/23/2011	11:34:57	0.007
9/23/2011	11:35:57	0.007
9/23/2011	11:36:57	0.007
9/23/2011	11:37:57	0.007
9/23/2011	11:38:57	0.008
9/23/2011	11:39:57	0.007
9/23/2011	11:40:57	0.007
9/23/2011	11:41:57	0.007
9/23/2011	11:42:57	0.008
9/23/2011	11:43:57	0.008
9/23/2011	11:44:57	0.010
9/23/2011	11:45:57	0.008
9/23/2011	11:46:57	0.008
9/23/2011	11:47:57	0.008
9/23/2011	11:48:57	0.009
9/23/2011	11:49:57	0.008
9/23/2011	11:50:57	0.010
9/23/2011	11:51:57	0.008
9/23/2011	11:52:57	0.009
9/23/2011	11:53:57	0.009
9/23/2011	11:54:57	0.009
9/23/2011	11:55:57	0.009
9/23/2011	11:56:57	0.008
9/23/2011	11:57:57	0.009
9/23/2011	11:58:57	0.008
9/23/2011	11:59:57	0.008
9/23/2011	12:00:57	0.010
9/23/2011	12:01:57	0.010
9/23/2011	12:02:57	0.010

Location:		**Downwind Dust**
Date of Monitoring		**9/23/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 006	Log Interval (mm:ss)	1:00
Data Points: 355	Calibration Date:	5/17/2011
Statistics	Maximum:	0.055
	Average:	0.009
	Minimum:	0.002
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/23/2011	12:03:57	0.010
9/23/2011	12:04:57	0.010
9/23/2011	12:05:57	0.010
9/23/2011	12:06:57	0.011
9/23/2011	12:07:57	0.010
9/23/2011	12:08:57	0.011
9/23/2011	12:09:57	0.011
9/23/2011	12:10:57	0.011
9/23/2011	12:11:57	0.010
9/23/2011	12:12:57	0.011
9/23/2011	12:13:57	0.010
9/23/2011	12:14:57	0.012
9/23/2011	12:15:57	0.012
9/23/2011	12:16:57	0.012
9/23/2011	12:17:57	0.013
9/23/2011	12:18:57	0.012
9/23/2011	12:19:57	0.011
9/23/2011	12:20:57	0.012
9/23/2011	12:21:57	0.012
9/23/2011	12:22:57	0.012
9/23/2011	12:23:57	0.012
9/23/2011	12:24:57	0.013
9/23/2011	12:25:57	0.013
9/23/2011	12:26:57	0.014
9/23/2011	12:27:57	0.013
9/23/2011	12:28:57	0.012
9/23/2011	12:29:57	0.012
9/23/2011	12:30:57	0.012
9/23/2011	12:31:57	0.013
9/23/2011	12:32:57	0.013
9/23/2011	12:33:57	0.013

Location:		**Downwind Dust**
Date of Monitoring		**9/23/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 006	Log Interval (mm:ss)	1:00
Data Points: 355	Calibration Date:	5/17/2011
Statistics	Maximum:	0.055
	Average:	0.009
	Minimum:	0.002
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/23/2011	12:34:57	0.014
9/23/2011	12:35:57	0.013
9/23/2011	12:36:57	0.013
9/23/2011	12:37:57	0.014
9/23/2011	12:38:57	0.014
9/23/2011	12:39:57	0.013
9/23/2011	12:40:57	0.013
9/23/2011	12:41:57	0.013
9/23/2011	12:42:57	0.013
9/23/2011	12:43:57	0.014
9/23/2011	12:44:57	0.015
9/23/2011	12:45:57	0.013
9/23/2011	12:46:57	0.014
9/23/2011	12:47:57	0.013
9/23/2011	12:48:57	0.014
9/23/2011	12:49:57	0.015
9/23/2011	12:50:57	0.015
9/23/2011	12:51:57	0.015
9/23/2011	12:52:57	0.015
9/23/2011	12:53:57	0.015
9/23/2011	12:54:57	0.016
9/23/2011	12:55:57	0.016
9/23/2011	12:56:57	0.016
9/23/2011	12:57:57	0.016
9/23/2011	12:58:57	0.017
9/23/2011	12:59:57	0.017
9/23/2011	13:00:57	0.016
9/23/2011	13:01:57	0.017
9/23/2011	13:02:57	0.017
9/23/2011	13:03:57	0.017
9/23/2011	13:04:57	0.017

Location:		**Downwind Dust**
Date of Monitoring		**9/23/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 006	Log Interval (mm:ss)	1:00
Data Points: 355	Calibration Date:	5/17/2011
Statistics	Maximum:	0.055
	Average:	0.009
	Minimum:	0.002
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/23/2011	13:05:57	0.017
9/23/2011	13:06:57	0.017
9/23/2011	13:07:57	0.017
9/23/2011	13:08:57	0.018
9/23/2011	13:09:57	0.017
9/23/2011	13:10:57	0.016
9/23/2011	13:11:57	0.017
9/23/2011	13:12:57	0.017
9/23/2011	13:13:57	0.017
9/23/2011	13:14:57	0.017
9/23/2011	13:15:57	0.018
9/23/2011	13:16:57	0.018
9/23/2011	13:17:57	0.018
9/23/2011	13:18:57	0.018

Location:		**Downwind Dust**
Date of Monitoring		**10/3/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 009	Log Interval (mm:ss)	1:00
Data Points: 305	Calibration Date:	10/2/2011
Statistics	Maximum:	0.068
	Average:	0.002
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/3/2011	9:50:22	0.002
10/3/2011	9:51:22	0.001
10/3/2011	9:52:22	0.001
10/3/2011	9:53:22	0.004
10/3/2011	9:54:22	0.001
10/3/2011	9:55:22	0.001
10/3/2011	9:56:22	0.001
10/3/2011	9:57:22	0.001
10/3/2011	9:58:22	0.001
10/3/2011	9:59:22	0.001
10/3/2011	10:00:22	0.000
10/3/2011	10:01:22	0.000
10/3/2011	10:02:22	0.000
10/3/2011	10:03:22	0.001
10/3/2011	10:04:22	0.000
10/3/2011	10:05:22	0.001
10/3/2011	10:06:22	0.001
10/3/2011	10:07:22	0.001
10/3/2011	10:08:22	0.001
10/3/2011	10:09:22	0.001
10/3/2011	10:10:22	0.001
10/3/2011	10:11:22	0.001
10/3/2011	10:12:22	0.001
10/3/2011	10:13:22	0.001
10/3/2011	10:14:22	0.001
10/3/2011	10:15:22	0.002
10/3/2011	10:16:22	0.001
10/3/2011	10:17:22	0.002
10/3/2011	10:18:22	0.002
10/3/2011	10:19:22	0.001
10/3/2011	10:20:22	0.002

Location:		**Downwind Dust**
Date of Monitoring		**10/3/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 009	Log Interval (mm:ss)	1:00
Data Points: 305	Calibration Date:	10/2/2011
Statistics	Maximum:	0.068
	Average:	0.002
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/3/2011	10:21:22	0.001
10/3/2011	10:22:22	0.001
10/3/2011	10:23:22	0.001
10/3/2011	10:24:22	0.001
10/3/2011	10:25:22	0.001
10/3/2011	10:26:22	0.001
10/3/2011	10:27:22	0.001
10/3/2011	10:28:22	0.001
10/3/2011	10:29:22	0.001
10/3/2011	10:30:22	0.001
10/3/2011	10:31:22	0.002
10/3/2011	10:32:22	0.001
10/3/2011	10:33:22	0.001
10/3/2011	10:34:22	0.000
10/3/2011	10:35:22	0.001
10/3/2011	10:36:22	0.001
10/3/2011	10:37:22	0.001
10/3/2011	10:38:22	0.001
10/3/2011	10:39:22	0.002
10/3/2011	10:40:22	0.002
10/3/2011	10:41:22	0.001
10/3/2011	10:42:22	0.001
10/3/2011	10:43:22	0.001
10/3/2011	10:44:22	0.001
10/3/2011	10:45:22	0.001
10/3/2011	10:46:22	0.002
10/3/2011	10:47:22	0.001
10/3/2011	10:48:22	0.001
10/3/2011	10:49:22	0.001
10/3/2011	10:50:22	0.002
10/3/2011	10:51:22	0.001

Location:		**Downwind Dust**
Date of Monitoring		**10/3/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 009	Log Interval (mm:ss)	1:00
Data Points: 305	Calibration Date:	10/2/2011
Statistics	Maximum:	0.068
	Average:	0.002
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/3/2011	10:52:22	0.001
10/3/2011	10:53:22	0.001
10/3/2011	10:54:22	0.001
10/3/2011	10:55:22	0.001
10/3/2011	10:56:22	0.001
10/3/2011	10:57:22	0.001
10/3/2011	10:58:22	0.001
10/3/2011	10:59:22	0.001
10/3/2011	11:00:22	0.001
10/3/2011	11:01:22	0.001
10/3/2011	11:02:22	0.001
10/3/2011	11:03:22	0.002
10/3/2011	11:04:22	0.000
10/3/2011	11:05:22	0.000
10/3/2011	11:06:22	0.001
10/3/2011	11:07:22	0.001
10/3/2011	11:08:22	0.000
10/3/2011	11:09:22	0.001
10/3/2011	11:10:22	0.001
10/3/2011	11:11:22	0.000
10/3/2011	11:12:22	0.000
10/3/2011	11:13:22	0.001
10/3/2011	11:14:22	0.001
10/3/2011	11:15:22	0.001
10/3/2011	11:16:22	0.001
10/3/2011	11:17:22	0.001
10/3/2011	11:18:22	0.000
10/3/2011	11:19:22	0.001
10/3/2011	11:20:22	0.000
10/3/2011	11:21:22	0.000
10/3/2011	11:22:22	0.001

Location:		**Downwind Dust**
Date of Monitoring		**10/3/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 009	Log Interval (mm:ss)	1:00
Data Points: 305	Calibration Date:	10/2/2011
Statistics	Maximum:	0.068
	Average:	0.002
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/3/2011	11:23:22	0.000
10/3/2011	11:24:22	0.000
10/3/2011	11:25:22	0.000
10/3/2011	11:26:22	0.001
10/3/2011	11:27:22	0.001
10/3/2011	11:28:22	0.000
10/3/2011	11:29:22	0.001
10/3/2011	11:30:22	0.000
10/3/2011	11:31:22	0.000
10/3/2011	11:32:22	0.001
10/3/2011	11:33:22	0.000
10/3/2011	11:34:22	0.001
10/3/2011	11:35:22	0.000
10/3/2011	11:36:22	0.000
10/3/2011	11:37:22	0.000
10/3/2011	11:38:22	0.000
10/3/2011	11:39:22	0.001
10/3/2011	11:40:22	0.000
10/3/2011	11:41:22	0.068
10/3/2011	11:42:22	0.030
10/3/2011	11:43:22	0.000
10/3/2011	11:44:22	0.003
10/3/2011	11:45:22	0.001
10/3/2011	11:46:22	0.001
10/3/2011	11:47:22	0.001
10/3/2011	11:48:22	0.004
10/3/2011	11:49:22	0.001
10/3/2011	11:50:22	0.001
10/3/2011	11:51:22	0.001
10/3/2011	11:52:22	0.002
10/3/2011	11:53:22	0.001

Location:		**Downwind Dust**
Date of Monitoring		**10/3/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 009	Log Interval (mm:ss)	1:00
Data Points: 305	Calibration Date:	10/2/2011
Statistics	Maximum:	0.068
	Average:	0.002
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/3/2011	11:54:22	0.001
10/3/2011	11:55:22	0.001
10/3/2011	11:56:22	0.001
10/3/2011	11:57:22	0.001
10/3/2011	11:58:22	0.001
10/3/2011	11:59:22	0.001
10/3/2011	12:00:22	0.001
10/3/2011	12:01:22	0.001
10/3/2011	12:02:22	0.001
10/3/2011	12:03:22	0.001
10/3/2011	12:04:22	0.001
10/3/2011	12:05:22	0.000
10/3/2011	12:06:22	0.000
10/3/2011	12:07:22	0.001
10/3/2011	12:08:22	0.002
10/3/2011	12:09:22	0.001
10/3/2011	12:10:22	0.001
10/3/2011	12:11:22	0.001
10/3/2011	12:12:22	0.001
10/3/2011	12:13:22	0.002
10/3/2011	12:14:22	0.001
10/3/2011	12:15:22	0.001
10/3/2011	12:16:22	0.002
10/3/2011	12:17:22	0.002
10/3/2011	12:18:22	0.001
10/3/2011	12:19:22	0.001
10/3/2011	12:20:22	0.001
10/3/2011	12:21:22	0.001
10/3/2011	12:22:22	0.001
10/3/2011	12:23:22	0.002
10/3/2011	12:24:22	0.001

Location:		**Downwind Dust**
Date of Monitoring		**10/3/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 009	Log Interval (mm:ss)	1:00
Data Points: 305	Calibration Date:	10/2/2011
Statistics	Maximum:	0.068
	Average:	0.002
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/3/2011	12:25:22	0.001
10/3/2011	12:26:22	0.001
10/3/2011	12:27:22	0.001
10/3/2011	12:28:22	0.004
10/3/2011	12:29:22	0.001
10/3/2011	12:30:22	0.001
10/3/2011	12:31:22	0.001
10/3/2011	12:32:22	0.001
10/3/2011	12:33:22	0.001
10/3/2011	12:34:22	0.001
10/3/2011	12:35:22	0.001
10/3/2011	12:36:22	0.001
10/3/2011	12:37:22	0.002
10/3/2011	12:38:22	0.001
10/3/2011	12:39:22	0.002
10/3/2011	12:40:22	0.002
10/3/2011	12:41:22	0.001
10/3/2011	12:42:22	0.002
10/3/2011	12:43:22	0.002
10/3/2011	12:44:22	0.002
10/3/2011	12:45:22	0.003
10/3/2011	12:46:22	0.002
10/3/2011	12:47:22	0.003
10/3/2011	12:48:22	0.003
10/3/2011	12:49:22	0.003
10/3/2011	12:50:22	0.002
10/3/2011	12:51:22	0.002
10/3/2011	12:52:22	0.003
10/3/2011	12:53:22	0.002
10/3/2011	12:54:22	0.002
10/3/2011	12:55:22	0.001

Location:		**Downwind Dust**
Date of Monitoring		**10/3/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 009	Log Interval (mm:ss)	1:00
Data Points: 305	Calibration Date:	10/2/2011
Statistics	Maximum:	0.068
	Average:	0.002
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/3/2011	12:56:22	0.001
10/3/2011	12:57:22	0.002
10/3/2011	12:58:22	0.002
10/3/2011	12:59:22	0.002
10/3/2011	13:00:22	0.001
10/3/2011	13:01:22	0.001
10/3/2011	13:02:22	0.001
10/3/2011	13:03:22	0.001
10/3/2011	13:04:22	0.001
10/3/2011	13:05:22	0.001
10/3/2011	13:06:22	0.002
10/3/2011	13:07:22	0.001
10/3/2011	13:08:22	0.001
10/3/2011	13:09:22	0.002
10/3/2011	13:10:22	0.001
10/3/2011	13:11:22	0.002
10/3/2011	13:12:22	0.002
10/3/2011	13:13:22	0.002
10/3/2011	13:14:22	0.003
10/3/2011	13:15:22	0.005
10/3/2011	13:16:22	0.005
10/3/2011	13:17:22	0.006
10/3/2011	13:18:22	0.006
10/3/2011	13:19:22	0.006
10/3/2011	13:20:22	0.005
10/3/2011	13:21:22	0.004
10/3/2011	13:22:22	0.005
10/3/2011	13:23:22	0.006
10/3/2011	13:24:22	0.006
10/3/2011	13:25:22	0.007
10/3/2011	13:26:22	0.006

Location:		**Downwind Dust**
Date of Monitoring		**10/3/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 009	Log Interval (mm:ss)	1:00
Data Points: 305	Calibration Date:	10/2/2011
Statistics	Maximum:	0.068
	Average:	0.002
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/3/2011	13:27:22	0.005
10/3/2011	13:28:22	0.005
10/3/2011	13:29:22	0.005
10/3/2011	13:30:22	0.006
10/3/2011	13:31:22	0.005
10/3/2011	13:32:22	0.005
10/3/2011	13:33:22	0.005
10/3/2011	13:34:22	0.006
10/3/2011	13:35:22	0.003
10/3/2011	13:36:22	0.005
10/3/2011	13:37:22	0.006
10/3/2011	13:38:22	0.005
10/3/2011	13:39:22	0.005
10/3/2011	13:40:22	0.004
10/3/2011	13:41:22	0.004
10/3/2011	13:42:22	0.005
10/3/2011	13:43:22	0.005
10/3/2011	13:44:22	0.006
10/3/2011	13:45:22	0.006
10/3/2011	13:46:22	0.004
10/3/2011	13:47:22	0.003
10/3/2011	13:48:22	0.003
10/3/2011	13:49:22	0.004
10/3/2011	13:50:22	0.003
10/3/2011	13:51:22	0.003
10/3/2011	13:52:22	0.002
10/3/2011	13:53:22	0.002
10/3/2011	13:54:22	0.003
10/3/2011	13:55:22	0.003
10/3/2011	13:56:22	0.003
10/3/2011	13:57:22	0.003

Location:		**Downwind Dust**
Date of Monitoring		**10/3/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 009	Log Interval (mm:ss)	1:00
Data Points: 305	Calibration Date:	10/2/2011
Statistics	Maximum:	0.068
	Average:	0.002
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/3/2011	13:58:22	0.003
10/3/2011	13:59:22	0.001
10/3/2011	14:00:22	0.002
10/3/2011	14:01:22	0.002
10/3/2011	14:02:22	0.003
10/3/2011	14:03:22	0.003
10/3/2011	14:04:22	0.002
10/3/2011	14:05:22	0.002
10/3/2011	14:06:22	0.002
10/3/2011	14:07:22	0.003
10/3/2011	14:08:22	0.002
10/3/2011	14:09:22	0.002
10/3/2011	14:10:22	0.002
10/3/2011	14:11:22	0.002
10/3/2011	14:12:22	0.003
10/3/2011	14:13:22	0.002
10/3/2011	14:14:22	0.003
10/3/2011	14:15:22	0.003
10/3/2011	14:16:22	0.003
10/3/2011	14:17:22	0.003
10/3/2011	14:18:22	0.003
10/3/2011	14:19:22	0.003
10/3/2011	14:20:22	0.003
10/3/2011	14:21:22	0.004
10/3/2011	14:22:22	0.004
10/3/2011	14:23:22	0.004
10/3/2011	14:24:22	0.003
10/3/2011	14:25:22	0.003
10/3/2011	14:26:22	0.003
10/3/2011	14:27:22	0.003
10/3/2011	14:28:22	0.003

Location:		**Downwind Dust**
Date of Monitoring		**10/3/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 009	Log Interval (mm:ss)	1:00
Data Points: 305	Calibration Date:	10/2/2011
Statistics	Maximum:	0.068
	Average:	0.002
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/3/2011	14:29:22	0.003
10/3/2011	14:30:22	0.003
10/3/2011	14:31:22	0.003
10/3/2011	14:32:22	0.003
10/3/2011	14:33:22	0.003
10/3/2011	14:34:22	0.003
10/3/2011	14:35:22	0.003
10/3/2011	14:36:22	0.003
10/3/2011	14:37:22	0.003
10/3/2011	14:38:22	0.003
10/3/2011	14:39:22	0.003
10/3/2011	14:40:22	0.002
10/3/2011	14:41:22	0.002
10/3/2011	14:42:22	0.003
10/3/2011	14:43:22	0.002
10/3/2011	14:44:22	0.002
10/3/2011	14:45:22	0.002
10/3/2011	14:46:22	0.002
10/3/2011	14:47:22	0.002
10/3/2011	14:48:22	0.003
10/3/2011	14:49:22	0.003
10/3/2011	14:50:22	0.003
10/3/2011	14:51:22	0.003
10/3/2011	14:52:22	0.003
10/3/2011	14:53:22	0.003
10/3/2011	14:54:22	0.003

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	7:34:13	0.011
10/4/2011	7:35:13	0.011
10/4/2011	7:36:13	0.012
10/4/2011	7:37:13	0.011
10/4/2011	7:38:13	0.011
10/4/2011	7:39:13	0.012
10/4/2011	7:40:13	0.011
10/4/2011	7:41:13	0.011
10/4/2011	7:42:13	0.011
10/4/2011	7:43:13	0.012
10/4/2011	7:44:13	0.012
10/4/2011	7:45:13	0.012
10/4/2011	7:46:13	0.011
10/4/2011	7:47:13	0.012
10/4/2011	7:48:13	0.012
10/4/2011	7:49:13	0.011
10/4/2011	7:50:13	0.012
10/4/2011	7:51:13	0.012
10/4/2011	7:52:13	0.011
10/4/2011	7:53:13	0.011
10/4/2011	7:54:13	0.011
10/4/2011	7:55:13	0.011
10/4/2011	7:56:13	0.011
10/4/2011	7:57:13	0.012
10/4/2011	7:58:13	0.011
10/4/2011	7:59:13	0.011
10/4/2011	8:00:13	0.012
10/4/2011	8:01:13	0.012
10/4/2011	8:02:13	0.012
10/4/2011	8:03:13	0.012
10/4/2011	8:04:13	0.012

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	8:05:13	0.013
10/4/2011	8:06:13	0.012
10/4/2011	8:07:13	0.013
10/4/2011	8:08:13	0.012
10/4/2011	8:09:13	0.012
10/4/2011	8:10:13	0.013
10/4/2011	8:11:13	0.013
10/4/2011	8:12:13	0.014
10/4/2011	8:13:13	0.013
10/4/2011	8:14:13	0.014
10/4/2011	8:15:13	0.014
10/4/2011	8:16:13	0.014
10/4/2011	8:17:13	0.014
10/4/2011	8:18:13	0.014
10/4/2011	8:19:13	0.014
10/4/2011	8:20:13	0.014
10/4/2011	8:21:13	0.014
10/4/2011	8:22:13	0.014
10/4/2011	8:23:13	0.013
10/4/2011	8:24:13	0.013
10/4/2011	8:25:13	0.013
10/4/2011	8:26:13	0.013
10/4/2011	8:27:13	0.014
10/4/2011	8:28:13	0.013
10/4/2011	8:29:13	0.013
10/4/2011	8:30:13	0.013
10/4/2011	8:31:13	0.013
10/4/2011	8:32:13	0.013
10/4/2011	8:33:13	0.013
10/4/2011	8:34:13	0.013
10/4/2011	8:35:13	0.013

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	8:36:13	0.013
10/4/2011	8:37:13	0.013
10/4/2011	8:38:13	0.014
10/4/2011	8:39:13	0.013
10/4/2011	8:40:13	0.014
10/4/2011	8:41:13	0.013
10/4/2011	8:42:13	0.014
10/4/2011	8:43:13	0.013
10/4/2011	8:44:13	0.013
10/4/2011	8:45:13	0.013
10/4/2011	8:46:13	0.013
10/4/2011	8:47:13	0.014
10/4/2011	8:48:13	0.014
10/4/2011	8:49:13	0.014
10/4/2011	8:50:13	0.014
10/4/2011	8:51:13	0.013
10/4/2011	8:52:13	0.013
10/4/2011	8:53:13	0.014
10/4/2011	8:54:13	0.015
10/4/2011	8:55:13	0.014
10/4/2011	8:56:13	0.014
10/4/2011	8:57:13	0.014
10/4/2011	8:58:13	0.014
10/4/2011	8:59:13	0.016
10/4/2011	9:00:13	0.014
10/4/2011	9:01:13	0.014
10/4/2011	9:02:13	0.013
10/4/2011	9:03:13	0.014
10/4/2011	9:04:13	0.014
10/4/2011	9:05:13	0.014
10/4/2011	9:06:13	0.014

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	9:07:13	0.015
10/4/2011	9:08:13	0.014
10/4/2011	9:09:13	0.015
10/4/2011	9:10:13	0.013
10/4/2011	9:11:13	0.014
10/4/2011	9:12:13	0.014
10/4/2011	9:13:13	0.015
10/4/2011	9:14:13	0.014
10/4/2011	9:15:13	0.017
10/4/2011	9:16:13	0.014
10/4/2011	9:17:13	0.014
10/4/2011	9:18:13	0.014
10/4/2011	9:19:13	0.014
10/4/2011	9:20:13	0.014
10/4/2011	9:21:13	0.014
10/4/2011	9:22:13	0.013
10/4/2011	9:23:13	0.013
10/4/2011	9:24:13	0.013
10/4/2011	9:25:13	0.012
10/4/2011	9:26:13	0.012
10/4/2011	9:27:13	0.012
10/4/2011	9:28:13	0.012
10/4/2011	9:29:13	0.012
10/4/2011	9:30:13	0.014
10/4/2011	9:31:13	0.011
10/4/2011	9:32:13	0.011
10/4/2011	9:33:13	0.012
10/4/2011	9:34:13	0.013
10/4/2011	9:35:13	0.013
10/4/2011	9:36:13	0.013
10/4/2011	9:37:13	0.013

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	9:38:13	0.013
10/4/2011	9:39:13	0.013
10/4/2011	9:40:13	0.013
10/4/2011	9:41:13	0.013
10/4/2011	9:42:13	0.013
10/4/2011	9:43:13	0.013
10/4/2011	9:44:13	0.013
10/4/2011	9:45:13	0.013
10/4/2011	9:46:13	0.013
10/4/2011	9:47:13	0.014
10/4/2011	9:48:13	0.016
10/4/2011	9:49:13	0.014
10/4/2011	9:50:13	0.013
10/4/2011	9:51:13	0.014
10/4/2011	9:52:13	0.032
10/4/2011	9:53:13	0.019
10/4/2011	9:54:13	0.014
10/4/2011	9:55:13	0.014
10/4/2011	9:56:13	0.015
10/4/2011	9:57:13	0.015
10/4/2011	9:58:13	0.015
10/4/2011	9:59:13	0.014
10/4/2011	10:00:13	0.015
10/4/2011	10:01:13	0.015
10/4/2011	10:02:13	0.016
10/4/2011	10:03:13	0.016
10/4/2011	10:04:13	0.016
10/4/2011	10:05:13	0.015
10/4/2011	10:06:13	0.015
10/4/2011	10:07:13	0.014
10/4/2011	10:08:13	0.014

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	10:09:13	0.014
10/4/2011	10:10:13	0.014
10/4/2011	10:11:13	0.013
10/4/2011	10:12:13	0.012
10/4/2011	10:13:13	0.013
10/4/2011	10:14:13	0.013
10/4/2011	10:15:13	0.013
10/4/2011	10:16:13	0.014
10/4/2011	10:17:13	0.014
10/4/2011	10:18:13	0.014
10/4/2011	10:19:13	0.014
10/4/2011	10:20:13	0.015
10/4/2011	10:21:13	0.014
10/4/2011	10:22:13	0.014
10/4/2011	10:23:13	0.028
10/4/2011	10:24:13	0.018
10/4/2011	10:25:13	0.017
10/4/2011	10:26:13	0.017
10/4/2011	10:27:13	0.016
10/4/2011	10:28:13	0.016
10/4/2011	10:29:13	0.016
10/4/2011	10:30:13	0.017
10/4/2011	10:31:13	0.018
10/4/2011	10:32:13	0.017
10/4/2011	10:33:13	0.021
10/4/2011	10:34:13	0.017
10/4/2011	10:35:13	0.018
10/4/2011	10:36:13	0.016
10/4/2011	10:37:13	0.021
10/4/2011	10:38:13	0.016
10/4/2011	10:39:13	0.016

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	10:40:13	0.015
10/4/2011	10:41:13	0.015
10/4/2011	10:42:13	0.015
10/4/2011	10:43:13	0.015
10/4/2011	10:44:13	0.014
10/4/2011	10:45:13	0.013
10/4/2011	10:46:13	0.012
10/4/2011	10:47:13	0.015
10/4/2011	10:48:13	0.012
10/4/2011	10:49:13	0.012
10/4/2011	10:50:13	0.011
10/4/2011	10:51:13	0.011
10/4/2011	10:52:13	0.011
10/4/2011	10:53:13	0.014
10/4/2011	10:54:13	0.013
10/4/2011	10:55:13	0.011
10/4/2011	10:56:13	0.015
10/4/2011	10:57:13	0.019
10/4/2011	10:58:13	0.015
10/4/2011	10:59:13	0.012
10/4/2011	11:00:13	0.015
10/4/2011	11:01:13	0.019
10/4/2011	11:02:13	0.013
10/4/2011	11:03:13	0.030
10/4/2011	11:04:13	0.014
10/4/2011	11:05:13	0.012
10/4/2011	11:06:13	0.012
10/4/2011	11:07:13	0.011
10/4/2011	11:08:13	0.011
10/4/2011	11:09:13	0.011
10/4/2011	11:10:13	0.014

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	11:11:13	0.013
10/4/2011	11:12:13	0.014
10/4/2011	11:13:13	0.012
10/4/2011	11:14:13	0.013
10/4/2011	11:15:13	0.010
10/4/2011	11:16:13	0.010
10/4/2011	11:17:13	0.011
10/4/2011	11:18:13	0.011
10/4/2011	11:19:13	0.012
10/4/2011	11:20:13	0.010
10/4/2011	11:21:13	0.008
10/4/2011	11:22:13	0.009
10/4/2011	11:23:13	0.009
10/4/2011	11:24:13	0.009
10/4/2011	11:25:13	0.009
10/4/2011	11:26:13	0.009
10/4/2011	11:27:13	0.009
10/4/2011	11:28:13	0.009
10/4/2011	11:29:13	0.008
10/4/2011	11:30:13	0.008
10/4/2011	11:31:13	0.011
10/4/2011	11:32:13	0.008
10/4/2011	11:33:13	0.006
10/4/2011	11:34:13	0.006
10/4/2011	11:35:13	0.006
10/4/2011	11:36:13	0.007
10/4/2011	11:37:13	0.007
10/4/2011	11:38:13	0.006
10/4/2011	11:39:13	0.006
10/4/2011	11:40:13	0.007
10/4/2011	11:41:13	0.006

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	11:42:13	0.006
10/4/2011	11:43:13	0.007
10/4/2011	11:44:13	0.006
10/4/2011	11:45:13	0.006
10/4/2011	11:46:13	0.006
10/4/2011	11:47:13	0.007
10/4/2011	11:48:13	0.006
10/4/2011	11:49:13	0.007
10/4/2011	11:50:13	0.007
10/4/2011	11:51:13	0.008
10/4/2011	11:52:13	0.008
10/4/2011	11:53:13	0.007
10/4/2011	11:54:13	0.007
10/4/2011	11:55:13	0.006
10/4/2011	11:56:13	0.007
10/4/2011	11:57:13	0.007
10/4/2011	11:58:13	0.005
10/4/2011	11:59:13	0.005
10/4/2011	12:00:13	0.006
10/4/2011	12:01:13	0.006
10/4/2011	12:02:13	0.006
10/4/2011	12:03:13	0.009
10/4/2011	12:04:13	0.007
10/4/2011	12:05:13	0.006
10/4/2011	12:06:13	0.007
10/4/2011	12:07:13	0.007
10/4/2011	12:08:13	0.016
10/4/2011	12:09:13	0.008
10/4/2011	12:10:13	0.010
10/4/2011	12:11:13	0.009
10/4/2011	12:12:13	0.010

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	12:13:13	0.006
10/4/2011	12:14:13	0.006
10/4/2011	12:15:13	0.005
10/4/2011	12:16:13	0.005
10/4/2011	12:17:13	0.005
10/4/2011	12:18:13	0.005
10/4/2011	12:19:13	0.008
10/4/2011	12:20:13	0.005
10/4/2011	12:21:13	0.006
10/4/2011	12:22:13	0.007
10/4/2011	12:23:13	0.006
10/4/2011	12:24:13	0.006
10/4/2011	12:25:13	0.006
10/4/2011	12:26:13	0.007
10/4/2011	12:27:13	0.006
10/4/2011	12:28:13	0.007
10/4/2011	12:29:13	0.011
10/4/2011	12:30:13	0.008
10/4/2011	12:31:13	0.011
10/4/2011	12:32:13	0.006
10/4/2011	12:33:13	0.008
10/4/2011	12:34:13	0.007
10/4/2011	12:35:13	0.007
10/4/2011	12:36:13	0.006
10/4/2011	12:37:13	0.007
10/4/2011	12:38:13	0.006
10/4/2011	12:39:13	0.006
10/4/2011	12:40:13	0.006
10/4/2011	12:41:13	0.005
10/4/2011	12:42:13	0.006
10/4/2011	12:43:13	0.006

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	12:44:13	0.007
10/4/2011	12:45:13	0.006
10/4/2011	12:46:13	0.006
10/4/2011	12:47:13	0.006
10/4/2011	12:48:13	0.006
10/4/2011	12:49:13	0.007
10/4/2011	12:50:13	0.006
10/4/2011	12:51:13	0.007
10/4/2011	12:52:13	0.006
10/4/2011	12:53:13	0.005
10/4/2011	12:54:13	0.005
10/4/2011	12:55:13	0.004
10/4/2011	12:56:13	0.004
10/4/2011	12:57:13	0.003
10/4/2011	12:58:13	0.003
10/4/2011	12:59:13	0.004
10/4/2011	13:00:13	0.005
10/4/2011	13:01:13	0.004
10/4/2011	13:02:13	0.005
10/4/2011	13:03:13	0.006
10/4/2011	13:04:13	0.006
10/4/2011	13:05:13	0.007
10/4/2011	13:06:13	0.009
10/4/2011	13:07:13	0.006
10/4/2011	13:08:13	0.008
10/4/2011	13:09:13	0.008
10/4/2011	13:10:13	0.009
10/4/2011	13:11:13	0.010
10/4/2011	13:12:13	0.008
10/4/2011	13:13:13	0.007
10/4/2011	13:14:13	0.010

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	13:15:13	0.011
10/4/2011	13:16:13	0.007
10/4/2011	13:17:13	0.009
10/4/2011	13:18:13	0.007
10/4/2011	13:19:13	0.011
10/4/2011	13:20:13	0.008
10/4/2011	13:21:13	0.008
10/4/2011	13:22:13	0.009
10/4/2011	13:23:13	0.008
10/4/2011	13:24:13	0.007
10/4/2011	13:25:13	0.007
10/4/2011	13:26:13	0.008
10/4/2011	13:27:13	0.007
10/4/2011	13:28:13	0.007
10/4/2011	13:29:13	0.006
10/4/2011	13:30:13	0.009
10/4/2011	13:31:13	0.008
10/4/2011	13:32:13	0.007
10/4/2011	13:33:13	0.007
10/4/2011	13:34:13	0.011
10/4/2011	13:35:13	0.011
10/4/2011	13:36:13	0.008
10/4/2011	13:37:13	0.011
10/4/2011	13:38:13	0.007
10/4/2011	13:39:13	0.005
10/4/2011	13:40:13	0.005
10/4/2011	13:41:13	0.005
10/4/2011	13:42:13	0.005
10/4/2011	13:43:13	0.005
10/4/2011	13:44:13	0.007
10/4/2011	13:45:13	0.008

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	13:46:13	0.006
10/4/2011	13:47:13	0.006
10/4/2011	13:48:13	0.004
10/4/2011	13:49:13	0.007
10/4/2011	13:50:13	0.004
10/4/2011	13:51:13	0.007
10/4/2011	13:52:13	0.000
10/4/2011	13:53:13	0.000
10/4/2011	13:54:13	0.002
10/4/2011	13:55:13	0.001
10/4/2011	13:56:13	0.000
10/4/2011	13:57:13	0.000
10/4/2011	13:58:13	0.000
10/4/2011	13:59:13	0.000
10/4/2011	14:00:13	0.000
10/4/2011	14:01:13	0.000
10/4/2011	14:02:13	0.000
10/4/2011	14:03:13	0.002
10/4/2011	14:04:13	0.000
10/4/2011	14:05:13	0.001
10/4/2011	14:06:13	0.000
10/4/2011	14:07:13	0.000
10/4/2011	14:08:13	0.000
10/4/2011	14:09:13	0.000
10/4/2011	14:10:13	0.000
10/4/2011	14:11:13	0.000
10/4/2011	14:12:13	0.000
10/4/2011	14:13:13	0.000
10/4/2011	14:14:13	0.000
10/4/2011	14:15:13	0.000
10/4/2011	14:16:13	0.000

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	14:17:13	0.000
10/4/2011	14:18:13	0.001
10/4/2011	14:19:13	0.001
10/4/2011	14:20:13	0.000
10/4/2011	14:21:13	0.000
10/4/2011	14:22:13	0.000
10/4/2011	14:23:13	0.000
10/4/2011	14:24:13	0.000
10/4/2011	14:25:13	0.000
10/4/2011	14:26:13	0.001
10/4/2011	14:27:13	0.000
10/4/2011	14:28:13	0.000
10/4/2011	14:29:13	0.000
10/4/2011	14:30:13	0.003
10/4/2011	14:31:13	0.001
10/4/2011	14:32:13	0.001
10/4/2011	14:33:13	0.000
10/4/2011	14:34:13	0.001
10/4/2011	14:35:13	0.000
10/4/2011	14:36:13	0.000
10/4/2011	14:37:13	0.000
10/4/2011	14:38:13	0.003
10/4/2011	14:39:13	0.002
10/4/2011	14:40:13	0.001
10/4/2011	14:41:13	0.000
10/4/2011	14:42:13	0.000
10/4/2011	14:43:13	0.000
10/4/2011	14:44:13	0.005
10/4/2011	14:45:13	0.003
10/4/2011	14:46:13	0.000
10/4/2011	14:47:13	0.000

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	14:48:13	0.000
10/4/2011	14:49:13	0.000
10/4/2011	14:50:13	0.010
10/4/2011	14:51:13	0.002
10/4/2011	14:52:13	0.002
10/4/2011	14:53:13	0.000
10/4/2011	14:54:13	0.000
10/4/2011	14:55:13	0.002
10/4/2011	14:56:13	0.003
10/4/2011	14:57:13	0.003
10/4/2011	14:58:13	0.006
10/4/2011	14:59:13	0.005
10/4/2011	15:00:13	0.004
10/4/2011	15:01:13	0.003
10/4/2011	15:02:13	0.001
10/4/2011	15:03:13	0.001
10/4/2011	15:04:13	0.003
10/4/2011	15:05:13	0.001
10/4/2011	15:06:13	0.002
10/4/2011	15:07:13	0.001
10/4/2011	15:08:13	0.001
10/4/2011	15:09:13	0.002
10/4/2011	15:10:13	0.001
10/4/2011	15:11:13	0.001
10/4/2011	15:12:13	0.008
10/4/2011	15:13:13	0.001
10/4/2011	15:14:13	0.004
10/4/2011	15:15:13	0.001
10/4/2011	15:16:13	0.000
10/4/2011	15:17:13	0.000
10/4/2011	15:18:13	0.001

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	15:19:13	0.000
10/4/2011	15:20:13	0.001
10/4/2011	15:21:13	0.001
10/4/2011	15:22:13	0.000
10/4/2011	15:23:13	0.000
10/4/2011	15:24:13	0.000
10/4/2011	15:25:13	0.000
10/4/2011	15:26:13	0.000
10/4/2011	15:27:13	0.000
10/4/2011	15:28:13	0.000
10/4/2011	15:29:13	0.000
10/4/2011	15:30:13	0.001
10/4/2011	15:31:13	0.001
10/4/2011	15:32:13	0.000
10/4/2011	15:33:13	0.000
10/4/2011	15:34:13	0.001
10/4/2011	15:35:13	0.001
10/4/2011	15:36:13	0.000
10/4/2011	15:37:13	0.001
10/4/2011	15:38:13	0.000
10/4/2011	15:39:13	0.000
10/4/2011	15:40:13	0.000
10/4/2011	15:41:13	0.000
10/4/2011	15:42:13	0.000
10/4/2011	15:43:13	0.000
10/4/2011	15:44:13	0.000
10/4/2011	15:45:13	0.000
10/4/2011	15:46:13	0.000
10/4/2011	15:47:13	0.006
10/4/2011	15:48:13	0.003
10/4/2011	15:49:13	0.000

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	15:50:13	0.001
10/4/2011	15:51:13	0.000
10/4/2011	15:52:13	0.000
10/4/2011	15:53:13	0.001
10/4/2011	15:54:13	0.000
10/4/2011	15:55:13	0.000
10/4/2011	15:56:13	0.000
10/4/2011	15:57:13	0.000
10/4/2011	15:58:13	0.000
10/4/2011	15:59:13	0.000
10/4/2011	16:00:13	0.000
10/4/2011	16:01:13	0.000
10/4/2011	16:02:13	0.000
10/4/2011	16:03:13	0.000
10/4/2011	16:04:13	0.001
10/4/2011	16:05:13	0.000
10/4/2011	16:06:13	0.000
10/4/2011	16:07:13	0.000
10/4/2011	16:08:13	0.002
10/4/2011	16:09:13	0.001
10/4/2011	16:10:13	0.000
10/4/2011	16:11:13	0.000
10/4/2011	16:12:13	0.000
10/4/2011	16:13:13	0.000
10/4/2011	16:14:13	0.000
10/4/2011	16:15:13	0.000
10/4/2011	16:16:13	0.001
10/4/2011	16:17:13	0.000
10/4/2011	16:18:13	0.001
10/4/2011	16:19:13	0.000
10/4/2011	16:20:13	0.000

Location:		**Downwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 010	Log Interval (mm:ss)	1:00
Data Points: 531	Calibration Date:	5/17/2011
Statistics	Maximum:	0.032
	Average:	0.008
	Minimum:	0.000
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	16:21:13	0.001
10/4/2011	16:22:13	0.000
10/4/2011	16:23:13	0.001
10/4/2011	16:24:13	0.001

Location:		**Downwind Dust**
Date of Monitoring		**10/5/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 011	Log Interval (mm:ss)	1:00
Data Points: 312	Calibration Date:	5/17/2011
Statistics	Maximum:	0.012
	Average:	0.001
	Minimum:	-0.004
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/5/2011	7:26:01	0.004
10/5/2011	7:27:01	0.004
10/5/2011	7:28:01	0.004
10/5/2011	7:29:01	0.003
10/5/2011	7:30:01	0.002
10/5/2011	7:31:01	0.004
10/5/2011	7:32:01	0.002
10/5/2011	7:33:01	0.003
10/5/2011	7:34:01	0.002
10/5/2011	7:35:01	0.003
10/5/2011	7:36:01	0.003
10/5/2011	7:37:01	0.004
10/5/2011	7:38:01	0.003
10/5/2011	7:39:01	0.002
10/5/2011	7:40:01	0.003
10/5/2011	7:41:01	0.003
10/5/2011	7:42:01	0.002
10/5/2011	7:43:01	0.003
10/5/2011	7:44:01	0.003
10/5/2011	7:45:01	0.003
10/5/2011	7:46:01	0.003
10/5/2011	7:47:01	0.003
10/5/2011	7:48:01	0.004
10/5/2011	7:49:01	0.002
10/5/2011	7:50:01	0.003
10/5/2011	7:51:01	0.002
10/5/2011	7:52:01	0.002
10/5/2011	7:53:01	0.001
10/5/2011	7:54:01	0.002
10/5/2011	7:55:01	0.002
10/5/2011	7:56:01	0.002

Location:		**Downwind Dust**
Date of Monitoring		**10/5/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 011	Log Interval (mm:ss)	1:00
Data Points: 312	Calibration Date:	5/17/2011
Statistics	Maximum:	0.012
	Average:	0.001
	Minimum:	-0.004
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/5/2011	7:57:01	0.002
10/5/2011	7:58:01	0.003
10/5/2011	7:59:01	0.002
10/5/2011	8:00:01	0.002
10/5/2011	8:01:01	0.002
10/5/2011	8:02:01	0.003
10/5/2011	8:03:01	0.003
10/5/2011	8:04:01	0.003
10/5/2011	8:05:01	0.003
10/5/2011	8:06:01	0.003
10/5/2011	8:07:01	0.004
10/5/2011	8:08:01	0.002
10/5/2011	8:09:01	0.004
10/5/2011	8:10:01	0.003
10/5/2011	8:11:01	0.003
10/5/2011	8:12:01	0.004
10/5/2011	8:13:01	0.003
10/5/2011	8:14:01	0.003
10/5/2011	8:15:01	0.007
10/5/2011	8:16:01	0.006
10/5/2011	8:17:01	0.003
10/5/2011	8:18:01	0.006
10/5/2011	8:19:01	0.007
10/5/2011	8:20:01	0.005
10/5/2011	8:21:01	0.003
10/5/2011	8:22:01	0.004
10/5/2011	8:23:01	0.004
10/5/2011	8:24:01	0.003
10/5/2011	8:25:01	0.003
10/5/2011	8:26:01	0.003
10/5/2011	8:27:01	0.004

Location:		**Downwind Dust**
Date of Monitoring		**10/5/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 011	Log Interval (mm:ss)	1:00
Data Points: 312	Calibration Date:	5/17/2011
Statistics	Maximum:	0.012
	Average:	0.001
	Minimum:	-0.004
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/5/2011	8:28:01	0.003
10/5/2011	8:29:01	0.003
10/5/2011	8:30:01	0.003
10/5/2011	8:31:01	0.001
10/5/2011	8:32:01	0.002
10/5/2011	8:33:01	0.003
10/5/2011	8:34:01	0.002
10/5/2011	8:35:01	0.002
10/5/2011	8:36:01	0.003
10/5/2011	8:37:01	0.002
10/5/2011	8:38:01	0.001
10/5/2011	8:39:01	0.003
10/5/2011	8:40:01	0.003
10/5/2011	8:41:01	0.002
10/5/2011	8:42:01	0.003
10/5/2011	8:43:01	0.003
10/5/2011	8:44:01	0.003
10/5/2011	8:45:01	0.003
10/5/2011	8:46:01	0.003
10/5/2011	8:47:01	0.007
10/5/2011	8:48:01	0.011
10/5/2011	8:49:01	0.009
10/5/2011	8:50:01	0.003
10/5/2011	8:51:01	0.005
10/5/2011	8:52:01	0.006
10/5/2011	8:53:01	0.008
10/5/2011	8:54:01	0.005
10/5/2011	8:55:01	0.005
10/5/2011	8:56:01	0.003
10/5/2011	8:57:01	0.002
10/5/2011	8:58:01	0.002

Location:		**Downwind Dust**
Date of Monitoring		**10/5/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 011	Log Interval (mm:ss)	1:00
Data Points: 312	Calibration Date:	5/17/2011
Statistics	Maximum:	0.012
	Average:	0.001
	Minimum:	-0.004
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/5/2011	8:59:01	0.003
10/5/2011	9:00:01	0.002
10/5/2011	9:01:01	0.001
10/5/2011	9:02:01	0.001
10/5/2011	9:03:01	0.001
10/5/2011	9:04:01	0.002
10/5/2011	9:05:01	0.001
10/5/2011	9:06:01	0.002
10/5/2011	9:07:01	0.002
10/5/2011	9:08:01	0.001
10/5/2011	9:09:01	0.002
10/5/2011	9:10:01	0.002
10/5/2011	9:11:01	0.003
10/5/2011	9:12:01	0.002
10/5/2011	9:13:01	0.007
10/5/2011	9:14:01	0.004
10/5/2011	9:15:01	0.004
10/5/2011	9:16:01	0.004
10/5/2011	9:17:01	0.002
10/5/2011	9:18:01	0.002
10/5/2011	9:19:01	0.003
10/5/2011	9:20:01	0.003
10/5/2011	9:21:01	0.001
10/5/2011	9:22:01	0.002
10/5/2011	9:23:01	0.003
10/5/2011	9:24:01	0.003
10/5/2011	9:25:01	0.002
10/5/2011	9:26:01	0.002
10/5/2011	9:27:01	0.002
10/5/2011	9:28:01	0.002
10/5/2011	9:29:01	0.001

Location:		**Downwind Dust**
Date of Monitoring		**10/5/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 011	Log Interval (mm:ss)	1:00
Data Points: 312	Calibration Date:	5/17/2011
Statistics	Maximum:	0.012
	Average:	0.001
	Minimum:	-0.004
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/5/2011	9:30:01	0.002
10/5/2011	9:31:01	0.001
10/5/2011	9:32:01	0.001
10/5/2011	9:33:01	0.001
10/5/2011	9:34:01	0.001
10/5/2011	9:35:01	0.001
10/5/2011	9:36:01	0.001
10/5/2011	9:37:01	0.002
10/5/2011	9:38:01	0.002
10/5/2011	9:39:01	0.001
10/5/2011	9:40:01	0.001
10/5/2011	9:41:01	0.001
10/5/2011	9:42:01	0.000
10/5/2011	9:43:01	0.002
10/5/2011	9:44:01	0.001
10/5/2011	9:45:01	0.000
10/5/2011	9:46:01	0.000
10/5/2011	9:47:01	0.001
10/5/2011	9:48:01	0.000
10/5/2011	9:49:01	0.001
10/5/2011	9:50:01	0.001
10/5/2011	9:51:01	0.001
10/5/2011	9:52:01	0.000
10/5/2011	9:53:01	0.000
10/5/2011	9:54:01	0.000
10/5/2011	9:55:01	0.000
10/5/2011	9:56:01	0.000
10/5/2011	9:57:01	0.000
10/5/2011	9:58:01	0.000
10/5/2011	9:59:01	0.000
10/5/2011	10:00:01	0.000

Location:		**Downwind Dust**
Date of Monitoring		**10/5/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 011	Log Interval (mm:ss)	1:00
Data Points: 312	Calibration Date:	5/17/2011
Statistics	Maximum:	0.012
	Average:	0.001
	Minimum:	-0.004
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/5/2011	10:01:01	0.000
10/5/2011	10:02:01	0.000
10/5/2011	10:03:01	0.000
10/5/2011	10:04:01	0.000
10/5/2011	10:05:01	0.000
10/5/2011	10:06:01	0.000
10/5/2011	10:07:01	0.000
10/5/2011	10:08:01	0.000
10/5/2011	10:09:01	0.000
10/5/2011	10:10:01	0.000
10/5/2011	10:11:01	0.000
10/5/2011	10:12:01	0.000
10/5/2011	10:13:01	0.000
10/5/2011	10:14:01	0.000
10/5/2011	10:15:01	0.000
10/5/2011	10:16:01	0.000
10/5/2011	10:17:01	0.000
10/5/2011	10:18:01	0.000
10/5/2011	10:19:01	0.012
10/5/2011	10:20:01	0.005
10/5/2011	10:21:01	0.002
10/5/2011	10:22:01	0.000
10/5/2011	10:23:01	0.000
10/5/2011	10:24:01	0.002
10/5/2011	10:25:01	0.000
10/5/2011	10:26:01	0.000
10/5/2011	10:27:01	0.000
10/5/2011	10:28:01	0.000
10/5/2011	10:29:01	0.001
10/5/2011	10:30:01	0.000
10/5/2011	10:31:01	0.000

Location:		**Downwind Dust**
Date of Monitoring		**10/5/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 011	Log Interval (mm:ss)	1:00
Data Points: 312	Calibration Date:	5/17/2011
Statistics	Maximum:	0.012
	Average:	0.001
	Minimum:	-0.004
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/5/2011	10:32:01	0.000
10/5/2011	10:33:01	0.000
10/5/2011	10:34:01	0.000
10/5/2011	10:35:01	0.000
10/5/2011	10:36:01	0.000
10/5/2011	10:37:01	0.000
10/5/2011	10:38:01	0.000
10/5/2011	10:39:01	0.000
10/5/2011	10:40:01	0.000
10/5/2011	10:41:01	0.000
10/5/2011	10:42:01	0.000
10/5/2011	10:43:01	0.000
10/5/2011	10:44:01	0.000
10/5/2011	10:45:01	0.000
10/5/2011	10:46:01	-0.001
10/5/2011	10:47:01	-0.001
10/5/2011	10:48:01	-0.001
10/5/2011	10:49:01	-0.001
10/5/2011	10:50:01	-0.001
10/5/2011	10:51:01	-0.001
10/5/2011	10:52:01	-0.001
10/5/2011	10:53:01	-0.001
10/5/2011	10:54:01	0.000
10/5/2011	10:55:01	-0.001
10/5/2011	10:56:01	0.000
10/5/2011	10:57:01	-0.001
10/5/2011	10:58:01	-0.001
10/5/2011	10:59:01	-0.001
10/5/2011	11:00:01	-0.001
10/5/2011	11:01:01	-0.001
10/5/2011	11:02:01	-0.001

Location:		**Downwind Dust**
Date of Monitoring		**10/5/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 011	Log Interval (mm:ss)	1:00
Data Points: 312	Calibration Date:	5/17/2011
Statistics	Maximum:	0.012
	Average:	0.001
	Minimum:	-0.004
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/5/2011	11:03:01	-0.001
10/5/2011	11:04:01	0.000
10/5/2011	11:05:01	0.000
10/5/2011	11:06:01	-0.001
10/5/2011	11:07:01	0.000
10/5/2011	11:08:01	-0.001
10/5/2011	11:09:01	-0.001
10/5/2011	11:10:01	-0.001
10/5/2011	11:11:01	0.000
10/5/2011	11:12:01	0.000
10/5/2011	11:13:01	-0.001
10/5/2011	11:14:01	0.000
10/5/2011	11:15:01	-0.001
10/5/2011	11:16:01	-0.001
10/5/2011	11:17:01	-0.002
10/5/2011	11:18:01	-0.001
10/5/2011	11:19:01	-0.003
10/5/2011	11:20:01	-0.002
10/5/2011	11:21:01	-0.002
10/5/2011	11:22:01	0.000
10/5/2011	11:23:01	-0.002
10/5/2011	11:24:01	-0.003
10/5/2011	11:25:01	-0.002
10/5/2011	11:26:01	-0.003
10/5/2011	11:27:01	-0.003
10/5/2011	11:28:01	-0.003
10/5/2011	11:29:01	-0.003
10/5/2011	11:30:01	-0.003
10/5/2011	11:31:01	-0.003
10/5/2011	11:32:01	-0.003
10/5/2011	11:33:01	-0.002

Location:		**Downwind Dust**
Date of Monitoring		**10/5/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 011	Log Interval (mm:ss)	1:00
Data Points: 312	Calibration Date:	5/17/2011
Statistics	Maximum:	0.012
	Average:	0.001
	Minimum:	-0.004
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/5/2011	11:34:01	-0.003
10/5/2011	11:35:01	-0.003
10/5/2011	11:36:01	-0.003
10/5/2011	11:37:01	-0.003
10/5/2011	11:38:01	-0.004
10/5/2011	11:39:01	-0.003
10/5/2011	11:40:01	-0.002
10/5/2011	11:41:01	-0.003
10/5/2011	11:42:01	-0.002
10/5/2011	11:43:01	-0.003
10/5/2011	11:44:01	-0.003
10/5/2011	11:45:01	-0.003
10/5/2011	11:46:01	-0.003
10/5/2011	11:47:01	-0.003
10/5/2011	11:48:01	-0.003
10/5/2011	11:49:01	-0.003
10/5/2011	11:50:01	-0.003
10/5/2011	11:51:01	-0.002
10/5/2011	11:52:01	-0.002
10/5/2011	11:53:01	-0.003
10/5/2011	11:54:01	-0.004
10/5/2011	11:55:01	-0.003
10/5/2011	11:56:01	-0.003
10/5/2011	11:57:01	-0.003
10/5/2011	11:58:01	-0.003
10/5/2011	11:59:01	-0.003
10/5/2011	12:00:01	-0.003
10/5/2011	12:01:01	-0.003
10/5/2011	12:02:01	-0.003
10/5/2011	12:03:01	-0.002
10/5/2011	12:04:01	-0.003

Location:		**Downwind Dust**
Date of Monitoring		**10/5/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 011	Log Interval (mm:ss)	1:00
Data Points: 312	Calibration Date:	5/17/2011
Statistics	Maximum:	0.012
	Average:	0.001
	Minimum:	-0.004
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/5/2011	12:05:01	-0.002
10/5/2011	12:06:01	-0.003
10/5/2011	12:07:01	-0.003
10/5/2011	12:08:01	-0.002
10/5/2011	12:09:01	-0.003
10/5/2011	12:10:01	-0.004
10/5/2011	12:11:01	-0.003
10/5/2011	12:12:01	-0.004
10/5/2011	12:13:01	-0.003
10/5/2011	12:14:01	-0.003
10/5/2011	12:15:01	-0.004
10/5/2011	12:16:01	-0.003
10/5/2011	12:17:01	-0.003
10/5/2011	12:18:01	-0.003
10/5/2011	12:19:01	-0.003
10/5/2011	12:20:01	-0.003
10/5/2011	12:21:01	-0.003
10/5/2011	12:22:01	-0.003
10/5/2011	12:23:01	-0.003
10/5/2011	12:24:01	-0.003
10/5/2011	12:25:01	-0.002
10/5/2011	12:26:01	-0.003
10/5/2011	12:27:01	-0.003
10/5/2011	12:28:01	-0.003
10/5/2011	12:29:01	-0.004
10/5/2011	12:30:01	-0.003
10/5/2011	12:31:01	-0.003
10/5/2011	12:32:01	-0.003
10/5/2011	12:33:01	-0.003
10/5/2011	12:34:01	-0.002
10/5/2011	12:35:01	-0.003

Location:		**Downwind Dust**
Date of Monitoring		**10/5/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85200085
Test ID: 011	Log Interval (mm:ss)	1:00
Data Points: 312	Calibration Date:	5/17/2011
Statistics	Maximum:	0.012
	Average:	0.001
	Minimum:	-0.004
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/5/2011	12:36:01	-0.003
10/5/2011	12:37:01	-0.003

ARCADIS

Downwind VOC Monitoring Data

Location:			**Downwind VOC**		
Date of Monitoring			**9/15/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 013337		
User ID: 00000001			Site ID: 00000006		
Data Points: 26		Gas Name: Isobutyl		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:11			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	9/15/2011	8:54	0.0	0.0	0.0
2	9/15/2011	9:09	0.0	0.0	0.0
3	9/15/2011	9:24	0.0	0.0	0.0
4	9/15/2011	9:39	0.0	0.0	0.0
5	9/15/2011	9:54	0.0	0.0	0.0
6	9/15/2011	10:09	0.0	0.0	0.0
7	9/15/2011	10:24	0.0	0.0	0.0
8	9/15/2011	10:39	0.0	0.0	0.0
9	9/15/2011	10:54	0.0	0.0	0.0
10	9/15/2011	11:09	0.0	0.0	0.0
11	9/15/2011	11:24	0.0	0.0	0.0
12	9/15/2011	11:39	0.0	0.0	0.0
13	9/15/2011	11:54	0.0	0.0	0.0
14	9/15/2011	12:09	0.0	0.0	0.0
15	9/15/2011	12:24	0.0	0.0	0.0
16	9/15/2011	12:39	0.0	0.0	0.0
17	9/15/2011	12:54	0.0	0.0	0.0
18	9/15/2011	13:09	0.0	0.0	0.0
19	9/15/2011	13:24	0.0	0.0	0.0
20	9/15/2011	13:39	0.0	0.0	0.0
21	9/15/2011	13:54	0.0	0.0	0.0
22	9/15/2011	14:09	0.0	0.0	0.0
23	9/15/2011	14:24	0.0	0.0	0.0
24	9/15/2011	14:39	0.0	0.0	0.0
25	9/15/2011	14:54	0.0	0.0	0.0
26	9/15/2011	15:09	0.0	0.0	0.0

Location:			**Downwind VOC**		
Date of Monitoring			**9/16/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 005940		
User ID: 00000001			Site ID: 00000009		
Data Points: 23		Gas Name: Isobutylene		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:39			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	9/16/2011	8:25	0.0	0.0	0.0
2	9/16/2011	8:40	0.0	0.0	0.0
3	9/16/2011	8:55	0.0	0.0	0.0
4	9/16/2011	9:10	0.0	0.0	0.0
5	9/16/2011	9:25	0.0	0.0	0.0
6	9/16/2011	9:40	0.0	0.0	0.0
7	9/16/2011	9:55	0.0	0.0	0.0
8	9/16/2011	10:10	0.0	0.0	0.0
9	9/16/2011	10:25	0.0	0.0	0.0
10	9/16/2011	10:40	0.0	0.0	0.0
11	9/16/2011	10:55	0.0	0.0	0.0
12	9/16/2011	11:10	0.0	0.0	0.0
13	9/16/2011	11:25	0.0	0.0	0.0
14	9/16/2011	11:40	0.0	0.0	0.0
15	9/16/2011	11:55	0.0	0.0	0.0
16	9/16/2011	12:10	0.0	0.0	0.0
17	9/16/2011	12:25	0.0	0.0	0.0
18	9/16/2011	12:40	0.0	0.0	0.0
19	9/16/2011	12:55	0.0	0.0	0.0
20	9/16/2011	13:10	0.0	0.0	0.0
21	9/16/2011	13:25	0.0	0.0	0.0
22	9/16/2011	13:40	0.0	0.0	0.0
23	9/16/2011	13:55	0.0	0.0	0.0

Location:			**Downwind VOC**		
Date of Monitoring			**9/19/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 005940		
User ID: 00000001			Site ID: 00000010		
Data Points:13		Gas Name: Isobutylene		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:39			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	9/19/2011	10:58	0.0	0.0	0.0
2	9/19/2011	11:13	0.0	0.0	0.0
3	9/19/2011	11:28	0.0	0.0	0.0
4	9/19/2011	11:43	0.0	0.0	0.0
5	9/19/2011	11:58	0.0	0.0	0.3
6	9/19/2011	12:13	0.0	0.0	1.7
7	9/19/2011	12:28	0.0	0.0	0.0
8	9/19/2011	12:43	0.0	0.0	0.0
9	9/19/2011	12:58	0.0	0.0	0.0
10	9/19/2011	13:13	0.0	0.0	0.0
11	9/19/2011	13:28	0.0	0.0	0.0
12	9/19/2011	13:43	0.0	0.0	0.0
13	9/19/2011	13:58	0.0	0.0	0.0

Location:			**Downwind VOC**		
Date of Monitoring			**9/22/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 013337		
User ID: 00000001			Site ID: 00000011		
Data Points: 18		Gas Name: Isobutyl		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:11			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	9/22/2011	10:24	0.0	0.0	0.0
2	9/22/2011	10:39	0.0	0.0	0.0
3	9/22/2011	10:54	0.0	0.0	0.0
4	9/22/2011	11:09	0.0	0.0	0.0
5	9/22/2011	11:24	0.0	0.0	0.0
6	9/22/2011	11:39	0.0	0.0	0.0
7	9/22/2011	11:54	0.0	0.0	0.0
8	9/22/2011	12:09	0.0	0.0	0.0
9	9/22/2011	12:24	0.0	0.0	0.0
10	9/22/2011	12:39	0.0	0.0	0.0
11	9/22/2011	12:54	0.0	0.0	0.0
12	9/22/2011	13:09	0.0	0.0	0.0
13	9/22/2011	13:24	0.0	0.0	0.0
14	9/22/2011	13:39	0.0	0.0	0.0
15	9/22/2011	13:54	0.0	0.0	0.0
16	9/22/2011	14:09	0.0	0.0	0.0
17	9/22/2011	14:24	0.0	0.0	0.0
18	9/22/2011	14:39	0.0	0.0	0.0

Location:			**Downwind VOC**		
Date of Monitoring			**9/23/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 013337		
User ID: 00000001			Site ID: 00000012		
Data Points: 22		Gas Name: Isobutyl		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:11			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	9/23/2011	7:30	0.0	0.0	0.0
2	9/23/2011	7:45	0.0	0.0	0.0
3	9/23/2011	8:00	0.0	0.0	0.0
4	9/23/2011	8:15	0.0	0.0	0.0
5	9/23/2011	8:30	0.0	0.0	0.0
6	9/23/2011	8:45	0.0	0.0	0.0
7	9/23/2011	9:00	0.0	0.0	0.0
8	9/23/2011	9:15	0.0	0.0	0.0
9	9/23/2011	9:30	0.0	0.0	0.0
10	9/23/2011	9:45	0.0	0.0	0.0
11	9/23/2011	10:00	0.0	0.0	0.0
12	9/23/2011	10:15	0.0	0.0	0.0
13	9/23/2011	10:30	0.0	0.0	0.0
14	9/23/2011	10:45	0.0	0.0	0.0
15	9/23/2011	11:00	0.0	0.0	0.0
16	9/23/2011	11:15	0.0	0.0	0.0
17	9/23/2011	11:30	0.0	0.0	0.0
18	9/23/2011	11:45	0.0	0.0	0.0
19	9/23/2011	12:00	0.0	0.0	0.0
20	9/23/2011	12:15	0.0	0.0	0.0
21	9/23/2011	12:30	0.0	0.0	0.0
22	9/23/2011	12:45	0.0	0.0	0.0

Location:			**Downwind VOC**		
Date of Monitoring			**10/3/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 005940		
User ID: 00000001			Site ID: 00000017		
Data Points: 19		Gas Name: Isobutylene		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:39			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	10/3/2011	9:53	0.0	0.0	0.0
2	10/3/2011	10:08	0.0	0.0	0.0
3	10/3/2011	10:23	0.0	0.0	0.0
4	10/3/2011	10:38	0.0	0.0	0.0
5	10/3/2011	10:53	0.0	0.0	0.0
6	10/3/2011	11:08	0.0	0.0	0.0
7	10/3/2011	11:23	0.0	0.2	11.8
8	10/3/2011	11:38	0.0	0.0	0.0
9	10/3/2011	11:53	0.0	0.0	0.0
10	10/3/2011	12:08	0.0	0.0	0.0
11	10/3/2011	12:23	0.0	0.0	0.0
12	10/3/2011	12:38	0.0	0.0	0.0
13	10/3/2011	12:53	0.0	0.0	0.0
14	10/3/2011	13:08	0.0	0.0	0.0
15	10/3/2011	13:23	0.0	0.0	0.0
16	10/3/2011	13:38	0.0	0.0	0.0
17	10/3/2011	13:53	0.0	0.0	0.0
18	10/3/2011	14:08	0.0	0.0	0.0
19	10/3/2011	14:23	0.0	0.0	0.0

Location:			**Downwind VOC**		
Date of Monitoring			**10/4/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 005940		
User ID: 00000001			Site ID: 00000018		
Data Points: 34		Gas Name: Isobutylene		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:39			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	10/4/2011	7:33	0.0	0.0	0.0
2	10/4/2011	7:48	0.0	0.0	0.0
3	10/4/2011	8:03	0.0	0.0	0.0
4	10/4/2011	8:18	0.0	0.0	0.0
5	10/4/2011	8:33	0.0	0.0	0.0
6	10/4/2011	8:48	0.0	0.0	0.0
7	10/4/2011	9:03	0.0	0.0	0.0
8	10/4/2011	9:18	0.0	0.0	0.0
9	10/4/2011	9:33	0.0	0.0	0.0
10	10/4/2011	9:48	0.0	0.0	0.0
11	10/4/2011	10:03	0.0	0.0	0.0
12	10/4/2011	10:18	0.0	0.0	0.0
13	10/4/2011	10:33	0.0	0.0	0.0
14	10/4/2011	10:48	0.0	0.0	0.0
15	10/4/2011	11:03	0.0	0.0	0.0
16	10/4/2011	11:18	0.0	0.0	0.0
17	10/4/2011	11:33	0.0	0.0	0.0
18	10/4/2011	11:48	0.0	0.0	0.0
19	10/4/2011	12:03	0.0	0.0	0.0
20	10/4/2011	12:18	0.0	0.0	0.0
21	10/4/2011	12:33	0.0	0.0	0.0
22	10/4/2011	12:48	0.0	0.0	0.0
23	10/4/2011	13:03	0.0	0.0	0.0
24	10/4/2011	13:18	0.0	0.0	0.0
25	10/4/2011	13:33	0.0	0.0	0.0
26	10/4/2011	13:48	0.0	0.0	0.0
27	10/4/2011	14:03	0.0	0.0	0.0
28	10/4/2011	14:18	0.0	0.0	0.0
29	10/4/2011	14:33	0.0	0.0	0.0
30	10/4/2011	14:48	0.0	0.0	0.0
31	10/4/2011	15:03	0.0	0.0	0.0
32	10/4/2011	15:18	0.0	0.0	0.0

Location:			**Downwind VOC**		
Date of Monitoring			**10/4/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 005940		
User ID: 00000001			Site ID: 00000018		
Data Points: 34		Gas Name: Isobutylene		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:39			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
33	10/4/2011	15:33	0.0	0.0	0.0
34	10/4/2011	15:48	0.0	0.0	0.0

Location:			**Downwind VOC**		
Date of Monitoring			**10/5/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 013337		
User ID: 00000001			Site ID: 00000017		
Data Points: 19		Gas Name: Isobutyl		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:11			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	10/5/2011	7:29	0.0	0.0	0.0
2	10/5/2011	7:44	0.0	0.0	0.0
3	10/5/2011	7:59	0.0	0.0	0.0
4	10/5/2011	8:14	0.0	0.0	0.0
5	10/5/2011	8:29	0.0	0.0	0.0
6	10/5/2011	8:44	0.0	0.0	0.0
7	10/5/2011	8:59	0.0	0.0	0.0
8	10/5/2011	9:14	0.0	0.0	0.0
9	10/5/2011	9:29	0.0	0.0	0.0
10	10/5/2011	9:44	0.0	0.0	0.0
11	10/5/2011	9:59	0.0	0.0	0.0
12	10/5/2011	10:14	0.0	0.0	0.0
13	10/5/2011	10:29	0.0	0.0	0.0
14	10/5/2011	10:44	0.0	0.0	0.0
15	10/5/2011	10:59	0.0	0.0	0.0
16	10/5/2011	11:14	0.0	0.0	0.0
17	10/5/2011	11:29	0.0	0.0	0.0
18	10/5/2011	11:44	0.0	0.0	0.0
19	10/5/2011	11:59	0.0	0.0	0.0

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Upwind PM_{10} Monitoring Data

Location:		**Upwind Dust**
Date of Monitoring		**9/15/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 001	Log Interval (mm:ss)	5:00
Data Points: 82	Calibration Date:	10/27/2011
Statistics	Maximum:	0.006
	Average:	0.004
	Minimum:	0.002
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/15/2011	8:53:12	0.005
9/15/2011	8:58:12	0.006
9/15/2011	9:03:12	0.005
9/15/2011	9:08:12	0.005
9/15/2011	9:13:12	0.005
9/15/2011	9:18:12	0.005
9/15/2011	9:23:12	0.005
9/15/2011	9:28:12	0.005
9/15/2011	9:33:12	0.005
9/15/2011	9:38:12	0.005
9/15/2011	9:43:12	0.005
9/15/2011	9:48:12	0.005
9/15/2011	9:53:12	0.005
9/15/2011	9:58:12	0.005
9/15/2011	10:03:12	0.005
9/15/2011	10:08:12	0.005
9/15/2011	10:13:12	0.004
9/15/2011	10:18:12	0.005
9/15/2011	10:23:12	0.005
9/15/2011	10:28:12	0.004
9/15/2011	10:33:12	0.004
9/15/2011	10:38:12	0.005
9/15/2011	10:43:12	0.005
9/15/2011	10:48:12	0.005
9/15/2011	10:53:12	0.005
9/15/2011	10:58:12	0.004
9/15/2011	11:03:12	0.005
9/15/2011	11:08:12	0.004
9/15/2011	11:13:12	0.004
9/15/2011	11:18:12	0.006
9/15/2011	11:23:12	0.005

Location:		**Upwind Dust**
Date of Monitoring		**9/15/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 001	Log Interval (mm:ss)	5:00
Data Points: 82	Calibration Date:	10/27/2011
Statistics	Maximum:	0.006
	Average:	0.004
	Minimum:	0.002
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/15/2011	11:28:12	0.004
9/15/2011	11:33:12	0.004
9/15/2011	11:38:12	0.004
9/15/2011	11:43:12	0.004
9/15/2011	11:48:12	0.004
9/15/2011	11:53:12	0.004
9/15/2011	11:58:12	0.004
9/15/2011	12:03:12	0.004
9/15/2011	12:08:12	0.004
9/15/2011	12:13:12	0.004
9/15/2011	12:18:12	0.004
9/15/2011	12:23:12	0.003
9/15/2011	12:28:12	0.004
9/15/2011	12:33:12	0.003
9/15/2011	12:38:12	0.004
9/15/2011	12:43:12	0.003
9/15/2011	12:48:12	0.004
9/15/2011	12:53:12	0.004
9/15/2011	12:58:12	0.004
9/15/2011	13:03:12	0.004
9/15/2011	13:08:12	0.003
9/15/2011	13:13:12	0.003
9/15/2011	13:18:12	0.003
9/15/2011	13:23:12	0.003
9/15/2011	13:28:12	0.002
9/15/2011	13:33:12	0.003
9/15/2011	13:38:12	0.002
9/15/2011	13:43:12	0.002
9/15/2011	13:48:12	0.002
9/15/2011	13:53:12	0.002
9/15/2011	13:58:12	0.002

Location:		**Upwind Dust**
Date of Monitoring		**9/15/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 001	Log Interval (mm:ss)	5:00
Data Points: 82	Calibration Date:	10/27/2011
Statistics	Maximum:	0.006
	Average:	0.004
	Minimum:	0.002
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/15/2011	14:03:12	0.002
9/15/2011	14:08:12	0.002
9/15/2011	14:13:12	0.002
9/15/2011	14:18:12	0.002
9/15/2011	14:23:12	0.002
9/15/2011	14:28:12	0.002
9/15/2011	14:33:12	0.002
9/15/2011	14:38:12	0.003
9/15/2011	14:43:12	0.002
9/15/2011	14:48:12	0.002
9/15/2011	14:53:12	0.002
9/15/2011	14:58:12	0.002
9/15/2011	15:03:12	0.003
9/15/2011	15:08:12	0.003
9/15/2011	15:13:12	0.003
9/15/2011	15:18:12	0.003
9/15/2011	15:23:12	0.003
9/15/2011	15:28:12	0.004
9/15/2011	15:33:12	0.004
9/15/2011	15:38:12	0.003

Location:		**Upwind Dust**
Date of Monitoring		**9/16/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 004	Log Interval (mm:ss)	5:00
Data Points: 34	Calibration Date:	10/27/2011
Statistics	Maximum:	0.019
	Average:	0.012
	Minimum:	0.008
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/20/2011	7:51:12	0.010
9/20/2011	7:56:12	0.015
9/20/2011	8:01:12	0.011
9/20/2011	8:06:12	0.009
9/20/2011	8:11:12	0.010
9/20/2011	8:16:12	0.010
9/20/2011	8:21:12	0.010
9/20/2011	8:26:12	0.011
9/20/2011	8:31:12	0.010
9/20/2011	8:36:12	0.010
9/20/2011	8:41:12	0.010
9/20/2011	8:46:12	0.010
9/20/2011	8:51:12	0.010
9/20/2011	8:56:12	0.009
9/20/2011	9:01:12	0.009
9/20/2011	9:06:12	0.010
9/20/2011	9:11:12	0.009
9/20/2011	9:16:12	0.011
9/20/2011	9:21:12	0.011
9/20/2011	9:26:12	0.010
9/20/2011	9:31:12	0.009
9/20/2011	9:36:12	0.008
9/20/2011	9:41:12	0.017
9/20/2011	9:46:12	0.013
9/20/2011	9:51:12	0.012
9/20/2011	9:56:12	0.012
9/20/2011	10:01:12	0.017
9/20/2011	10:06:12	0.012
9/20/2011	10:11:12	0.013
9/20/2011	10:16:12	0.014
9/20/2011	10:21:12	0.015

Location:		**Upwind Dust**
Date of Monitoring		**9/16/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 004	Log Interval (mm:ss)	5:00
Data Points: 34	Calibration Date:	10/27/2011
Statistics	Maximum:	0.019
	Average:	0.012
	Minimum:	0.008
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/20/2011	10:26:12	0.016
9/20/2011	10:31:12	0.016
9/20/2011	10:36:12	0.019

Location:		**Upwind Dust**
Date of Monitoring		**9/22/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 002	Log Interval (mm:ss)	5:00
Data Points: 59	Calibration Date:	10/27/2011
Statistics	Maximum:	0.045
	Average:	0.032
	Minimum:	0.025
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/22/2011	10:19:10	0.031
9/22/2011	10:24:10	0.028
9/22/2011	10:29:10	0.030
9/22/2011	10:34:10	0.028
9/22/2011	10:39:10	0.030
9/22/2011	10:44:10	0.029
9/22/2011	10:49:10	0.030
9/22/2011	10:54:10	0.032
9/22/2011	10:59:10	0.029
9/22/2011	11:04:10	0.029
9/22/2011	11:09:10	0.028
9/22/2011	11:14:10	0.027
9/22/2011	11:19:10	0.026
9/22/2011	11:24:10	0.026
9/22/2011	11:29:10	0.026
9/22/2011	11:34:10	0.025
9/22/2011	11:39:10	0.026
9/22/2011	11:44:10	0.025
9/22/2011	11:49:10	0.025
9/22/2011	11:54:10	0.025
9/22/2011	11:59:10	0.027
9/22/2011	12:04:10	0.026
9/22/2011	12:09:10	0.029
9/22/2011	12:14:10	0.028
9/22/2011	12:19:10	0.030
9/22/2011	12:24:10	0.031
9/22/2011	12:29:10	0.033
9/22/2011	12:34:10	0.032
9/22/2011	12:39:10	0.032
9/22/2011	12:44:10	0.032
9/22/2011	12:49:10	0.045

Location:		**Upwind Dust**
Date of Monitoring		**9/22/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 002	Log Interval (mm:ss)	5:00
Data Points: 59	Calibration Date:	10/27/2011
Statistics	Maximum:	0.045
	Average:	0.032
	Minimum:	0.025
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/22/2011	12:54:10	0.036
9/22/2011	12:59:10	0.045
9/22/2011	13:04:10	0.039
9/22/2011	13:09:10	0.037
9/22/2011	13:14:10	0.038
9/22/2011	13:19:10	0.037
9/22/2011	13:24:10	0.042
9/22/2011	13:29:10	0.038
9/22/2011	13:34:10	0.038
9/22/2011	13:39:10	0.042
9/22/2011	13:44:10	0.037
9/22/2011	13:49:10	0.039
9/22/2011	13:54:10	0.037
9/22/2011	13:59:10	0.036
9/22/2011	14:04:10	0.037
9/22/2011	14:09:10	0.037
9/22/2011	14:14:10	0.035
9/22/2011	14:19:10	0.034
9/22/2011	14:24:10	0.032
9/22/2011	14:29:10	0.032
9/22/2011	14:34:10	0.032
9/22/2011	14:39:10	0.031
9/22/2011	14:44:10	0.031
9/22/2011	14:49:10	0.032
9/22/2011	14:54:10	0.032
9/22/2011	14:59:10	0.032
9/22/2011	15:04:10	0.031
9/22/2011	15:09:10	0.036

Location:		**Upwind Dust**
Date of Monitoring		**9/23/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 003	Log Interval (mm:ss)	5:00
Data Points: 70	Calibration Date:	10/27/2011
Statistics	Maximum:	0.029
	Average:	0.020
	Minimum:	0.014
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/23/2011	7:27:57	0.021
9/23/2011	7:32:57	0.020
9/23/2011	7:37:57	0.020
9/23/2011	7:42:57	0.021
9/23/2011	7:47:57	0.020
9/23/2011	7:52:57	0.021
9/23/2011	7:57:57	0.022
9/23/2011	8:02:57	0.023
9/23/2011	8:07:57	0.025
9/23/2011	8:12:57	0.027
9/23/2011	8:17:57	0.027
9/23/2011	8:22:57	0.028
9/23/2011	8:27:57	0.029
9/23/2011	8:32:57	0.025
9/23/2011	8:37:57	0.023
9/23/2011	8:42:57	0.022
9/23/2011	8:47:57	0.022
9/23/2011	8:52:57	0.021
9/23/2011	8:57:57	0.021
9/23/2011	9:02:57	0.021
9/23/2011	9:07:57	0.021
9/23/2011	9:12:57	0.019
9/23/2011	9:17:57	0.017
9/23/2011	9:22:57	0.017
9/23/2011	9:27:57	0.017
9/23/2011	9:32:57	0.016
9/23/2011	9:37:57	0.017
9/23/2011	9:42:57	0.015
9/23/2011	9:47:57	0.016
9/23/2011	9:52:57	0.015
9/23/2011	9:57:57	0.015

Location:		**Upwind Dust**
Date of Monitoring		**9/23/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 003	Log Interval (mm:ss)	5:00
Data Points: 70	Calibration Date:	10/27/2011
Statistics	Maximum:	0.029
	Average:	0.020
	Minimum:	0.014
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/23/2011	10:02:57	0.015
9/23/2011	10:07:57	0.014
9/23/2011	10:12:57	0.014
9/23/2011	10:17:57	0.015
9/23/2011	10:22:57	0.015
9/23/2011	10:27:57	0.015
9/23/2011	10:32:57	0.018
9/23/2011	10:37:57	0.018
9/23/2011	10:42:57	0.015
9/23/2011	10:47:57	0.016
9/23/2011	10:52:57	0.015
9/23/2011	10:57:57	0.015
9/23/2011	11:02:57	0.016
9/23/2011	11:07:57	0.016
9/23/2011	11:12:57	0.017
9/23/2011	11:17:57	0.018
9/23/2011	11:22:57	0.017
9/23/2011	11:27:57	0.017
9/23/2011	11:32:57	0.017
9/23/2011	11:37:57	0.017
9/23/2011	11:42:57	0.018
9/23/2011	11:47:57	0.018
9/23/2011	11:52:57	0.019
9/23/2011	11:57:57	0.019
9/23/2011	12:02:57	0.020
9/23/2011	12:07:57	0.021
9/23/2011	12:12:57	0.021
9/23/2011	12:17:57	0.022
9/23/2011	12:22:57	0.022
9/23/2011	12:27:57	0.023
9/23/2011	12:32:57	0.023

Location:		**Upwind Dust**
Date of Monitoring		**9/23/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 003	Log Interval (mm:ss)	5:00
Data Points: 70	Calibration Date:	10/27/2011
Statistics	Maximum:	0.029
	Average:	0.020
	Minimum:	0.014
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
9/23/2011	12:37:57	0.023
9/23/2011	12:42:57	0.023
9/23/2011	12:47:57	0.024
9/23/2011	12:52:57	0.025
9/23/2011	12:57:57	0.026
9/23/2011	13:02:57	0.027
9/23/2011	13:07:57	0.027
9/23/2011	13:12:57	0.028

Location:		**Upwind Dust**
Date of Monitoring		**10/3/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 006	Log Interval (mm:ss)	5:00
Data Points: 76	Calibration Date:	10/2/2011
Statistics	Maximum:	0.059
	Average:	0.016
	Minimum:	0.011
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/3/2011	9:44:37	0.059
10/3/2011	9:49:37	0.014
10/3/2011	9:54:37	0.014
10/3/2011	9:59:37	0.012
10/3/2011	10:04:37	0.012
10/3/2011	10:09:37	0.013
10/3/2011	10:14:37	0.013
10/3/2011	10:19:37	0.014
10/3/2011	10:24:37	0.013
10/3/2011	10:29:37	0.012
10/3/2011	10:34:37	0.012
10/3/2011	10:39:37	0.013
10/3/2011	10:44:37	0.013
10/3/2011	10:49:37	0.014
10/3/2011	10:54:37	0.013
10/3/2011	10:59:37	0.013
10/3/2011	11:04:37	0.013
10/3/2011	11:09:37	0.012
10/3/2011	11:14:37	0.013
10/3/2011	11:19:37	0.012
10/3/2011	11:24:37	0.012
10/3/2011	11:29:37	0.011
10/3/2011	11:34:37	0.011
10/3/2011	11:39:37	0.011
10/3/2011	11:44:37	0.011
10/3/2011	11:49:37	0.014
10/3/2011	11:54:37	0.012
10/3/2011	11:59:37	0.011
10/3/2011	12:04:37	0.012
10/3/2011	12:09:37	0.013
10/3/2011	12:14:37	0.012

Location:		**Upwind Dust**
Date of Monitoring		**10/3/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 006	Log Interval (mm:ss)	5:00
Data Points: 76	Calibration Date:	10/2/2011
Statistics	Maximum:	0.059
	Average:	0.016
	Minimum:	0.011
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/3/2011	12:19:37	0.012
10/3/2011	12:24:37	0.012
10/3/2011	12:29:37	0.012
10/3/2011	12:34:37	0.012
10/3/2011	12:39:37	0.013
10/3/2011	12:44:37	0.013
10/3/2011	12:49:37	0.013
10/3/2011	12:54:37	0.013
10/3/2011	12:59:37	0.013
10/3/2011	13:04:37	0.013
10/3/2011	13:09:37	0.014
10/3/2011	13:14:37	0.018
10/3/2011	13:19:37	0.019
10/3/2011	13:24:37	0.019
10/3/2011	13:29:37	0.018
10/3/2011	13:34:37	0.018
10/3/2011	13:39:37	0.017
10/3/2011	13:44:37	0.017
10/3/2011	13:49:37	0.015
10/3/2011	13:54:37	0.015
10/3/2011	13:59:37	0.015
10/3/2011	14:04:37	0.016
10/3/2011	14:09:37	0.016
10/3/2011	14:14:37	0.016
10/3/2011	14:19:37	0.018
10/3/2011	14:24:37	0.016
10/3/2011	14:29:37	0.017
10/3/2011	14:34:37	0.018
10/3/2011	14:39:37	0.016
10/3/2011	14:44:37	0.017
10/3/2011	14:49:37	0.016

Location:		**Upwind Dust**
Date of Monitoring		**10/3/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 006	Log Interval (mm:ss)	5:00
Data Points: 76	Calibration Date:	10/2/2011
Statistics	Maximum:	0.059
	Average:	0.016
	Minimum:	0.011
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/3/2011	14:54:37	0.018
10/3/2011	14:59:37	0.020
10/3/2011	15:04:37	0.020
10/3/2011	15:09:37	0.021
10/3/2011	15:14:37	0.022
10/3/2011	15:19:37	0.022
10/3/2011	15:24:37	0.023
10/3/2011	15:29:37	0.023
10/3/2011	15:34:37	0.023
10/3/2011	15:39:37	0.022
10/3/2011	15:44:37	0.022
10/3/2011	15:49:37	0.022
10/3/2011	15:54:37	0.025
10/3/2011	15:59:37	0.024

Location:		**Upwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 007	Log Interval (mm:ss)	5:00
Data Points: 72	Calibration Date:	10/27/2011
Statistics	Maximum:	0.030
	Average:	0.023
	Minimum:	0.016
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	7:28:20	0.024
10/4/2011	7:33:20	0.023
10/4/2011	7:38:20	0.024
10/4/2011	7:43:20	0.023
10/4/2011	7:48:20	0.023
10/4/2011	7:53:20	0.023
10/4/2011	7:58:20	0.024
10/4/2011	8:03:20	0.025
10/4/2011	8:08:20	0.026
10/4/2011	8:13:20	0.026
10/4/2011	8:18:20	0.026
10/4/2011	8:23:20	0.026
10/4/2011	8:28:20	0.027
10/4/2011	8:33:20	0.026
10/4/2011	8:38:20	0.026
10/4/2011	8:43:20	0.026
10/4/2011	8:48:20	0.027
10/4/2011	8:53:20	0.027
10/4/2011	8:58:20	0.027
10/4/2011	9:03:20	0.027
10/4/2011	9:08:20	0.028
10/4/2011	9:13:20	0.028
10/4/2011	9:18:20	0.028
10/4/2011	9:23:20	0.028
10/4/2011	9:28:20	0.026
10/4/2011	9:33:20	0.027
10/4/2011	9:38:20	0.026
10/4/2011	9:43:20	0.027
10/4/2011	9:48:20	0.028
10/4/2011	9:53:20	0.028
10/4/2011	9:58:20	0.028

Location:		**Upwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 007	Log Interval (mm:ss)	5:00
Data Points: 72	Calibration Date:	10/27/2011
Statistics	Maximum:	0.030
	Average:	0.023
	Minimum:	0.016
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	10:03:20	0.028
10/4/2011	10:08:20	0.026
10/4/2011	10:13:20	0.028
10/4/2011	10:18:20	0.028
10/4/2011	10:23:20	0.029
10/4/2011	10:28:20	0.030
10/4/2011	10:33:20	0.030
10/4/2011	10:38:20	0.029
10/4/2011	10:43:20	0.026
10/4/2011	10:48:20	0.023
10/4/2011	10:53:20	0.025
10/4/2011	10:58:20	0.024
10/4/2011	11:03:20	0.024
10/4/2011	11:08:20	0.024
10/4/2011	11:13:20	0.023
10/4/2011	11:18:20	0.022
10/4/2011	11:23:20	0.020
10/4/2011	11:28:20	0.019
10/4/2011	11:33:20	0.018
10/4/2011	11:38:20	0.018
10/4/2011	11:43:20	0.018
10/4/2011	11:48:20	0.019
10/4/2011	11:53:20	0.019
10/4/2011	11:58:20	0.017
10/4/2011	12:03:20	0.018
10/4/2011	12:08:20	0.018
10/4/2011	12:13:20	0.017
10/4/2011	12:18:20	0.017
10/4/2011	12:23:20	0.018
10/4/2011	12:28:20	0.019
10/4/2011	12:33:20	0.018

Location:		**Upwind Dust**
Date of Monitoring		**10/4/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 007	Log Interval (mm:ss)	5:00
Data Points: 72	Calibration Date:	10/27/2011
Statistics	Maximum:	0.030
	Average:	0.023
	Minimum:	0.016
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/4/2011	12:38:20	0.018
10/4/2011	12:43:20	0.018
10/4/2011	12:48:20	0.018
10/4/2011	12:53:20	0.016
10/4/2011	12:58:20	0.016
10/4/2011	13:03:20	0.018
10/4/2011	13:08:20	0.019
10/4/2011	13:13:20	0.019
10/4/2011	13:18:20	0.020
10/4/2011	13:23:20	0.020

Location:		**Upwind Dust**
Date of Monitoring		**10/5/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 008	Log Interval (mm:ss)	5:00
Data Points: 61	Calibration Date:	10/27/2011
Statistics	Maximum:	0.019
	Average:	0.011
	Minimum:	0.004
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/5/2011	7:28:35	0.016
10/5/2011	7:33:35	0.016
10/5/2011	7:38:35	0.015
10/5/2011	7:43:35	0.015
10/5/2011	7:48:35	0.014
10/5/2011	7:53:35	0.014
10/5/2011	7:58:35	0.015
10/5/2011	8:03:35	0.014
10/5/2011	8:08:35	0.016
10/5/2011	8:13:35	0.017
10/5/2011	8:18:35	0.016
10/5/2011	8:23:35	0.016
10/5/2011	8:28:35	0.014
10/5/2011	8:33:35	0.015
10/5/2011	8:38:35	0.015
10/5/2011	8:43:35	0.019
10/5/2011	8:48:35	0.018
10/5/2011	8:53:35	0.015
10/5/2011	8:58:35	0.013
10/5/2011	9:03:35	0.013
10/5/2011	9:08:35	0.015
10/5/2011	9:13:35	0.014
10/5/2011	9:18:35	0.012
10/5/2011	9:23:35	0.013
10/5/2011	9:28:35	0.012
10/5/2011	9:33:35	0.012
10/5/2011	9:38:35	0.011
10/5/2011	9:43:35	0.011
10/5/2011	9:48:35	0.011
10/5/2011	9:53:35	0.010
10/5/2011	9:58:35	0.010

Location:		**Upwind Dust**
Date of Monitoring		**10/5/2011**
TrakPro Version 4.41 ASCII Data File		
Model: DustTrak 8520	Serial Number:	85197769
Test ID: 008	Log Interval (mm:ss)	5:00
Data Points: 61	Calibration Date:	10/27/2011
Statistics	Maximum:	0.019
	Average:	0.011
	Minimum:	0.004
Date	Time (hh:mm:ss)	Aerosol (mg/m^3)
10/5/2011	10:03:35	0.010
10/5/2011	10:08:35	0.009
10/5/2011	10:13:35	0.010
10/5/2011	10:18:35	0.010
10/5/2011	10:23:35	0.009
10/5/2011	10:28:35	0.009
10/5/2011	10:33:35	0.009
10/5/2011	10:38:35	0.009
10/5/2011	10:43:35	0.008
10/5/2011	10:48:35	0.008
10/5/2011	10:53:35	0.008
10/5/2011	10:58:35	0.008
10/5/2011	11:03:35	0.008
10/5/2011	11:08:35	0.008
10/5/2011	11:13:35	0.007
10/5/2011	11:18:35	0.006
10/5/2011	11:23:35	0.005
10/5/2011	11:28:35	0.005
10/5/2011	11:33:35	0.005
10/5/2011	11:38:35	0.006
10/5/2011	11:43:35	0.005
10/5/2011	11:48:35	0.005
10/5/2011	11:53:35	0.005
10/5/2011	11:58:35	0.005
10/5/2011	12:03:35	0.005
10/5/2011	12:08:35	0.004
10/5/2011	12:13:35	0.005
10/5/2011	12:18:35	0.005
10/5/2011	12:23:35	0.005
10/5/2011	12:28:35	0.005

ARCADIS

Upwind VOC Monitoring Data

Location:			**Upwind VOC**		
Date of Monitoring			**9/14/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 005940		
User ID: 00000001			Site ID: 00000007		
Data Points: 14		Gas Name: Isobutylene		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:39			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	9/14/2011	11:50	0.0	0.0	5.5
2	9/14/2011	12:05	0.0	0.0	6.9
3	9/14/2011	12:20	0.0	0.0	2.1
4	9/14/2011	12:35	0.0	0.0	1.7
5	9/14/2011	12:50	0.0	0.0	1.0
6	9/14/2011	13:05	0.0	0.1	11.3
7	9/14/2011	13:20	0.0	0.4	16.0
8	9/14/2011	13:35	0.0	0.0	0.8
9	9/14/2011	13:50	0.0	0.0	0.0
10	9/14/2011	14:05	0.0	0.0	1.1
11	9/14/2011	14:20	0.0	0.0	3.1
12	9/14/2011	14:35	0.0	0.2	11.5
13	9/14/2011	14:50	0.0	0.0	2.2
14	9/14/2011	15:05	0.0	0.0	0.9

Location:			**Upwind VOC**		
Date of Monitoring			**9/15/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 005940		
User ID: 00000001			Site ID: 00000008		
Data Points: 26		Gas Name: Isobutylene		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:39			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	9/15/2011	8:59	0.0	0.0	0.0
2	9/15/2011	9:14	0.0	0.0	0.0
3	9/15/2011	9:29	0.0	0.0	0.0
4	9/15/2011	9:44	0.0	0.0	0.0
5	9/15/2011	9:59	0.0	0.0	0.0
6	9/15/2011	10:14	0.0	0.0	0.0
7	9/15/2011	10:29	0.0	0.0	0.0
8	9/15/2011	10:44	0.0	0.0	0.0
9	9/15/2011	10:59	0.0	0.0	0.0
10	9/15/2011	11:14	0.0	0.0	0.0
11	9/15/2011	11:29	0.0	0.0	0.0
12	9/15/2011	11:44	0.0	0.0	0.0
13	9/15/2011	11:59	0.0	0.0	0.0
14	9/15/2011	12:14	0.0	0.0	0.0
15	9/15/2011	12:29	0.0	0.0	0.0
16	9/15/2011	12:44	0.0	0.0	0.0
17	9/15/2011	12:59	0.0	0.0	0.0
18	9/15/2011	13:14	0.0	0.0	0.0
19	9/15/2011	13:29	0.0	0.0	0.0
20	9/15/2011	13:44	0.0	0.0	0.0
21	9/15/2011	13:59	0.0	0.0	0.0
22	9/15/2011	14:14	0.0	0.0	0.0
23	9/15/2011	14:29	0.0	0.0	0.0
24	9/15/2011	14:44	0.0	0.0	0.0
25	9/15/2011	14:59	0.0	0.0	0.0
26	9/15/2011	15:14	0.0	0.0	0.0

Location:			**Upwind VOC**		
Date of Monitoring			**9/16/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 013337		
User ID: 00000001			Site ID: 00000007		
Data Points: 22		Gas Name: Isobutyl		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:11			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	9/16/2011	8:29	0.0	0.0	0.0
2	9/16/2011	8:44	0.0	0.0	0.0
3	9/16/2011	8:59	0.0	0.0	0.0
4	9/16/2011	9:14	0.0	0.0	0.0
5	9/16/2011	9:29	0.0	0.0	0.0
6	9/16/2011	9:44	0.0	0.0	0.0
7	9/16/2011	9:59	0.0	0.0	0.0
8	9/16/2011	10:14	0.0	0.0	0.0
9	9/16/2011	10:29	0.0	0.0	0.0
10	9/16/2011	10:44	0.0	0.0	0.0
11	9/16/2011	10:59	0.0	0.0	0.0
12	9/16/2011	11:14	0.0	0.0	0.0
13	9/16/2011	11:29	0.0	0.0	0.0
14	9/16/2011	11:44	0.0	0.0	0.0
15	9/16/2011	11:59	0.0	0.0	0.0
16	9/16/2011	12:14	0.0	0.0	0.0
17	9/16/2011	12:29	0.0	0.0	0.0
18	9/16/2011	12:44	0.0	0.0	0.0
19	9/16/2011	12:59	0.0	0.0	0.0
20	9/16/2011	13:14	0.0	0.0	0.0
21	9/16/2011	13:29	0.0	0.0	0.0
22	9/16/2011	13:44	0.0	0.0	0.0

Location:			**Upwind VOC**		
Date of Monitoring			**9/19/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 013337		
User ID: 00000001			Site ID: 00000008		
Data Points:10		Gas Name: Isobutyl		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:11			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	9/19/2011	11:33	0.0	0.0	0.0
2	9/19/2011	11:48	0.0	0.0	0.0
3	9/19/2011	12:03	0.0	0.0	0.0
4	9/19/2011	12:18	0.0	0.0	0.0
5	9/19/2011	12:33	0.0	0.0	0.0
6	9/19/2011	12:48	0.0	0.0	0.0
7	9/19/2011	13:03	0.0	0.0	0.0
8	9/19/2011	13:18	0.0	0.0	0.0
9	9/19/2011	13:33	0.0	0.0	0.0
10	9/19/2011	13:48	0.0	0.0	0.0

Location:			**Upwind VOC**		
Date of Monitoring			**9/22/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 005940		
User ID: 00000001			Site ID: 00000013		
Data Points: 18		Gas Name: Isobutylene		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:39			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	9/22/2011	10:28	0.0	0.0	1.1
2	9/22/2011	10:43	0.0	0.0	0.0
3	9/22/2011	10:58	0.0	0.0	0.0
4	9/22/2011	11:13	0.0	0.0	0.0
5	9/22/2011	11:28	0.0	0.0	0.0
6	9/22/2011	11:43	0.0	0.0	0.0
7	9/22/2011	11:58	0.0	0.0	0.0
8	9/22/2011	12:13	0.0	0.0	0.0
9	9/22/2011	12:28	0.0	0.0	0.0
10	9/22/2011	12:43	0.0	0.0	0.0
11	9/22/2011	12:58	0.0	0.0	0.0
12	9/22/2011	13:13	0.0	0.0	0.0
13	9/22/2011	13:28	0.0	0.0	0.0
14	9/22/2011	13:43	0.0	0.0	0.0
15	9/22/2011	13:58	0.0	0.0	0.0
16	9/22/2011	14:13	0.0	0.0	0.0
17	9/22/2011	14:28	0.0	0.0	0.0
18	9/22/2011	14:43	0.0	0.0	0.0

Location:			**Upwind VOC**		
Date of Monitoring			**9/23/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 005940		
User ID: 00000001			Site ID: 00000014		
Data Points: 22		Gas Name: Isobutylene		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:39			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	9/23/2011	7:33	0.0	0.0	0.0
2	9/23/2011	7:48	0.0	0.0	0.0
3	9/23/2011	8:03	0.0	0.0	0.0
4	9/23/2011	8:18	0.0	0.0	0.0
5	9/23/2011	8:33	0.0	0.0	0.0
6	9/23/2011	8:48	0.0	0.0	0.0
7	9/23/2011	9:03	0.0	0.0	0.0
8	9/23/2011	9:18	0.0	0.0	0.0
9	9/23/2011	9:33	0.0	0.0	0.0
10	9/23/2011	9:48	0.0	0.0	0.0
11	9/23/2011	10:03	0.0	0.0	0.0
12	9/23/2011	10:18	0.0	0.0	0.0
13	9/23/2011	10:33	0.0	0.0	0.0
14	9/23/2011	10:48	0.0	0.0	0.0
15	9/23/2011	11:03	0.0	0.0	0.0
16	9/23/2011	11:18	0.0	0.0	0.0
17	9/23/2011	11:33	0.0	0.0	0.0
18	9/23/2011	11:48	0.0	0.0	0.0
19	9/23/2011	12:03	0.0	0.0	0.0
20	9/23/2011	12:18	0.0	0.0	0.0
21	9/23/2011	12:33	0.0	0.0	0.0
22	9/23/2011	12:48	0.0	0.0	0.0

Location:			**Upwind VOC**		
Date of Monitoring			**10/3/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 013337		
User ID: 00000001			Site ID: 00000015		
Data Points: 24		Gas Name: Isobutyl		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:11			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	10/3/2011	9:48	0.0	0.0	0.0
2	10/3/2011	10:03	0.0	0.0	0.0
3	10/3/2011	10:18	0.0	0.0	0.0
4	10/3/2011	10:33	0.0	0.0	0.0
5	10/3/2011	10:48	0.0	0.0	0.0
6	10/3/2011	11:03	0.0	0.0	0.0
7	10/3/2011	11:18	0.0	0.0	0.0
8	10/3/2011	11:33	0.0	0.1	11.0
9	10/3/2011	11:48	0.0	0.0	0.0
10	10/3/2011	12:03	0.0	0.0	0.0
11	10/3/2011	12:18	0.0	0.0	0.0
12	10/3/2011	12:33	0.0	0.0	0.0
13	10/3/2011	12:48	0.0	0.0	0.0
14	10/3/2011	13:03	0.0	0.0	0.0
15	10/3/2011	13:18	0.0	0.0	0.0
16	10/3/2011	13:33	0.0	0.0	0.0
17	10/3/2011	13:48	0.0	0.0	0.0
18	10/3/2011	14:03	0.0	0.0	0.0
19	10/3/2011	14:18	0.0	0.0	3.4
20	10/3/2011	14:33	0.0	0.0	0.0
21	10/3/2011	14:48	0.0	0.0	0.0
22	10/3/2011	15:03	0.0	0.0	0.0
23	10/3/2011	15:18	0.0	0.0	0.0
24	10/3/2011	15:33	0.0	0.0	0.0

Location:			**Upwind VOC**		
Date of Monitoring			**10/4/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 013337		
User ID: 00000001			Site ID: 00000016		
Data Points: 34		Gas Name: Isobutyl		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:11			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	10/4/2011	7:37	0.0	0.0	0.0
2	10/4/2011	7:52	0.0	0.0	0.0
3	10/4/2011	8:07	0.0	0.0	0.0
4	10/4/2011	8:22	0.0	0.0	0.0
5	10/4/2011	8:37	0.0	0.0	0.0
6	10/4/2011	8:52	0.0	0.0	0.0
7	10/4/2011	9:07	0.0	0.0	0.0
8	10/4/2011	9:22	0.0	0.0	0.0
9	10/4/2011	9:37	0.0	0.0	0.0
10	10/4/2011	9:52	0.0	0.0	0.0
11	10/4/2011	10:07	0.0	0.0	0.0
12	10/4/2011	10:22	0.0	0.0	0.0
13	10/4/2011	10:37	0.0	0.0	0.0
14	10/4/2011	10:52	0.0	0.0	0.0
15	10/4/2011	11:07	0.0	0.0	0.0
16	10/4/2011	11:22	0.0	0.0	0.0
17	10/4/2011	11:37	0.0	0.0	0.0
18	10/4/2011	11:52	0.0	0.0	0.0
19	10/4/2011	12:07	0.0	0.0	0.0
20	10/4/2011	12:22	0.0	0.0	0.0
21	10/4/2011	12:37	0.0	0.0	0.0
22	10/4/2011	12:52	0.0	0.0	0.0
23	10/4/2011	13:07	0.0	0.0	0.0
24	10/4/2011	13:22	0.0	0.0	0.0
25	10/4/2011	13:37	0.0	0.0	0.0
26	10/4/2011	13:52	0.0	0.0	0.0
27	10/4/2011	14:07	0.0	0.0	0.0
28	10/4/2011	14:22	0.0	0.0	0.0
29	10/4/2011	14:37	0.0	0.0	0.0
30	10/4/2011	14:52	0.0	0.0	0.0
31	10/4/2011	15:07	0.0	0.0	0.0
32	10/4/2011	15:22	0.0	0.0	0.0

Location:			**Upwind VOC**		
Date of Monitoring			**10/4/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 013337		
User ID: 00000001			Site ID: 00000016		
Data Points: 34		Gas Name: Isobutyl		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:11			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
33	10/4/2011	15:37	0.0	0.0	0.0
34	10/4/2011	15:52	0.0	0.0	0.0

Location:			**Upwind VOC**		
Date of Monitoring			**10/5/2011**		
Instrument: MiniRAE 2000 (PGM7600)			Serial Number: 005940		
User ID: 00000001			Site ID: 00000019		
Data Points: 19		Gas Name: Isobutylene		Sample period: 900 sec	
Last Calibration Time:		9/6/2011 11:39			
Measuremen Type:			Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels			100.0	100.0	100.0
Low Alarm levels:			50.0	50.0	50.0
Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	10/5/2011	7:33	0.0	0.0	0.0
2	10/5/2011	7:48	0.0	0.0	0.0
3	10/5/2011	8:03	0.0	0.0	0.0
4	10/5/2011	8:18	0.0	0.0	0.0
5	10/5/2011	8:33	0.0	0.0	0.0
6	10/5/2011	8:48	0.0	0.0	0.0
7	10/5/2011	9:03	0.0	0.0	0.0
8	10/5/2011	9:18	0.0	0.0	0.0
9	10/5/2011	9:33	0.0	0.0	0.0
10	10/5/2011	9:48	0.0	0.0	0.0
11	10/5/2011	10:03	0.0	0.0	0.0
12	10/5/2011	10:18	0.0	0.0	0.0
13	10/5/2011	10:33	0.0	0.0	0.0
14	10/5/2011	10:48	0.0	0.0	0.0
15	10/5/2011	11:03	0.0	0.0	0.0
16	10/5/2011	11:18	0.0	0.0	0.0
17	10/5/2011	11:33	0.0	0.0	0.0
18	10/5/2011	11:48	0.0	0.0	0.0
19	10/5/2011	12:03	0.0	0.0	0.0

Attachment 2

Soil Boring Logs

Date Start/Finish: 9/22/2011 - 9/30/2011
Drilling Company: Parratt Wolff
Driller's Name: Brad Palmer
Drilling Method: Hollow Stem Auger
Casing Diameter: 4.25" ID
Rig Type: CME-55
Sampling Method: 2" x 2' Split Spoon

Northing: 820998.6
Easting: 1068144

Borehole Depth: 11.9' bgs
Surface Elevation: 632.96' AMSL

Descriptions By: M. Eriksson/L. Terrell

Well/Boring ID: **CSB-01**

Client: NYSEG

Location: Clark Street Former MGP Site
Auburn, NY

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blow Counts	N - Value	Geologic Column	RQD%	Bedrock Fractures	Stratigraphic Description	Well/Boring Construction
635											
0	1	0-2	Grab	0.0	NA	NA				Dark brown fine SAND, some fine to medium Gravel, little Silt (increasing with depth).	
630	2	2-4	Grab	0.0	NA	NA					
	3	4-5	Grab	0.0	NA	NA					
5	4	5-6	0.4	0.0	2 4	NA				Brown fine to medium subround to subangular GRAVEL, little fine to medium Sand and Silt, trace coarse Sand, loose, wet.	
	5	6-8	1.1	0.0	9 25 10 8	35				Reddish brown SILT, little fine Sand, moderately stiff, moist.	
625	6	8-10	1.4	0.0	11 18 25 38	43				Gray brown seam of fine to medium Sand.	Borehole backfilled to grade with bentonite/cement grout.
10	7	10-12	1.4	0.0	8 16 18 50/4"	34				Trace fine, medium and coarse Gravel; gray coarse Gravel last 1" of sample.	
										Auger refusal at 11.9' bgs. Begin coring at 13' bgs.	
620	BR1	13-18	45"	0.0	NA	NA		95	HZ	Gray LIMESTONE, horizontal fractures at 13.3' and 13.8' bgs.	
15											

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Remarks: bgs = below ground surface; NA = not applicable/available; AMSL = above mean sea level; VOC = volatile organic compound; SVOC = semi-volatile organic compound.

Geotechnical samples collected from 0-4' bgs, 5-7.5' bgs and 8-11.9' bgs.
VOC/SVOC sample collected from 10.9-11.9' bgs.

Blow counts are not available above 5' bgs due to hand clearing.

Client: NYSEG

Well/Boring ID: **CSB-01**

Borehole Depth: 11.9' bgs

Site Location:
Clark Street Former MGP Site
Auburn, NY

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blow Counts	N - Value	Geologic Column	RQD%	Bedrock Fractures	Stratigraphic Description	Well/Boring Construction
615	BR1	13-18	45"	0.0	NA	NA		95		Gray LIMESTONE.	Borehole backfilled to grade with bentonite/cement grout.
										Coring terminated at 18' bgs.	
20 / 610											
25 / 605											
30 / 600											
35											

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Remarks: bgs = below ground surface; NA = not applicable/available; AMSL = above mean sea level; VOC = volatile organic compound; SVOC = semi-volatile organic compound.

Geotechnical samples collected from 0-4' bgs, 5-7.5' bgs and 8-11.9' bgs.
VOC/SVOC sample collected from 10.9-11.9' bgs.

Blow counts are not available above 5' bgs due to hand clearing.

Project Number: B0013091.0004.00120 Template: H:\NYSEG\boringHSA 2007 GEOTECH 2core.ldfx
Data File: CSB-01.dat Date: 12/1/2011 Created/Edited by: RAS

Date Start/Finish: 9/22/2011 - 9/29/2011
Drilling Company: Parratt Wolff
Driller's Name: Brad Palmer
Drilling Method: Hollow Stem Auger
Casing Diameter: 4.25" ID
Rig Type: CME-55
Sampling Method: 2" x 2' Split Spoon

Northing: 820995.8
Easting: 1068107

Borehole Depth: 13.9' bgs
Surface Elevation: 633.41' AMSL

Descriptions By: Marcus Eriksson

Well/Boring ID: **CSB-02**

Client: NYSEG

Location: Clark Street Former MGP Site
Auburn, NY

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blow Counts	N - Value	Geologic Column	Stratigraphic Description	Well/Boring Construction
635									
0	1	0-2	Grab	0.0	NA	NA		Brown fine SAND, little fine to medium Gravel, trace Silt and Cobbles.	
630	2	2-4	Grab	0.0	NA	NA			
	3	4-5	Grab	0.0	NA	NA		Brown SILT, some fine Sand, little to trace Clay at 5' bgs, moist, non-plastic.	
5	4	5-6	0.8	0.0	7 17	NA		Brown SILT, some fine, medium and coarse subround to subangular Gravel, little fine to medium Sand, trace coarse Sand and Organics, loose, moist.	
	5	6-8	1.1	0.0	23 17 20 20	37		Light brown, some fine Sand, trace fine to medium subround gravel, stiff, moist, non-plastic.	Borehole backfilled to grade with bentonite/cement grout.
625	6	8-10	1.4	0.0	10 16 17 20	33			
10	7	10-12	1.3	0.0	3 6 9 16	15			
620	8	12-14	1.9	0.0	11 21 38 50/4"	59		Gray fractured rock in tip of spoon. Auger refusal at 13.9' bgs.	
15								End of boring at 13.9' bgs.	

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Remarks: bgs = below ground surface; NA = not applicable/available; AMSL = above mean sea level; VOC = volatile organic compound; SVOC = semi-volatile organic compound.

Geotechnical samples collected from 0-5' bgs, 5-6' bgs and 6-13.9' bgs.
VOC/SVOC sample collected from 12-14' bgs.

Blow counts are not available above 5' bgs due to hand clearing.

Date Start/Finish: 9/22/2011 - 9/29/2011
Drilling Company: Parratt Wolff
Driller's Name: Brad Palmer
Drilling Method: Hollow Stem Auger
Casing Diameter: 4.25" ID
Rig Type: CME-55
Sampling Method: 2" x 2' Split Spoon

Northing: 821052.2
Easting: 1068161

Borehole Depth: 12.3' bgs
Surface Elevation: 633.53' AMSL

Descriptions By: M. Eriksson/L. Terrell

Well/Boring ID: **CSB-03**

Client: NYSEG

Location: Clark Street Former MGP Site
Auburn, NY

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blow Counts	N - Value	Geologic Column	Stratigraphic Description	Well/Boring Construction
635									
0	1	0-2	Grab	0.0	NA	NA		Brown fine SAND, some fine to medium Gravel, little Silt and Cobbles, trace Slag and Organics.	
630	2	2-4	Grab	0.0	NA	NA		Some Cobbles.	
	3	4-5	Grab	0.0	NA	NA			
5	4	5-6	0.7	0.0	2 2	NA		Brown fine, medium and coarse GRAVEL, some Silt, little fine, medium and coarse Sand, trace Organics, soft, moist, non-plastic.	
	5	6-8	1.5	0.0	6 9 9 13	18		Light brown SILT and gray fine, medium and coarse subangular GRAVEL, trace fine Sand, soft, moist. Some fine Sand at 6.9' bgs.	Borehole backfilled to grade with bentonite/cement grout.
625	6	8-10	1.2	0.0	9 16 13 30	29			
10	7	10-12	1.0	0.0	9 13 17 44	30		Light brown and gray fine, medium and coarse GRAVEL, little Silt and fine Sand, loose, moist to wet.	
	8	12-14	NR	0.0	50/3"	NA		Auger refusal at 12.3' bgs.	
620								End of boring at 12.3' bgs.	
15									

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Remarks: bgs = below ground surface; NA = not applicable/available; AMSL = above mean sea level; VOC = volatile organic compound; SVOC = semi-volatile organic compound; NR = no recovery.

Geotechnical samples collected from 0-5' bgs, 5-7' bgs. 7-10' bgs and 10-12' bgs. VOC/SVOC sample collected from 9-12' bgs.

Blow counts are not available above 5' bgs due to hand clearing.

Date Start/Finish: 9/22/2011
Drilling Company: Parratt Wolff
Driller's Name: Brad Palmer
Drilling Method: Hollow Stem Auger
Casing Diameter: 4.25" ID
Rig Type: CME-55
Sampling Method: 2" x 2' Split Spoon

Northing: 820958.8
Easting: 1068141

Borehole Depth: 9.2' bgs
Surface Elevation: 633.29' AMSL

Descriptions By: Marcus Eriksson

Well/Boring ID: **CSB-04**

Client: NYSEG

Location: Clark Street Former MGP Site
Auburn, NY

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blow Counts	N - Value	Geologic Column	Stratigraphic Description	Well/Boring Construction
635									
0	1	0-2	Grab	0.0	NA	NA		Dark brown fine SAND, some Silt and fine, medium and coarse Gravel, little red Brick, trace Clay, moist, non-plastic.	
630	2	2-4	Grab	0.0	NA	NA		Possible concrete structure on east side of boring at 2.5' bgs.	
5	3	4-5	Grab	17.1	NA	NA		Faint to moderate sheen at 5' bgs; possible perched water.	Borehole backfilled to grade with bentonite/cement grout.
	4	5-6	0.1	0.0	3 11	NA		Brown fine to medium SAND, red BRICK and fine to medium GRAVEL, loose, saturated, non-plastic.	
	5	6-8	1.2	0.0	6 9 11 17	20		Brown fine, medium and coarse GRAVEL, little Silt and fine to medium Sand, loose, faint burnt-like odor, saturated, non-plastic.	
625	6	8-10	1.2	0.0	12 28 50/2"	NA		Auger refusal at 9.2' bgs.	
10								End of boring at 9.2' bgs.	
620									
15									

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Remarks: bgs = below ground surface; NA = not applicable/available; AMSL = above mean sea level; BTEX = benzene, toluene, ethylbenzene and xylenes; PAH = polycyclic aromatic hydrocarbons.

Geotechnical sample collected from 0-5' bgs.
BTEX/PAH sample collected from 7-9' bgs.

Blow counts are not available above 5' bgs due to hand clearing.

Date Start/Finish: 9/22/2011 - 10/3/2011
Drilling Company: Parratt Wolff
Driller's Name: Brad Palmer
Drilling Method: Hollow Stem Auger
Casing Diameter: 4.25" ID
Rig Type: CME-55
Sampling Method: 2" x 2' Split Spoon

Northing: 820895.4
Easting: 1068161

Borehole Depth: 13' bgs
Surface Elevation: 633.51' AMSL

Descriptions By: Marcus Eriksson

Well/Boring ID: **CSB-05**

Client: NYSEG

Location: Clark Street Former MGP Site
Auburn, NY

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blow Counts	N - Value	Geologic Column	RQD%	Bedrock Fractures	Stratigraphic Description	Well/Boring Construction
635											
0	1	0-2	Grab	0.0	NA	NA				ASPHALT. Red BRICK. Dark brown fine SAND, little to some fine, medium and coarse Gravel and Silt (Silt increases with depth), trace Organics (roots) and Clay (4-5' bgs).	
630	2	2-4	Grab	0.0	NA	NA					
	3	4-5	Grab	14.3	NA	NA				Moderate MGP-like odor, dark staining (4.5-5' bgs).	
5	4	5-6	0.6	11.7	6 50/3"	NA				Gray-brown fine SAND, little Silt and fine to medium Gravel, saturated, non-plastic, possible perched water. Hard at 5.9' bgs; attempted to drill through.	
625	5	7-9	1.2	323	4 3 7 14	10				Gray-brown fine SAND and fine, medium and coarse GRAVEL, little Silt, saturated, non-plastic, moderate NAPL blebs at 8-8.2' bgs (heavy coating, MGP-like odor).	Borehole backfilled to grade with bentonite/cement grout.
10	6	9-11	1.5	0.0	15 17 23 27	40				Till material begins at approximately 9.5-10' bgs; NAPL appears on top of till material. Weathered BEDROCK at 10.5' bgs. Begin coring at 13' bgs.	
620	BR1	13-18	51"	0.0	NA	NA		66	HZ HZ HZ HZ HZ	Gray LIMESTONE, dark laminations throughout, horizontal fractures at 13.8', 14.5', 14.9', 15.3' and 15.5' bgs.	
15											

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Remarks: bgs = below ground surface; NA = not applicable/available; AMSL = above mean sea level; MGP = manufactured gas plant; NAPL = non-aqueous phase liquid.

Geotechnical samples collected from 0-5' bgs and 7-11' bgs.

Blow counts are not available above 5' bgs due to hand clearing.

Client: NYSEG

Well/Boring ID: **CSB-05**

Borehole Depth: 13' bgs

Site Location:
Clark Street Former MGP Site
Auburn, NY

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blow Counts	N - Value	Geologic Column	RQD%	Bedrock Fractures	Stratigraphic Description	Well/Boring Construction
	BR1	13-18	51"	0.0	NA	NA		66	HZ HZ	Gray LIMESTONE, dark laminations throughout, horizontal fractures at 16.3', 17.1' and 17.2' bgs.	Borehole backfilled to grade with bentonite/cement grout.
615										Coring terminated at 18' bgs.	
20											
610											
25											
605											
30											
600											
35											

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Remarks: bgs = below ground surface; NA = not applicable/available; AMSL = above mean sea level; MGP = manufactured gas plant; NAPL = non-aqueous phase liquid.

Geotechnical samples collected from 0-5' bgs and 7-11' bgs.

Blow counts are not available above 5' bgs due to hand clearing.

Date Start/Finish: 9/22/2011 - 10/3/2011
Drilling Company: Parratt Wolff
Driller's Name: Brad Palmer
Drilling Method: Hollow Stem Auger
Casing Diameter: 4.25" ID
Rig Type: CME-55
Sampling Method: 2" x 2' Split Spoon

Northing: 820764.3
Easting: 1068239

Borehole Depth: 13' bgs
Surface Elevation: 632.99' AMSL

Descriptions By: Marcus Eriksson

Well/Boring ID: **CSB-06**

Client: NYSEG

Location: Clark Street Former MGP Site
Auburn, NY

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blow Counts	N - Value	Geologic Column	RQD%	Bedrock Fractures	Stratigraphic Description	Well/Boring Construction
635											
0	1	0-2	Grab	0.0	NA	NA				Brown fine SAND, some Silt, little to some fine, medium and coarse Gravel, moist, non-plastic.	
630	2	2-4	Grab	0.0	NA	NA					
	3	4-5	Grab	7.3	NA	NA				Trace Clay, faint MGP-like odor at 4.5-5' bgs.	
5	4	5-7	1.3	98.7	WH WH 1-1	NA				Gray-brown, little Organics (peat, roots), fine to medium Gravel, and Silt, moist, non-plastic; moderate MGP-like odor, trace dark staining.	
625	5	7-9	1.6	62.0	2 3 3 4	6				Saturated at 7' bgs, little NAPL blebs from 7' to 7.4' bgs. Brown, trace fine to medium Gravel and Organics, saturated, non-plastic.	Borehole backfilled to grade with bentonite/cement grout.
10	6	9-11	1.3	17.7	16 24 27 20	51				Gray-brown, little to some fine, medium and coarse Gravel and Silt (till), saturated, non-plastic; moderate MGP-like odor, sheen (in water, slough).	
	7	11-13	1.0	2.5	14 15 64 100/3"	79				Weathered BEDROCK at 12.5-12.8' bgs.	
620									HZ	Begin coring at 13' bgs.	
15	BR1	13-18	51"	0.0	NA	NA		29	HZ HZ HZ HZ HZ VT	Gray LIMESTONE, horizontal fractures at 13.1', 13.5', 13.6', 14', 14.2', 14.6', 14.9' and 15.4' bgs; vertical fracture from 15.4' to 15.8' bgs.	

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Remarks: bgs = below ground surface; NA = not applicable/available; AMSL = above mean sea level; MGP = manufactured gas plant; NAPL = non-aqueous phase liquid; WOH = weight of hammer.

Geotechnical samples collected from 0-5' bgs, 5-9' bgs and 9-12.8' bgs.

Blow counts are not available above 5' bgs due to hand clearing.

Client: NYSEG

Well/Boring ID: **CSB-06**

Borehole Depth: 13' bgs

Site Location:
Clark Street Former MGP Site
Auburn, NY

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blow Counts	N - Value	Geologic Column	RQD%	Bedrock Fractures	Stratigraphic Description	Well/Boring Construction
615	BR1	13-18	51"	0.0	NA	NA		29		Gray LIMESTONE, horizontal fractures at 16.2', 16.3', 16.5', 16.6', 16.7', 16.8', 16.9', 17' and 17.2' bgs.	Borehole backfilled to grade with bentonite/cement grout.
										Coring terminated at 18' bgs.	
20 / 610											
25 / 605											
30 / 600											
35											

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Remarks: bgs = below ground surface; NA = not applicable/available; AMSL = above mean sea level; MGP = manufactured gas plant; NAPL = non-aqueous phase liquid; WOH = weight of hammer.

Geotechnical samples collected from 0-5' bgs, 5-9' bgs and 9-12.8' bgs.

Blow counts are not available above 5' bgs due to hand clearing.

Project Number:
Data File:CSB-06.dat

Template:H:\NYSEG\boringHSA 2007 GEOTECH 2core.ldfx
Date: 12/2/2011 Created/Edited by:RAS

Date Start/Finish: 9/23/2011 - 10/4/2011
Drilling Company: Parratt Wolff
Driller's Name: Brad Palmer
Drilling Method: Hollow Stem Auger
Casing Diameter: 4.25" ID
Rig Type: CME-55
Sampling Method: 2" x 2' Split Spoon

Northing: 820797.2
Easting: 1068304

Borehole Depth: 12.4' bgs
Surface Elevation: 632.26' AMSL

Descriptions By: Marcus Eriksson

Well/Boring ID: **CSB-07**

Client: NYSEG

Location: Clark Street Former MGP Site
Auburn, NY

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blow Counts	N - Value	Geologic Column	Stratigraphic Description	Well/Boring Construction
635									
0									
	1	0-2	Grab	0.0	NA	NA		Brown fine SAND, little to some Silt and fine, medium and coarse Gravel. Little Organics from 0-2' bgs.	
630	2	2-4	Grab	0.0	NA	NA		Little Slag at 3' bgs.	
	3	4-5	Grab	0.0	NA	NA		Trace Coal at 5' bgs.	
5	4	5-7	1.2	2.8	2 3 3 3	6		Gray/brown, some Silt and fine to medium Gravel, saturated, non-plastic, little NAPL blebs in shoe, black staining, MGP-like odor at approximately 6' bgs.	Borehole backfilled to grade with bentonite/cement grout.
625	5	7-9	1.4	44.3	9 12 17 24	29		Moderate to heavy NAPL coating and blebs, MGP-like odor, staining below 7' bgs. Dark fine SAND and fine, medium and coarse GRAVEL, little Silt (till-like).	
10	6	9-11	0.3	16.2	3 8 9 20	78		Little NAPL at 10' bgs.	
	7	11-13	1.0	2.1	20 47 50/3"	NA		Gray/brown, very stiff (till-like), moist, non-plastic. Auger refusal at 12.4' bgs.	
620								End of boring at 12.4' bgs.	
15									

Remarks: bgs = below ground surface; NA = not applicable/available; AMSL = above mean sea level; MGP = manufactured gas plant; NAPL = non-aqueous phase liquid.

Geotechnical samples collected from 0-5' bgs and 8-12.4' bgs.

Blow counts are not available above 5' bgs due to hand clearing.

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Date Start/Finish: 9/23/2011 - 10/5/11
Drilling Company: Parratt Wolff
Driller's Name: Brad Palmer
Drilling Method: Hollow Stem Auger
Casing Diameter: 4.25" ID
Rig Type: CME-55
Sampling Method: 2" x 2' Split Spoon

Northing: 820945.3
Easting: 1068337

Borehole Depth: 9' bgs
Surface Elevation: 631.47' AMSL

Descriptions By: Marcus Eriksson

Well/Boring ID: **CSB-08**

Client: NYSEG

Location: Clark Street Former MGP Site
Auburn, NY

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blow Counts	N - Value	Geologic Column	RQD%	Bedrock Fractures	Stratigraphic Description	Well/Boring Construction
0											
630	1	0-2	Grab	0.0	NA	NA				Brown fine SAND, little Silt, fine, medium and coarse Gravel and Organics (roots from 0-1.5' bgs); Silt increases with depth.	
	2	2-4	Grab	0.0	NA	NA					
	3	4-5	Grab	0.0	NA	NA				Silt decreasing.	
5											
625	4	5-7	0.4	0.0	2 2 4 2	6				Brown SILT, little to some fine Sand, little Organics and fine to medium Gravel, moist, non-plastic.	
	5	7-9	0.9	16.5	4 6 9 14	15				Saturated, non-plastic, increasing fine Sand with depth. Trace NAPL blebs from 7.5-7.7' bgs. Brown fine to medium SAND, little to some Silt and fine, medium and coarse Gravel, moderate NAPL blebs, MGP-like odor, sheen (7.7-7.9' bgs). Auger refusal at 9' bgs.	Borehole backfilled to grade with bentonite/cement grout.
10										Begin coring at 9' bgs.	
620	BR1	9-14	31"	0.0	NA	NA		70	HZ HZ HZ HZ	Gray LIMESTONE, horizontal fractures at 9.5', 9.6', 9.9', 10.3' and 11.3' bgs, trace NAPL blebs/sheen at all fractures.	
15										Coring terminated at 14' bgs.	

Remarks: bgs = below ground surface; NA = not applicable/available; AMSL = above mean sea level; MGP = manufactured gas plant; NAPL = non-aqueous phase liquid.

Geotechnical samples collected from 0-5' bgs and 5-9' bgs.

Blow counts are not available above 5' bgs due to hand clearing.

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Date Start/Finish: 9/23/2011 - 10/5/2011
Drilling Company: Parratt Wolff
Driller's Name: Brad Palmer
Drilling Method: Hollow Stem Auger
Casing Diameter: 4.25" ID
Rig Type: CME-55
Sampling Method: 2" x 2' Split Spoon

Northing: 821012.1
Easting: 1068297

Borehole Depth: 11.3' bgs
Surface Elevation: 632.89' AMSL

Descriptions By: Marcus Eriksson

Well/Boring ID: **CSB-09**

Client: NYSEG

Location: Clark Street Former MGP Site
Auburn, NY

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blow Counts	N - Value	Geologic Column	Stratigraphic Description	Well/Boring Construction
635									
0	1	0-2	Grab	0.0	NA	NA		Brown fine SAND, little Silt, Cobbles (increasing with depth), fine, medium and coarse Gravel and Organics (0-1' bgs), moist, non-plastic.	
								Cobbles begin at 1.5' bgs and get more coarse and prevalent with depth.	
630	2	2-4	Grab	0.0	NA	NA			
	3	4-5	Grab	0.0	NA	NA			
5	4	5-7	1.2	0.0	9 8 7 6	15		Gray/brown fine to medium SAND, little fine to medium Gravel, Organics (peat, roots) and Silt, saturated, non-plastic. Faint MGP or degraded petroleum odor, trace sheen.	Borehole backfilled to grade with bentonite/cement grout.
								Very loose, slough, saturated, non-plastic, faint odor.	
625	5	7-9	0.4	0.0	6 3 4 3	7			
								Moderate to heavy NAPL blebs throughout, sheen, MGP-like odor.	
10	6	9-11	1.0	143	4 4 26 34	30		Soils becoming more stiff, transition to till at approximately 9.6' bgs.	
	7	11-13	0.4	6.8	75/4"	NA		BEDROCK, auger refusal at 11.3' bgs.	
620								End of boring at 11.3' bgs.	
15									

Remarks: bgs = below ground surface; NA = not applicable/available; AMSL = above mean sea level; MGP = manufactured gas plant; NAPL = non-aqueous phase liquid.

Geotechnical samples collected from 0-5' bgs, 5-9' bgs and 9-11.3' bgs.

Blow counts are not available above 5' bgs due to hand clearing.

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Date Start/Finish: 9/22/2011 - 9/29/2011
Drilling Company: Parratt Wolff
Driller's Name: Brad Palmer
Drilling Method: Hollow Stem Auger
Casing Diameter: 4.25" ID
Rig Type: CME-55
Sampling Method: 2" x 2' Split Spoon

Northing: 821012.9
Easting: 1068205

Borehole Depth: 10.2' bgs
Surface Elevation: 632.73' AMSL

Descriptions By: Marcus Eriksson

Well/Boring ID: **CSB-10**

Client: NYSEG

Location: Clark Street Former MGP Site
Auburn, NY

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blow Counts	N - Value	Geologic Column	Stratigraphic Description	Well/Boring Construction
635									
0	1	0-2	Grab	679	NA	NA		Dark brown/gray fine SAND, some fine, medium and coarse Gravel, little Silt and Cobbles.	
630	2	2-4	Grab	3082	NA	NA		Moderate to heavy MGP-like odor, trace NAPL blebs, sheen; soil exhibits black/gray staining. Cobbles increasing with depth.	
	3	4-5	Grab	72.3	NA	NA			
5	4	5-7	NR	NA	1 1 1 3	2		Brown-gray fine, medium and coarse subangular Gravel, little fine, medium and coarse Sand, trace Silt, loose, heavy rainbow sheen, strong MGP odor, wet.	Borehole backfilled to grade with bentonite/cement grout.
625	5	7-9	1.5	60.3 30.9	7 4 4 5	8		Brown SILT, trace fine Sand, non-plastic, stiff, heavy rainbow sheen on the outside of the sample, strong MGP odor, moist.	
10	6	9-10	NR	NA	10 15	NA		Brown NAPL blebs on slough in spoon. Auger refusal at 10.2' bgs.	
	7	10-11	NR	NA	50/2"	NA		End of boring at 10.2' bgs.	
620									
15									

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Remarks: bgs = below ground surface; NA = not applicable/available; AMSL = above mean sea level; MGP = manufactured gas plant; NAPL = non-aqueous phase liquid; VOC = volatile organic compound; SVOC = semi-volatile organic compound; NR = no recovery.

Geotechnical samples collected from 0-5' bgs and 7-9' bgs.
VOC/SVOC sample collected from 7-9' bgs.

Blow counts are not available above 5' bgs due to hand clearing.

Date Start/Finish: 9/22/2011 - 10/3/2011
Drilling Company: Parratt Wolff
Driller's Name: Brad Palmer
Drilling Method: Hollow Stem Auger
Casing Diameter: 4.25" ID
Rig Type: CME-55
Sampling Method: 2" x 2' Split Spoon

Northing: 820936.7
Easting: 1068192

Borehole Depth: 13' bgs
Surface Elevation: 632.82' AMSL

Descriptions By: Marcus Eriksson

Well/Boring ID: **CSB-11**

Client: NYSEG

Location: Clark Street Former MGP Site
Auburn, NY

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blow Counts	N - Value	Geologic Column	Stratigraphic Description	Well/Boring Construction
635									
0	1	0-2	Grab	0.0	NA	NA		Dark brown fine SAND, little to some fine, medium and coarse Gravel and Silt.	
630	2	2-4	Grab	229	NA	NA		Dark brown/gray SAND and SILT, little Clay and fine, medium and coarse Gravel, trace red Brick, moist, non-plastic, Wood plank at 3.0' bgs, Cobbles below (possible structure). Moderate MGP-like odor and trace NAPL blebs below wood and blocks; slag at 3' bgs.	
	3	4-5	Grab	665	NA	NA		Strong MGP-like odor at 4-5' bgs; heavy black staining, trace NAPL blebs, moist, non-plastic.	
5	4	5-7	0.8	0.0	6 7 2 3	9		Gray-brown fine to medium SAND, little to some Silt and fine, medium and coarse Gravel, trace Clay, moist, non-plastic.	
625	5	7-9	1.0	36.7	5 5 4 4	9		Clay increasing between 8' and 9' bgs. Little NAPL blebs on shoe and bottom of sample (~8.5-9' bgs); moderate MGP-like odor.	Borehole backfilled to grade with bentonite/cement grout.
10	6	9-11	2.0	15.7	14 26 12 12	38		Little to some NAPL blebs, heavy sheen, odor from 9' to 10.5' bgs.	
620	7	11-13	2.0	7.6	11 16 41 50/3"	57		Brown fine SAND and fine, medium and coarse subangular GRAVEL (till material), moist, non-plastic. Very stiff, MGP-like impacts in slough above till.	
								End of boring at 13' bgs.	
15									

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Remarks: bgs = below ground surface; NA = not applicable/available; AMSL = above mean sea level; MGP = manufactured gas plant; NAPL = non-aqueous phase liquid.

Geotechnical samples collected from 2-5' bgs and 10.5-13' bgs.

Blow counts are not available above 5' bgs due to hand clearing.

Date Start/Finish: 9/23/2011 - 10/4/2011
Drilling Company: Parratt Wolff
Driller's Name: Brad Palmer
Drilling Method: Hollow Stem Auger
Casing Diameter: 4.25" ID
Rig Type: CME-55
Sampling Method: 2" x 2' Split Spoon

Northing: NA
Easting: NA

Borehole Depth: 10.9' bgs
Surface Elevation: NA

Descriptions By: Marcus Eriksson

Well/Boring ID: **CSB-12**

Client: NYSEG

Location: Clark Street Former MGP Site
Auburn, NY

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blow Counts	N - Value	Geologic Column	RQD%	Bedrock Fractures	Stratigraphic Description	Well/Boring Construction
0 / 0	1	0-2	Grab	0.0	NA	NA				Brown fine SAND, little Silt, fine, medium and coarse Gravel, Organics (roots from 0-2' bgs), and Cobbles, moist, non-plastic.	
	2	2-4	Grab	0.0	NA	NA				Brown fine SAND and SILT, little fine, medium and coarse Gravel, trace red Brick, Clay and Coal, moist, non-plastic; faint MGP-like odor.	
	3	4-5	Grab	0.0	NA	NA					
5 / -5	4	5-7	1.2	37.2	WH WH 2-2	NA				Little NAPL blebs, heavy odor and sheen from 5.8-6.2' bgs.	
										Heavy NAPL coating	
	5	7-9	2.0	95.9	14 14 16 15	30				Gray-brown fine SAND and fine, medium and coarse GRAVEL, very stiff (till), moist, non-plastic.	
										Weathered BEDROCK at 9.7' bgs.	
10 / -10	6	9-11	0.6	17.8	47 50/2"	NA				Auger refusal at 10.9' bgs.	
									HZ	Begin coring at 11' bgs.	
	BR1	11-16	45"	0.0	NA	NA		44	HZ HZ HZ HZ HZ HZ	Gray LIMESTONE, ~1-2 mm laminations throughout, horizontal fractures at 10.3', 11.6', 12.5', 12.6', 12.9' to 13.2', 13.6', 13.7', 14.0', 14.4' and 14.6' bgs.	
										Sediment in fracture at 14' bgs; began losing recirculation water at 14' bgs; NAPL observed in recirculation water at 14' bgs.	
15 / -15										Coring terminated at 16' bgs.	

Borehole backfilled to grade with bentonite/cement grout.

Remarks: bgs = below ground surface; NA = not applicable/available; MGP = manufactured gas plant; NAPL = non-aqueous phase liquid; mm = millimeter; WH = weight of hammer.

Geotechnical samples collected from 0-2' bgs and 2-5' bgs.

Blow counts are not available above 5' bgs due to hand clearing.

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Attachment 3

Data Usability Summary Report
(on CD)

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Imagine the result

NYSEG Clark Street

Data Usability Summary Report (DUSR)

AUBURN, NEW YORK

Volatile and Semivolatile Organic Compounds
(VOCs and SVOCs) Analyses

SDG #s: 480-10509 and 480-10578

Analyses Performed By:
TestAmerica Laboratories
Buffalo, New York

Report #: 15106R
Review Level: Tier III
Project: B0013091.0004.00130

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Groups (SDGs) # 480-10509 and 480-10578 for samples collected in association with the NYSEG Clark Street site in Auburn, New York. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

SDG	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
						VOC	SVOC	PCB	MET	MISC
480-10509	SB-10 (7-9)	480-10509-2	Soil	9/29/2011		X	X			
	SB-03 (9-12)	480-10509-3	Soil	9/29/2011		X	X			
	SB-02 (12-14)	480-10509-4	Soil	9/29/2011		X	X			
	SB-04 (7-9)	480-10509-5	Soil	9/29/2011		X	X			
	TRIP BLANK	480-10509-6	Water	9/29/2011		X				
480-10578	SB-01 (10.9-11.9)	480-10578-1	Soil	9/30/2011		X	X			
	TB	480-10578-2	Water	9/30/2011		X				

Note: Sample results were reported on a dry-weight basis.

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 8260B and 8270C as referenced in NYSDEC-ASP. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999 and USEPA Region II SOPs associated with USEPA SW-846 Validating Volatile Organic Compounds by GC/MS SW-846 Method 8260B (SOP HW-24 Revision 2, October 2006) and Validating Semivolatile Organic Compounds by GC/MS SW-846 Method 8270D (SOP HW-22 Revision 3, October 2006).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

  R The sample results are rejected as unusable. The compound may or may not be present in the sample.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Water	14 days from collection to analysis	Cool to 4±2 °C; pH < 2 with HCl
	Soil	48 hours from collection to extraction and 14 days from collection to analysis	Cool to 4±2 °C

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e. laboratory method blanks, trip blanks, and equipment rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure sample storage contamination. Rinse blanks also measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Target compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration (ICV)

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99, and a RRF value greater than control limit (0.05).

4.2 Continuing Calibration (CCV)

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within the control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC analysis exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard area counts were within the control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The spiked compounds used in the MS/MSD analysis must exhibit recoveries within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS and MSD results must be within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSDs performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD spiking concentration by a factor of four or greater. Sample results associated with MS/MSD exceedances where the parent samples are not site-specific are not qualified.

The MS/MSD analysis was not performed on a sample location within these SDGs.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The spiked compounds used in the LCS analysis must exhibit recoveries within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Sample Analysis

The field duplicate sample analysis is used to assess the precision of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to five times the reporting limit (RL), a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Field duplicate samples were not collected as part of this dataset.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8260B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment/Field blanks					X
C. Trip blanks		X		X	
Laboratory Control Sample (LCS) Accuracy (%R)		X		X	
Laboratory Control Sample Duplicate (LCSD) %R					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS) %R					X
Matrix Spike Duplicate (MSD) %R					X
MS/MSD Precision RPD					X
Field/Laboratory Duplicate Sample RPD					X
Surrogate Spike %R		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Quantitation transcriptions/calculations		X		X	
E. Reporting limits adjusted for sample dilutions		X		X	

%R Percent recovery
RPD Relative percent difference
%RSD Relative standard deviation
%D Percent difference

SEMIVOLATILE ORGANIC COMPOUND (SVOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8270C	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to 4±2 °C
	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cool to 4±2 °C

All samples were extracted and analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e. laboratory method blanks and equipment rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Target compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution are acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration Verification (ICV)

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration Verification (CCV)

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. SVOC analysis requires that two of the three SVOC surrogate compounds within each fraction exhibit recoveries within the laboratory-established acceptance limits, and that all SVOC surrogate recoveries be greater than ten percent.

All surrogate recoveries were within the control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the SVOC analysis exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within the control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit recoveries within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS and MSD results must be within the laboratory-established or analytical method-referenced acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater. Sample results associated with MS/MSD exceedances where the parent samples are not site-specific are not qualified.

The MS/MSD analysis was not performed on a sample location within these SDGs.

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit recoveries and relative percent differences (RPDs) between the LCS and LCSD results within the laboratory-established or analytical method-referenced acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the method-referenced control limits.

9. Field Duplicate Sample Analysis

The field duplicate sample analysis is used to assess the precision of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to five times the reporting limit (RL), a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Field duplicate samples were not collected as part of this dataset.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

Sample results associated with compounds that exhibited concentrations greater than the linear range of the instrument calibration are summarized in the following table.

Sample ID	Compounds	Original Analysis	Diluted Analysis	Reported Analysis
SB-10 (7-9)	Acenaphthene	6700 E	6200	6200 D
	Naphthalene	19000 E	22000	22000 D
	Phenanthrene	11000 E	11000	11000 D
	Pyrene	6600 E	6600	6600 D

Note: In the instance where both the original analysis and the diluted analysis sample results exhibited a concentration greater than and/or less than the calibration linear range of the instrument; the sample result exhibiting the greatest concentration will be reported as the final result.

Sample results associated with compounds exhibiting concentrations greater than the linear range are qualified as documented in the table below when reported as the final reported sample result.

Reported Sample Results	Qualification
Diluted sample result within calibration range	D
Diluted sample result < the calibration range	DJ
Diluted sample result > the calibration range	EDJ
Original sample result > the calibration range	EJ

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR SVOCs

SVOCs: SW-846 8270C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding Times		X		X	
Reporting Limits (units)		X		X	
Blanks					
A. Method Blanks		X		X	
B. Equipment/Field Blanks					X
Laboratory Control Sample (LCS) Accuracy (%R)		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R					X
Matrix Spike Duplicate (MSD) %R					X
MS/MSD RPD					X
Field/Laboratory Duplicate Sample RPD					X
Surrogate Spike %R		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
System Performance and Column Resolution		X		X	
Initial Calibration %RSDs		X		X	
Continuing Calibration RRFs		X		X	
Continuing Calibration %Ds		X		X	
Instrument Tune and Performance Check		X		X	
Ion Abundance Criteria for Each Instrument Used		X		X	
Internal Standards		X		X	
Compound Identification and Quantitation					
A. Reconstructed Ion Chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of Sample Compounds Within the Established RT Windows		X		X	
D. Quantitation transcriptions/calculations		X		X	
E. Reporting Limits Adjusted for Sample Dilutions		X		X	

%R Percent Recovery
RPD Relative Percent Difference
%RSD Relative Standard Deviation
%D Percent Difference

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]					Noncompliance
					VOC	SVOC	PCB	MET	MISC	
480-10509	9/29/2011	SW846	SB-10 (7-9)	Soil	Yes	Yes	--	--	--	
	9/29/2011	SW846	SB-03 (9-12)	Soil	Yes	Yes	--	--	--	
	9/29/2011	SW846	SB-02 (12-14)	Soil	Yes	Yes	--	--	--	
	9/29/2011	SW846	SB-04 (7-9)	Soil	Yes	Yes	--	--	--	
	9/29/2011	SW846	TRIP BLANK	Water	Yes	--	--	--	--	
480-10578	9/30/2011	SW846	SB-01 (10.9-11.9)	Soil	Yes	Yes	--	--	--	
	9/30/2011	SW846	TB	Water	Yes	--	--	--	--	

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable

Validation Performed By: Dennis Dyke

Signature: 

Date: November 28, 2011

Peer Review: Dennis Capria

Date: December 4, 2011

CHAIN OF CUSTODY /
CORRECTED SAMPLE ANALYSIS DATA SHEETS

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: LEVIA TERRELL	Lab PM: Giglia, Denise	Carrier Tracking No(s):	COC No: 480-16552-3935.2
Client Contact: Laura Zuranski	Phone: 315 - 263 - 7167	E-Mail: denise.giglia@testamericainc.com		Page: Page 2 of 2
Company: ARCADIS U.S., Inc.				Job #:
Address: 6723 Towpath PO BOX 66	Due Date Requested:			
City: Syracuse	TAT Requested (days): RAPID (2 DAYS) ~~STANDARD~~			
State, Zip: NY, 13214-0066				
Phone: 315 446 9120	PO #: 4700141260			
Email: LAURA.ZURANSKI@ARCADIS-US.COM	WO #: CLARK ST Auburn-McMaster/John Rusp			
Project Name: NYSEG ~~Water~~ Street Sediment Analysis	Project #: 48003612			
Site: NYSEG CLARK STREET	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - BTEX - 8260	8270C - (MOD) PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N		
SB-12 (10.2 - 12.2)	9-28-11	1330	C	Solid			X	X	3	
SB-10 (7 - 9)	9-29-11	0850	C	Solid			X	X	3	
SB-03 (9 - 12)	9-29-11	1200	C	Solid			X	X	3	
SB-02 (12 - 14)	9-29-11	1415	C	Solid			X	X	3	
SB-04 (7 - 9)	9-29-11	1535	C	Solid			X	X	3	
TRIPBLANK	9-29-11	—	—	Solid			X		1	
				Solid						
				Solid						
				Solid						

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	9/29/2011 1730	ARCADIS	[signature]	09-30-11, 17:30	Syr
[signature]	09-30-11, 19:00	Syr	[signature]	10-1-11 0930	Rus
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.7

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10/24/2011

Client: ARCADIS U.S. Inc

Job Number: 480-10509-1

Client Sample ID: **SB-10 (7-9)**

Lab Sample ID: 480-10509-2
Client Matrix: Solid

% Moisture: 13.6

Date Sampled: 09/29/2011 0850
Date Received: 09/30/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33788	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	480-33785	Lab File ID:	N1657.D
Dilution:	1.0			Initial Weight/Volume:	5.49 g
Analysis Date:	10/04/2011 0057			Final Weight/Volume:	500 mL
Prep Date:	10/03/2011 1742				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		1000		5.1	110
Toluene		ND		28	110
Ethylbenzene		4000		31	110
m-Xylene & p-Xylene		980		58	210
o-Xylene		380		14	110
Xylenes, Total		1400		18	210

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	126		53 - 146
Toluene-d8 (Surr)	114		50 - 149
4-Bromofluorobenzene (Surr)	120		49 - 148

Client: ARCADIS U.S. Inc

Job Number: 480-10509-1

Client Sample ID: **SB-03 (9-12)**

Lab Sample ID: 480-10509-3
Client Matrix: Solid
% Moisture: 10.7

Date Sampled: 09/29/2011 1200
Date Received: 09/30/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33610	Instrument ID:	HP5973F
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	F4341.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	10/01/2011 2209			Final Weight/Volume:	5 mL
Prep Date:	10/01/2011 2209				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		ND		0.27	5.6
Toluene		ND		0.42	5.6
Ethylbenzene		ND		0.39	5.6
m-Xylene & p-Xylene		ND		0.94	11
o-Xylene		ND		0.73	5.6
Xylenes, Total		ND		0.94	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
Toluene-d8 (Surr)	100		71 - 125
4-Bromofluorobenzene (Surr)	96		72 - 126

Client: ARCADIS U.S. Inc

Job Number: 480-10509-1

Client Sample ID: **SB-02 (12-14)**

Lab Sample ID: 480-10509-4
Client Matrix: Solid

% Moisture: 10.5

Date Sampled: 09/29/2011 1415
Date Received: 09/30/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33610	Instrument ID:	HP5973F
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	F4342.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Analysis Date:	10/01/2011 2235			Final Weight/Volume:	5 mL
Prep Date:	10/01/2011 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		ND		0.27	5.6
Toluene		ND		0.42	5.6
Ethylbenzene		ND		0.38	5.6
m-Xylene & p-Xylene		ND		0.94	11
o-Xylene		ND		0.73	5.6
Xylenes, Total		ND		0.94	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
Toluene-d8 (Surr)	102		71 - 125
4-Bromofluorobenzene (Surr)	95		72 - 126

Client: ARCADIS U.S. Inc

Job Number: 480-10509-1

Client Sample ID: **SB-04 (7-9)**

Lab Sample ID: 480-10509-5
Client Matrix: Solid
% Moisture: 17.5

Date Sampled: 09/29/2011 1535
Date Received: 09/30/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-34011	Instrument ID:	HP5973F
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	F4408.D
Dilution:	1.0			Initial Weight/Volume:	5.07 g
Analysis Date:	10/05/2011 1345			Final Weight/Volume:	5 mL
Prep Date:	10/05/2011 1345				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		ND		0.29	6.0
Toluene		ND		0.45	6.0
Ethylbenzene		1.0	J	0.41	6.0
m-Xylene & p-Xylene		2.4	J	1.0	12
o-Xylene		ND		0.78	6.0
Xylenes, Total		2.4	J	1.0	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		64 - 126
Toluene-d8 (Surr)	100		71 - 125
4-Bromofluorobenzene (Surr)	100		72 - 126

Client: ARCADIS U.S. Inc

Job Number: 480-10509-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 480-10509-6TB
Client Matrix: Water

Date Sampled: 09/29/2011 0000
Date Received: 09/30/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33553	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G6384.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2011 0658			Final Weight/Volume:	5 mL
Prep Date:	10/01/2011 0658				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	ND		0.41	1.0
Toluene	ND		0.51	1.0
o-Xylene	ND		0.76	1.0
Ethylbenzene	ND		0.74	1.0
m-Xylene & p-Xylene	ND		0.66	2.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	128		66 - 137
Toluene-d8 (Surr)	117		71 - 126
4-Bromofluorobenzene (Surr)	105		73 - 120

Client: ARCADIS U.S. Inc

Job Number: 480-10509-1

Client Sample ID: **SB-10 (7-9)**

Lab Sample ID: 480-10509-2
Client Matrix: Solid

% Moisture: 13.6

Date Sampled: 09/29/2011 0850
Date Received: 09/30/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-33584	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-33544	Lab File ID:	V5782.D
Dilution:	1.0			Initial Weight/Volume:	+30.46 g
Analysis Date:	10/03/2011 0052			Final Weight/Volume:	1 mL
Prep Date:	09/30/2011 1659			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		~~6700~~ 6200	E D	2.3	190
Acenaphthylene		830		1.6	190
Anthracene		3300		4.9	190
Benz(a)anthracene		2300		3.3	190
Benzo(a)pyrene		2500		4.6	190
Benzo(b)fluoranthene		1700		3.7	190
Benzo(g,h,i)perylene		1700		2.3	190
Benzo(k)fluoranthene		920		2.1	190
Chrysene		2200		1.9	190
Dibenz(a,h)anthracene		340		2.3	190
Fluoranthene		5100		2.8	190
Fluorene		2700		4.4	190
Indeno(1,2,3-c,d)pyrene		1200		5.3	190
Naphthalene		~~19000~~ 22000	E D	3.2	190
Phenanthrene		~~11000~~ 11000	E D	4.0	190
Pyrene		~~6600~~ 6600	E D	1.2	190
2-Methylnaphthalene		5100		2.3	190
Dibenzofuran		290		2.0	190

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	91		34 - 132
2-Fluorobiphenyl	99		37 - 120
p-Terphenyl-d14	115		58 - 147

Client: ARCADIS U.S. Inc

Job Number: 480-10509-1

Client Sample ID: SB-10 (7-9)

Lab Sample ID: 480-10509-2
Client Matrix: Solid
% Moisture: 13.6

Date Sampled: 09/29/2011 0850
Date Received: 09/30/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-33642	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-33544	Lab File ID:	V5809.D
Dilution:	10			Initial Weight/Volume:	+30.46 g
Analysis Date:	10/03/2011 1137	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	09/30/2011 1659			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		6200		23	1900
Acenaphthylene		550	J	16	1900
Anthracene		2900		49	1900
Benz(a)anthracene		2000		33	1900
Benzo(a)pyrene		2200		46	1900
Benzo(b)fluoranthene		1500	J	37	1900
Benzo(g,h,i)perylene		1200	J	23	1900
Benzo(k)fluoranthene		910	J	21	1900
Chrysene		1900		19	1900
Dibenz(a,h)anthracene		350	J	23	1900
Fluoranthene		4600		28	1900
Fluorene		2300		44	1900
Indeno(1,2,3-c,d)pyrene		850	J	53	1900
Naphthalene		22000		32	1900
Phenanthrene		11000		40	1900
Pyrene		6600		12	1900
2-Methylnaphthalene		4600		23	1900
Dibenzofuran		ND		20	1900

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	74		34 - 132
2-Fluorobiphenyl	88		37 - 120
p-Terphenyl-d14	106		58 - 147

Client: ARCADIS U.S. Inc

Job Number: 480-10509-1

Client Sample ID: **SB-03 (9-12)**

Lab Sample ID: 480-10509-3
Client Matrix: Solid
% Moisture: 10.7

Date Sampled: 09/29/2011 1200
Date Received: 09/30/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-33584	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-33544	Lab File ID:	V5783.D
Dilution:	1.0			Initial Weight/Volume:	+30.85 g
Analysis Date:	10/03/2011 0116			Final Weight/Volume:	1 mL
Prep Date:	09/30/2011 1659			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		2.2	190
Acenaphthylene		ND		1.5	190
Anthracene		ND		4.7	190
Benz(a)anthracene		ND		3.2	190
Benzo(a)pyrene		ND		4.4	190
Benzo(b)fluoranthene		ND		3.6	190
Benzo(g,h,i)perylene		ND		2.2	190
Benzo(k)fluoranthene		ND		2.0	190
Chrysene		ND		1.8	190
Dibenz(a,h)anthracene		ND		2.2	190
Fluoranthene		12	J	2.7	190
Fluorene		ND		4.2	190
Indeno(1,2,3-c,d)pyrene		ND		5.1	190
Naphthalene		ND		3.1	190
Phenanthrene		25	J	3.9	190
Pyrene		20	J	1.2	190
2-Methylnaphthalene		ND		2.2	190
Dibenzofuran		ND		1.9	190

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	89		34 - 132
2-Fluorobiphenyl	96		37 - 120
p-Terphenyl-d14	121		58 - 147

Client: ARCADIS U.S. Inc

Job Number: 480-10509-1

Client Sample ID: SB-02 (12-14)

Lab Sample ID: 480-10509-4
Client Matrix: Solid

% Moisture: 10.5

Date Sampled: 09/29/2011 1415
Date Received: 09/30/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-33584	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-33544	Lab File ID:	V5784.D
Dilution:	1.0			Initial Weight/Volume:	+30.22 g
Analysis Date:	10/03/2011 0140			Final Weight/Volume:	1 mL
Prep Date:	09/30/2011 1659			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		2.2	190
Acenaphthylene		ND		1.5	190
Anthracene		ND		4.8	190
Benz(a)anthracene		ND		3.2	190
Benzo(a)pyrene		ND		4.5	190
Benzo(b)fluoranthene		ND		3.6	190
Benzo(g,h,i)perylene		ND		2.2	190
Benzo(k)fluoranthene		ND		2.1	190
Chrysene		ND		1.9	190
Dibenz(a,h)anthracene		ND		2.2	190
Fluoranthene		ND		2.7	190
Fluorene		ND		4.3	190
Indeno(1,2,3-c,d)pyrene		ND		5.2	190
Naphthalene		ND		3.1	190
Phenanthrene		ND		3.9	190
Pyrene		ND		1.2	190
2-Methylnaphthalene		ND		2.3	190
Dibenzofuran		ND		1.9	190

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	96		34 - 132
2-Fluorobiphenyl	103		37 - 120
p-Terphenyl-d14	131		58 - 147

Client: ARCADIS U.S. Inc

Job Number: 480-10509-1

Client Sample ID: **SB-04 (7-9)**

Lab Sample ID: 480-10509-5
Client Matrix: Solid
% Moisture: 17.5

Date Sampled: 09/29/2011 1535
Date Received: 09/30/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-33584	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-33544	Lab File ID:	V5785.D
Dilution:	1.0			Initial Weight/Volume:	+30.13 g
Analysis Date:	10/03/2011 0203			Final Weight/Volume:	1 mL
Prep Date:	09/30/2011 1659			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		70	J	2.4	210
Acenaphthylene		56	J	1.7	210
Anthracene		50	J	5.2	210
Benz(a)anthracene		110	J	3.5	210
Benzo(a)pyrene		110	J	4.9	210
Benzo(b)fluoranthene		100	J	4.0	210
Benzo(g,h,i)perylene		100	J	2.4	210
Benzo(k)fluoranthene		37	J	2.2	210
Chrysene		99	J	2.0	210
Dibenz(a,h)anthracene		ND		2.4	210
Fluoranthene		190	J	3.0	210
Fluorene		47	J	4.7	210
Indeno(1,2,3-c,d)pyrene		70	J	5.6	210
Naphthalene		75	J	3.4	210
Phenanthrene		120	J	4.3	210
Pyrene		290		1.3	210
2-Methylnaphthalene		19	J	2.5	210
Dibenzofuran		ND		2.1	210

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	75		34 - 132
2-Fluorobiphenyl	82		37 - 120
p-Terphenyl-d14	101		58 - 147

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: LENIA TERRELL	Lab PM: Giglia, Denise	Carrier Tracking No(s):	COC No: 480-16562-3936.2
Client Contact: Laura Zuranski	Phone: 315-263-2167	E-Mail: denise.giglia@testamericainc.com		Page: Page 2 of 2
Company: ARCADIS U.S. Inc		Analysis Requested		Job #:
Address: 6723 Towpath Road BOX 66	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
City: Syracuse	TAT Requested (days): RAPID 2 DAYS			
State, Zip: NY, 13214-0066				
Phone: 315-446-9120	PO #: 4700139973			
Email: Laura.Zuranski@arcadis-us.com	WO #: NYSEG-Clark/John Rusnanti			
Project Name: NYSEG - Auburn Clark Street	Project #: 48003999			
Site: CLARK ST	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - BTEX - 8260	8270C - (MOD) PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
SB-01 (10.9-11.9)	9-30-11	1350	C	Solid			X	X	3	
TB-	-	-	-	Solid			X		1	
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by:	Date/Time	Company
[signature]	9-30-11 1650	ARCADIS	[signature]	09-30-11 16:50	SyA
[signature]	09-30-11 19:00	SyA	[signature]	10/1/11 915	
Relinquished by	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 2.7

Client: ARCADIS U.S. Inc

Job Number: 480-10578-1

Client Sample ID: SB-01 (10.9-11.9)

Lab Sample ID: 480-10578-1
Client Matrix: Solid
% Moisture: 11.0

Date Sampled: 09/30/2011 1330
Date Received: 10/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33646	Instrument ID:	HP5973F
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	F4364.D
Dilution:	1.0			Initial Weight/Volume:	5.12 g
Analysis Date:	10/03/2011 1833			Final Weight/Volume:	5 mL
Prep Date:	10/03/2011 1833				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		ND		0.27	5.5
Toluene		ND		0.41	5.5
Ethylbenzene		ND		0.38	5.5
m-Xylene & p-Xylene		ND		0.92	11
o-Xylene		ND		0.72	5.5
Xylenes, Total		ND		0.92	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
Toluene-d8 (Surr)	101		71 - 125
4-Bromofluorobenzene (Surr)	94		72 - 126

Client: ARCADIS U.S. Inc

Job Number: 480-10578-1

Client Sample ID: TB

Lab Sample ID: 480-10578-2TB

Client Matrix: Water

Date Sampled: 09/30/2011 0000

Date Received: 10/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33651	Instrument ID:	HP5975T
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	T1411.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/03/2011 2011			Final Weight/Volume:	5 mL
Prep Date:	10/03/2011 2011				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	ND		0.41	1.0
Toluene	ND		0.51	1.0
o-Xylene	ND		0.76	1.0
Ethylbenzene	ND		0.74	1.0
Xylenes, Total	ND		0.66	2.0
m-Xylene & p-Xylene	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		66 - 137
Toluene-d8 (Surr)	113		71 - 126
4-Bromofluorobenzene (Surr)	105		73 - 120

Client: ARCADIS U.S. Inc

Job Number: 480-10578-1

Client Sample ID: SB-01 (10.9-11.9)

Lab Sample ID: 480-10578-1
Client Matrix: Solid
% Moisture: 11.0

Date Sampled: 09/30/2011 1330
Date Received: 10/01/2011 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-33818	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-33679	Lab File ID:	V5864.D
Dilution:	1.0			Initial Weight/Volume:	30.83 g
Analysis Date:	10/04/2011 1200			Final Weight/Volume:	1 mL
Prep Date:	10/03/2011 1035			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		2.2	190
Acenaphthylene		ND		1.5	190
Anthracene		ND		4.7	190
Benz(a)anthracene		ND		3.2	190
Benzo(a)pyrene		ND		4.4	190
Benzo(b)fluoranthene		ND		3.6	190
Benzo(g,h,i)perylene		ND		2.2	190
Benzo(k)fluoranthene		ND		2.0	190
Chrysene		ND		1.8	190
Dibenz(a,h)anthracene		ND		2.2	190
Fluoranthene		ND		2.7	190
Fluorene		ND		4.3	190
Indeno(1,2,3-c,d)pyrene		ND		5.1	190
Naphthalene		ND		3.1	190
Phenanthrene		ND		3.9	190
Pyrene		ND		1.2	190
2-Methylnaphthalene		ND		2.2	190
Dibenzofuran		ND		1.9	190

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	68		34 - 132
2-Fluorobiphenyl	80		37 - 120
p-Terphenyl-d14	110		58 - 147

ARCADIS

Attachment 4

Geotechnical Testing Laboratory Report (on CD)

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	---	Tested By:	jef
Sample ID:	---	Test Date:	11/23/11	Checked By:	jdt
Depth :	---	Sample Id:	---		

Moisture Content of Soil - ASTM D 2216-05

Boring ID	Sample ID	Depth	Description	Moisture Content,%
---	CSB-1	8-11.9 ft	Moist, brown silty, clayey sand	9.7
---	CSB-3	5-7 ft	Moist, brown silty, clayey sand with gravel	11.9
---	CSB-3	10-12 ft	Moist, grayish brown silty gravel with sand	5.7
---	CSB-5	0-5 ft	Moist, dark brown sandy clay	19.6
---	CSB-6	5-9 ft	Moist, brown silty sand with gravel	19.5
---	CSB-6	9-12.8 ft	Moist, dark grayish brown sandy silt	12.1

Notes: Temperature of Drying : 110º Celsius

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	---	Tested By:	jef
Sample ID:	---	Test Date:	11/23/11	Checked By:	jdt
Depth :	---	Sample Id:	---		

Moisture Content of Soil - ASTM D 2216-05

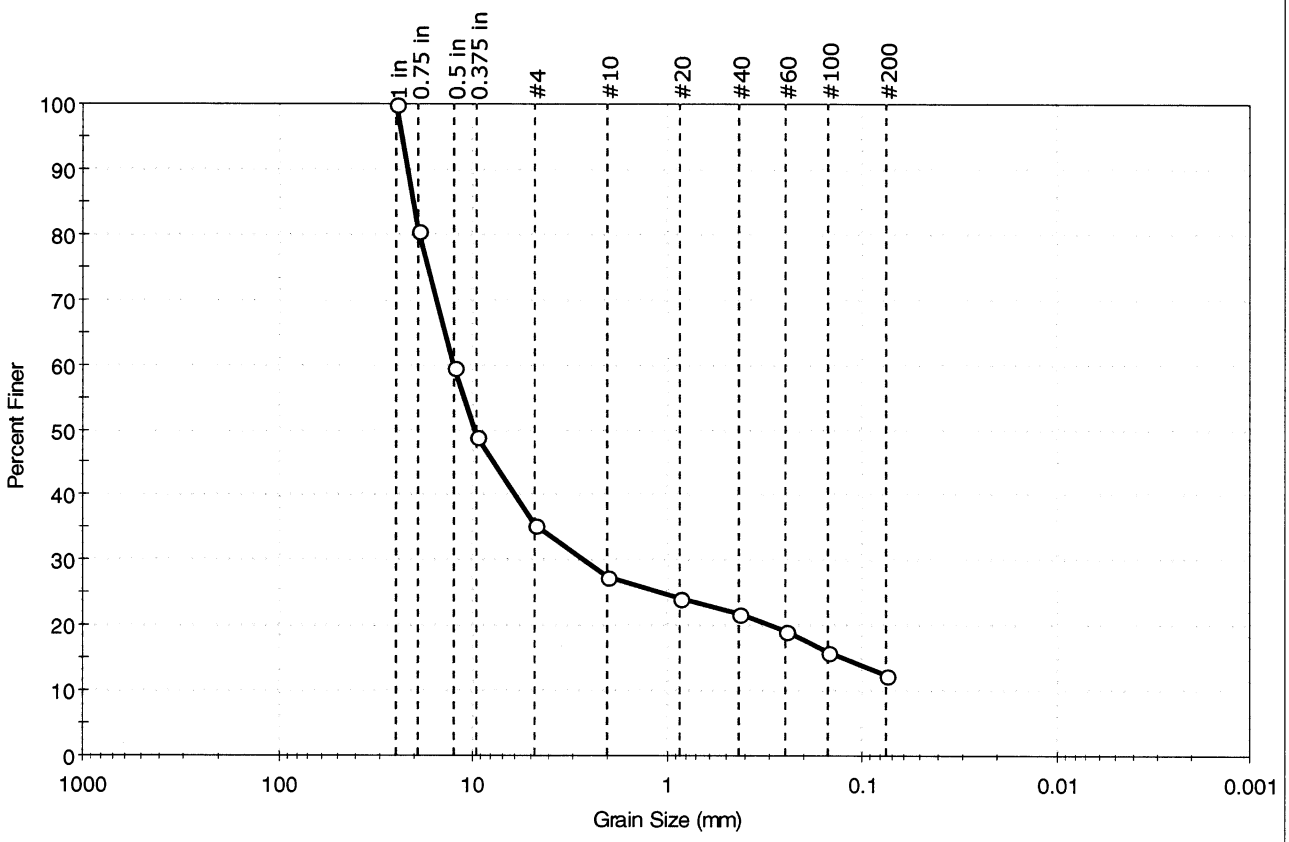
Boring ID	Sample ID	Depth	Description	Moisture Content,%
---	CSB-8	5-9 ft	Moist, dark brown silty gravel with sand	16.6
---	CSB-9	9-11.3 ft	Moist, grayish brown clayey gravel with sand	19.2
---	CSB-10	7-9 ft	Moist, brown sandy silty clay	12.4
---	CSB-12	2-5 ft	Moist, brown clay	19.7
---	CSB-12	7-9.7 ft	Moist, light brown silty gravel with sand	7.4

Notes: Temperature of Drying : 110º Celsius

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	CSB-1	Test Date:	11/17/11	Checked By:	jdt
Depth :	0-4 ft	Test Id:	223122		
Test Comment:	---				
Sample Description:	Moist, dark brown silty gravel with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	64.6	22.9	12.5

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	81		
0.5 in	12.50	60		
0.375 in	9.50	49		
#4	4.75	35		
#10	2.00	27		
#20	0.85	24		
#40	0.42	22		
#60	0.25	19		
#100	0.15	16		
#200	0.075	13		

Coefficients

D_{85} = 20.2056 mm D_{30} = 2.6442 mm

D_{60} = 12.6130 mm D_{15} = 0.1262 mm

D_{50} = 9.7714 mm D_{10} = 0.0442 mm

C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-a (0))

Sample/Test Description

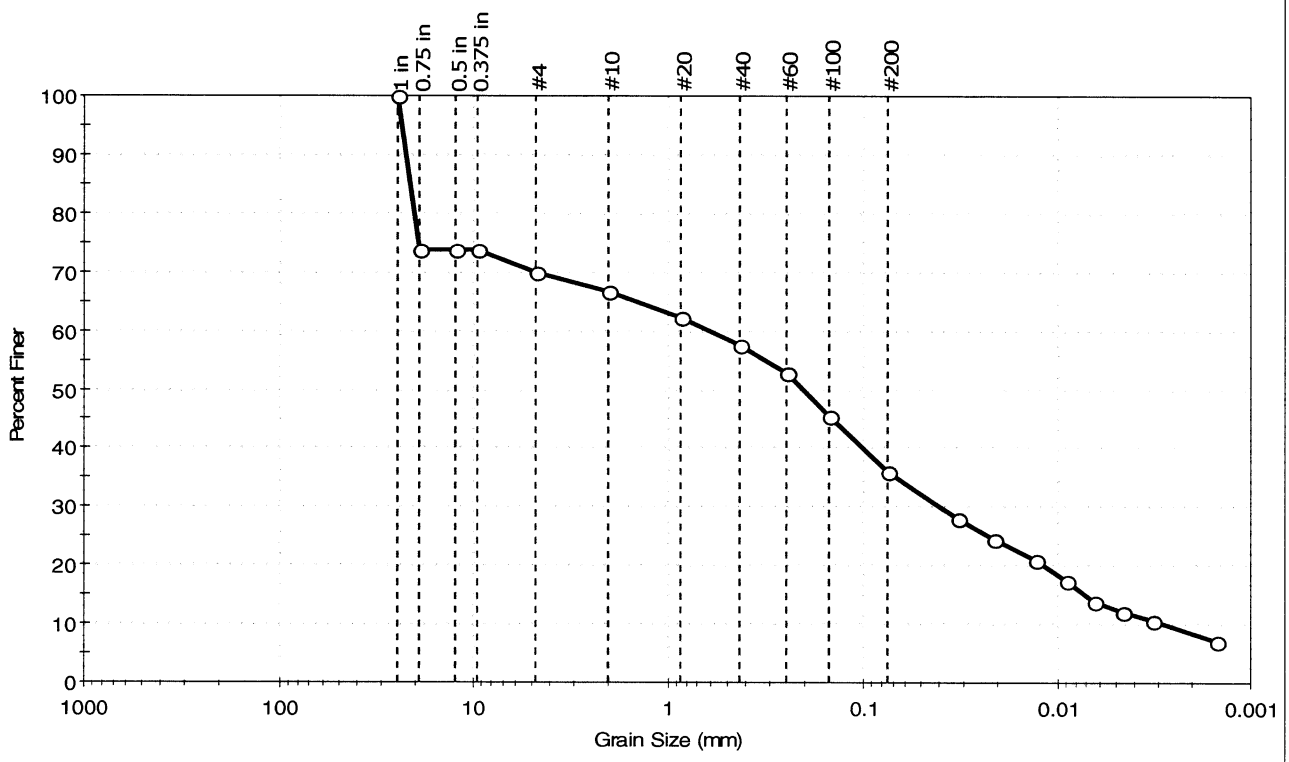
Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	CSB-3	Test Date:	11/21/11	Checked By:	jdt
Depth :	5-7 ft	Test Id:	223254		
Test Comment:	---				
Sample Description:	Moist, brown silty, clayey sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	30.0	33.8	36.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	74		
0.5 in	12.50	74		
0.375 in	9.50	74		
#4	4.75	70		
#10	2.00	67		
#20	0.85	62		
#40	0.42	58		
#60	0.25	53		
#100	0.15	45		
#200	0.075	36		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0327	28		
---	0.0214	24		
---	0.0127	21		
---	0.0090	17		
---	0.0065	14		
---	0.0046	12		
---	0.0033	10		
---	0.0015	7		

Coefficients

D_{85} = 21.3738 mm	D_{30} = 0.0403 mm
D_{60} = 0.6026 mm	D_{15} = 0.0071 mm
D_{50} = 0.2074 mm	D_{10} = 0.0029 mm
C_u = N/A	C_c = N/A

Classification

ASTM Silty, clayey sand with gravel (SC-SM)

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

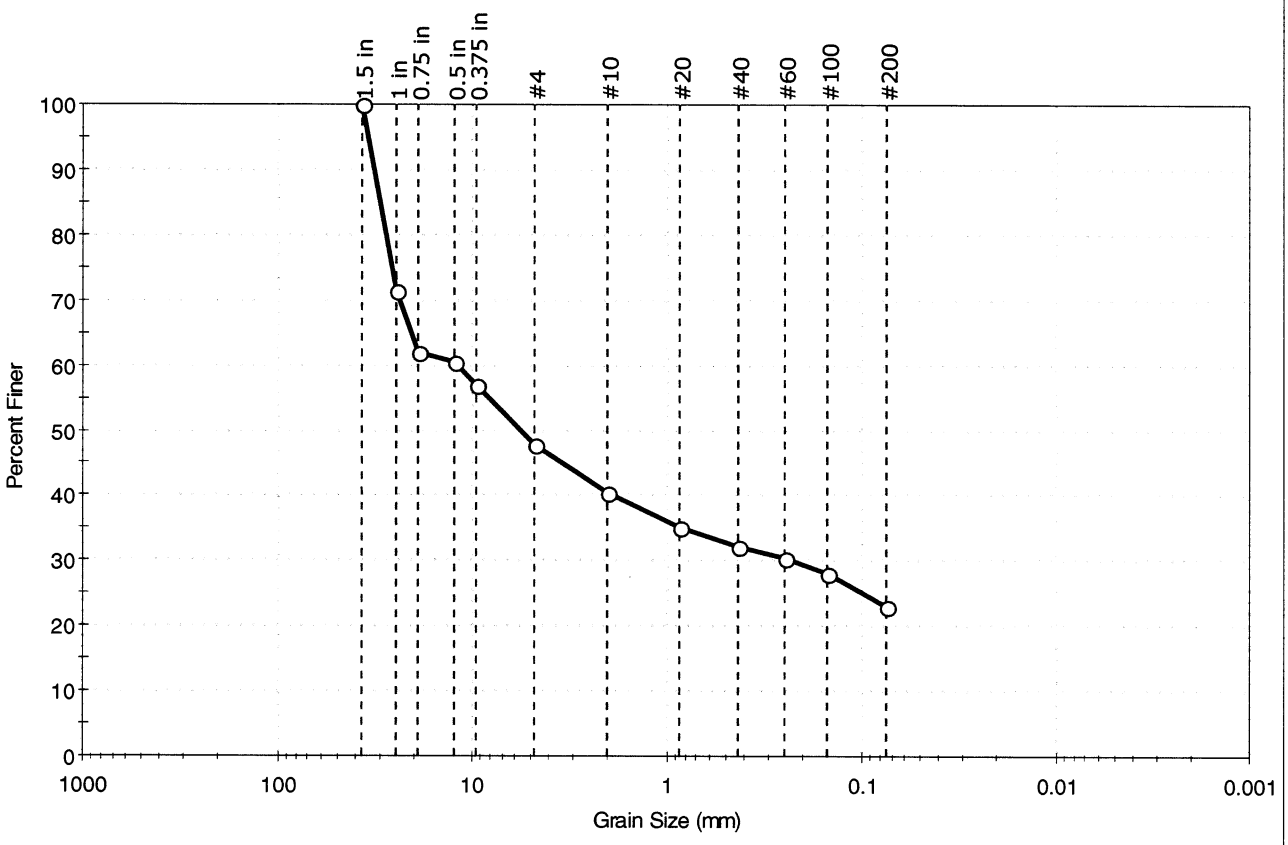
Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	CSB-3	Test Date:	11/17/11	Checked By:	jdt
Depth :	10-12 ft	Test Id:	223123		
Test Comment:	---				
Sample Description:	Moist, grayish brown silty gravel with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	52.2	24.7	23.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.5 in	37.50	100		
1 in	25.00	71		
0.75 in	19.00	62		
0.5 in	12.50	60		
0.375 in	9.50	57		
#4	4.75	48		
#10	2.00	40		
#20	0.85	35		
#40	0.42	32		
#60	0.25	30		
#100	0.15	28		
#200	0.075	23		

Coefficients

D_{85} = 30.3273 mm	D_{30} = 0.2255 mm
D_{60} = 12.1639 mm	D_{15} = N/A
D_{50} = 5.5971 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

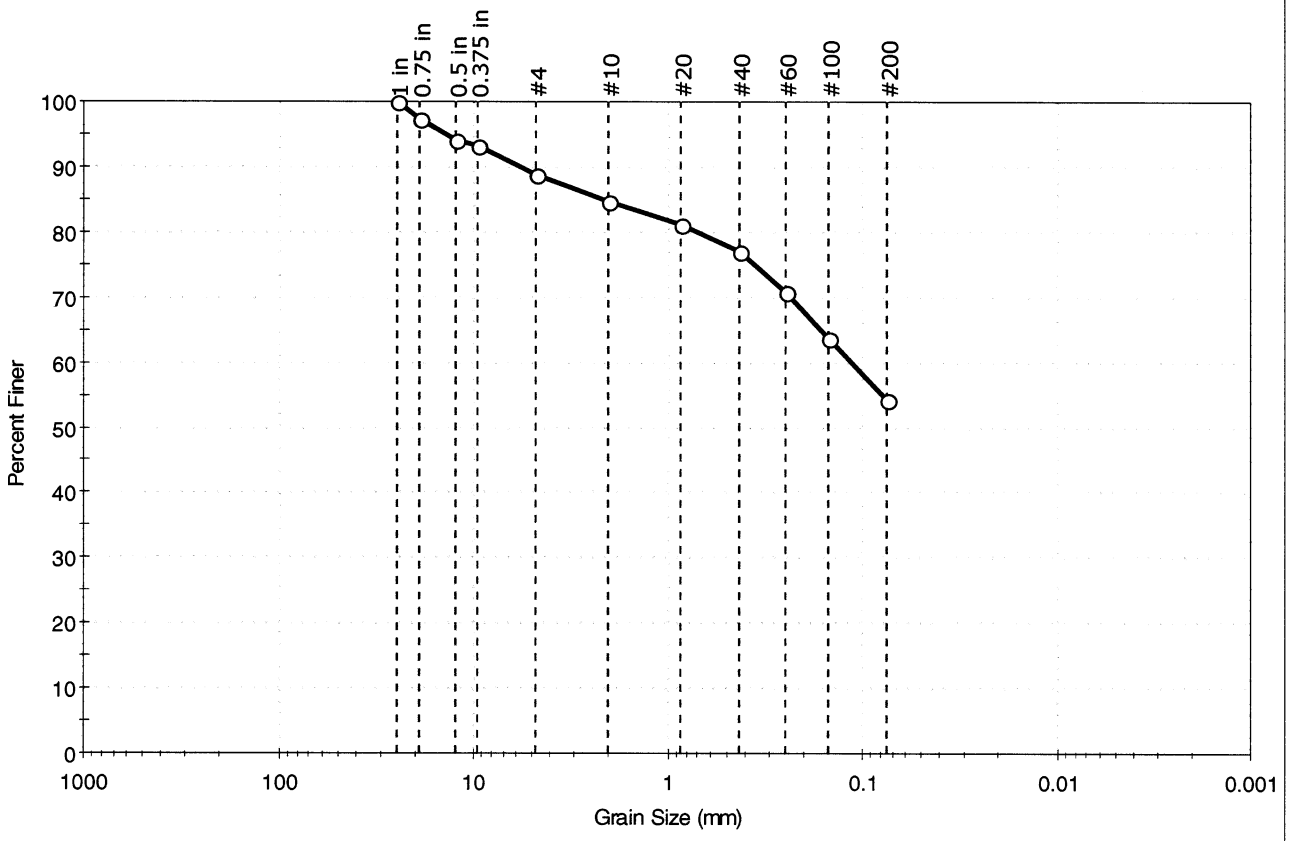
Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	CSB-5	Test Date:	11/21/11	Checked By:	jdt
Depth :	0-5 ft	Test Id:	223124		
Test Comment:	---				
Sample Description:	Moist, dark brown sandy clay				
Sample Comment:	--				

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



%Cobble	%Gravel	%Sand	%Silt & Clay Size
—	11.3	34.5	54.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	97		
0.5 in	12.50	94		
0.375 in	9.50	93		
#4	4.75	89		
#10	2.00	85		
#20	0.85	81		
#40	0.42	77		
#60	0.25	71		
#100	0.15	64		
#200	0.075	54		

Coefficients

D_{85} = 2.1806 mm	D_{30} = N/A
D_{60} = 0.1143 mm	D_{15} = N/A
D_{50} = N/A	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

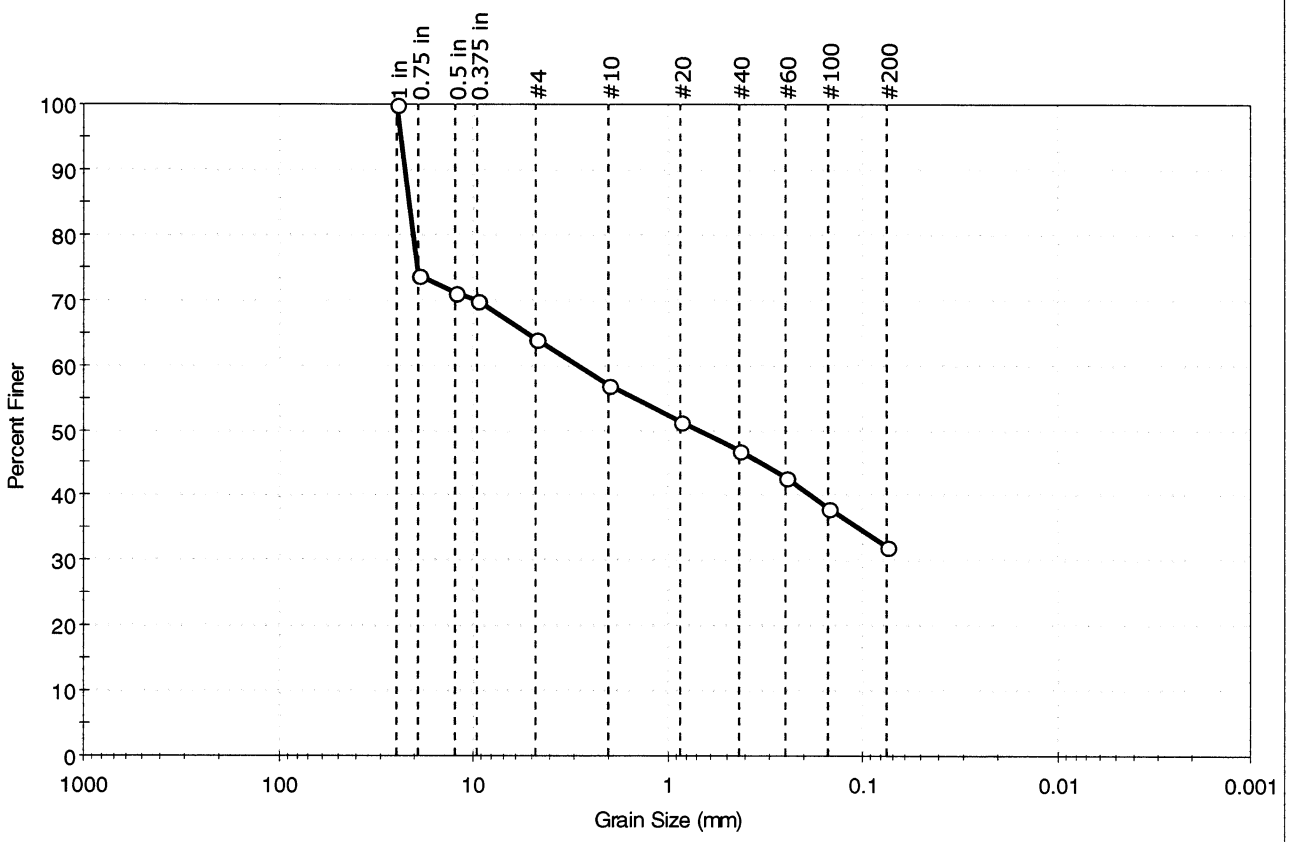
Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	CSB-5	Test Date:	11/21/11	Checked By:	jdt
Depth :	7-12 ft	Test Id:	223125		
Test Comment:	---				
Sample Description:	Moist, grayish brown silty gravel with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	36.1	31.8	32.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	74		
0.5 in	12.50	71		
0.375 in	9.50	70		
#4	4.75	64		
#10	2.00	57		
#20	0.85	51		
#40	0.42	47		
#60	0.25	43		
#100	0.15	38		
#200	0.075	32		

Coefficients

D_{85} = 21.3681 mm D_{30} = N/A
D_{60} = 2.9483 mm D_{15} = N/A
D_{50} = 0.6988 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

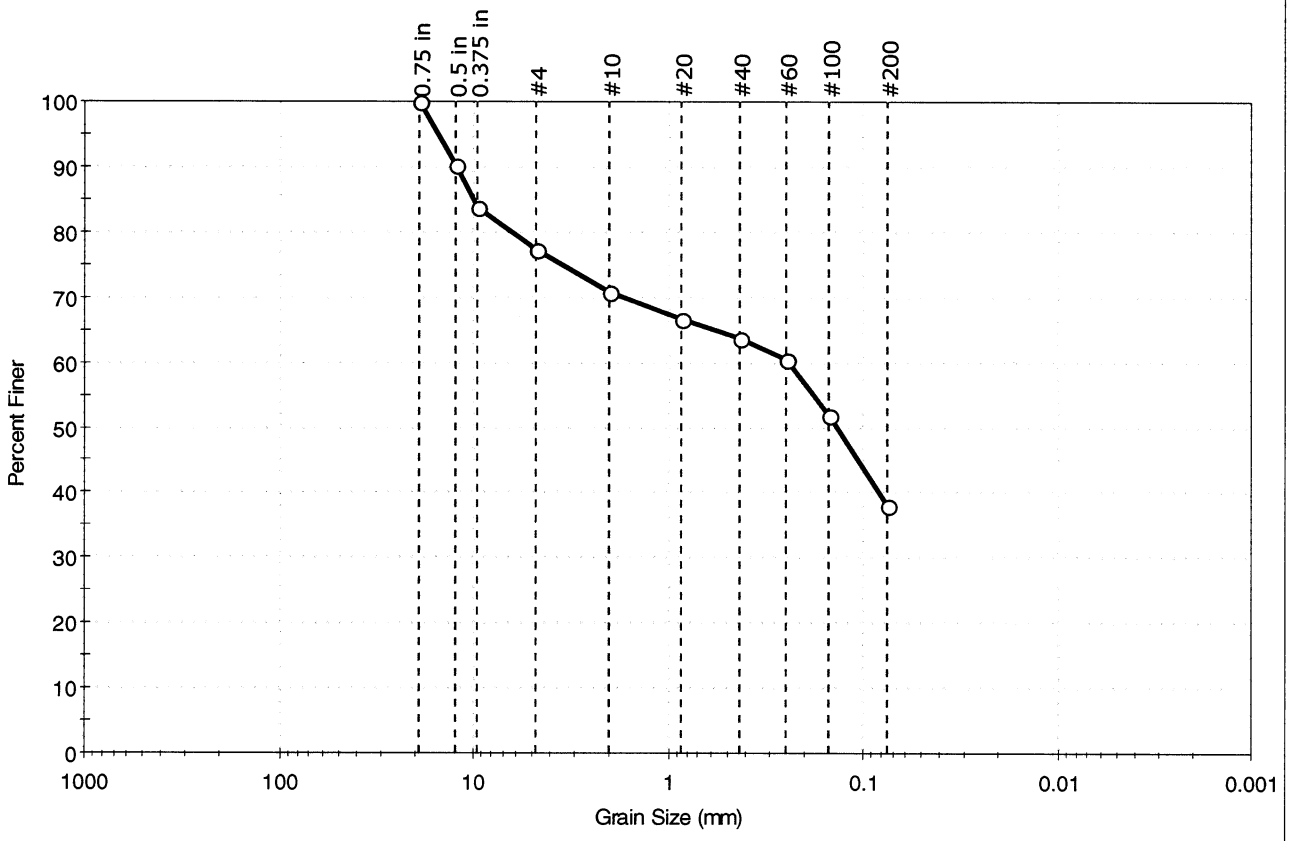
Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	CSB-6	Test Date:	11/21/11	Checked By:	jdt
Depth :	5-9 ft	Test Id:	223126		
Test Comment:	---				
Sample Description:	Moist, brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



%Cobble	%Gravel	%Sand	%Silt & Clay Size
---	22.7	39.2	38.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	90		
0.375 in	9.50	84		
#4	4.75	77		
#10	2.00	71		
#20	0.85	67		
#40	0.42	64		
#60	0.25	60		
#100	0.15	52		
#200	0.075	38		

Coefficients

D_{85} = 10.0041 mm D_{30} = N/A
D_{60} = 0.2430 mm D_{15} = N/A
D_{50} = 0.1359 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

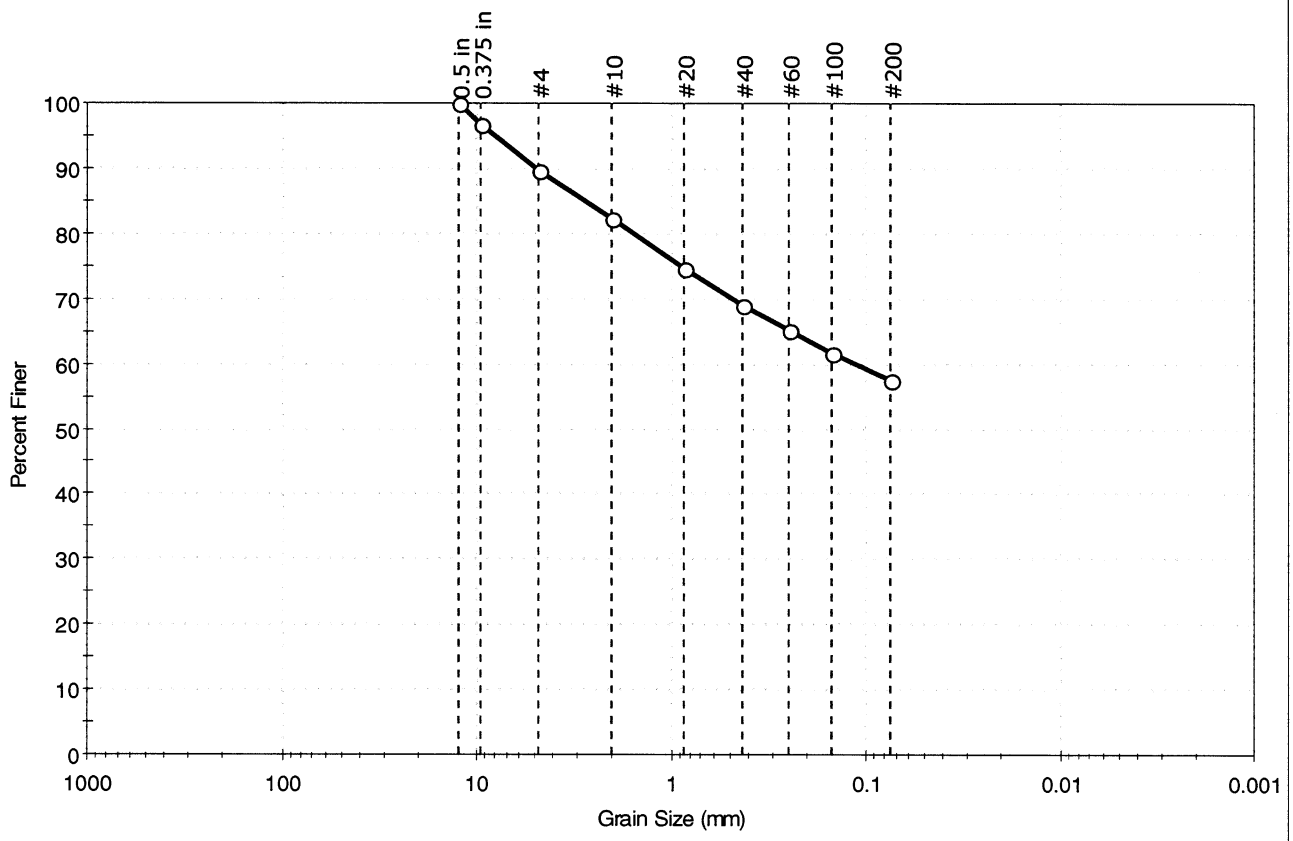
Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	CSB-6	Test Date:	11/17/11	Checked By:	jdt
Depth :	9-12.8 ft	Test Id:	223127		
Test Comment:	---				
Sample Description:	Moist, dark grayish brown sandy silt				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	10.3	32.1	57.6

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.5 in	12.50	100		
0.375 in	9.50	97		
#4	4.75	90		
#10	2.00	82		
#20	0.85	75		
#40	0.42	69		
#60	0.25	65		
#100	0.15	62		
#200	0.075	58		

Coefficients

D_{85} = 2.7721 mm	D_{30} = N/A
D_{60} = 0.1140 mm	D_{15} = N/A
D_{50} = N/A	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

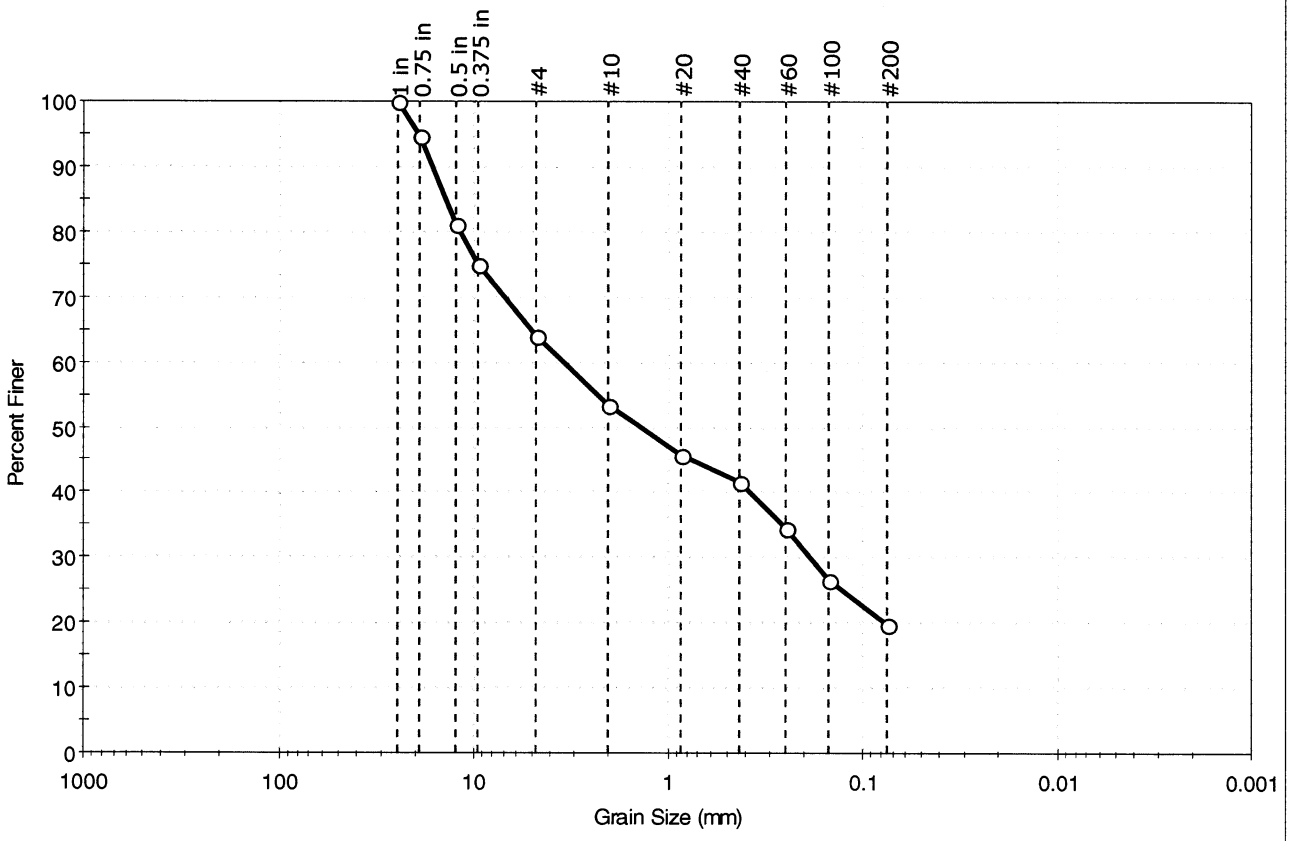
Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	CSB-7	Test Date:	11/17/11	Checked By:	jdt
Depth :	8-12.4 ft	Test Id:	223128		
Test Comment:	---				
Sample Description:	Moist, clayey sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	36.0	44.2	19.8

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	95		
0.5 in	12.50	81		
0.375 in	9.50	75		
#4	4.75	64		
#10	2.00	54		
#20	0.85	46		
#40	0.42	42		
#60	0.25	34		
#100	0.15	27		
#200	0.075	20		

Coefficients

D_{85} = 14.0500 mm D_{30} = 0.1870 mm

D_{60} = 3.4250 mm D_{15} = N/A

D_{50} = 1.3567 mm D_{10} = N/A

C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

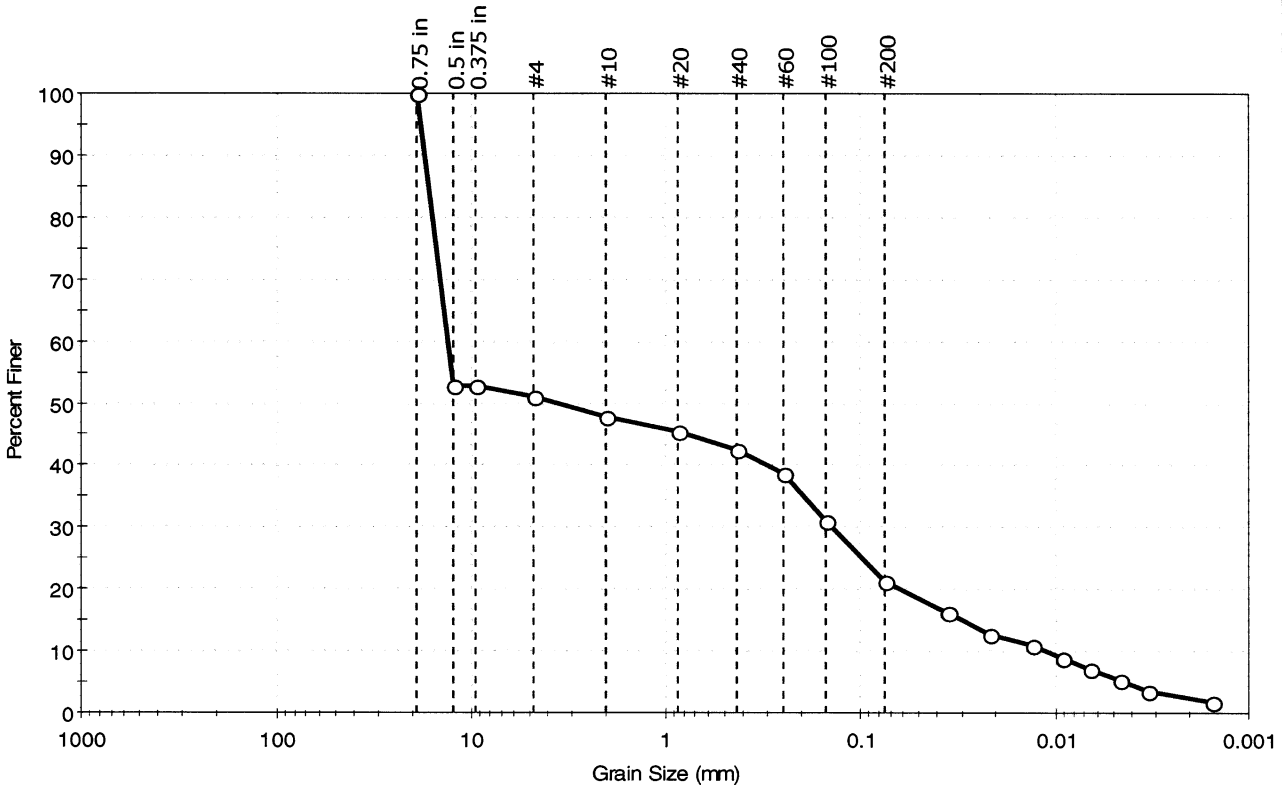
Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	CSB-8	Test Date:	11/17/11	Checked By:	jdt
Depth :	5-9 ft	Test Id:	223134		
Test Comment:	---				
Sample Description:	Moist, dark brown silty gravel with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	48.9	30.0	21.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	53		
0.375 in	9.50	53		
#4	4.75	51		
#10	2.00	48		
#20	0.85	45		
#40	0.42	43		
#60	0.25	39		
#100	0.15	31		
#200	0.075	21		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0359	16		
---	0.0219	13		
---	0.0131	11		
---	0.0092	9		
---	0.0066	7		
---	0.0046	5		
---	0.0033	4		
---	0.0015	2		

Coefficients

D_{85} = 16.6367 mm D_{30} = 0.1410 mm
D_{60} = 13.3328 mm D_{15} = 0.0305 mm
D_{50} = 3.5573 mm D_{10} = 0.0112 mm
C_u = N/A C_c = N/A

Classification

ASTM Clayey gravel with sand (GC)

AASHTO Clayey Gravel and Sand (A-2-6 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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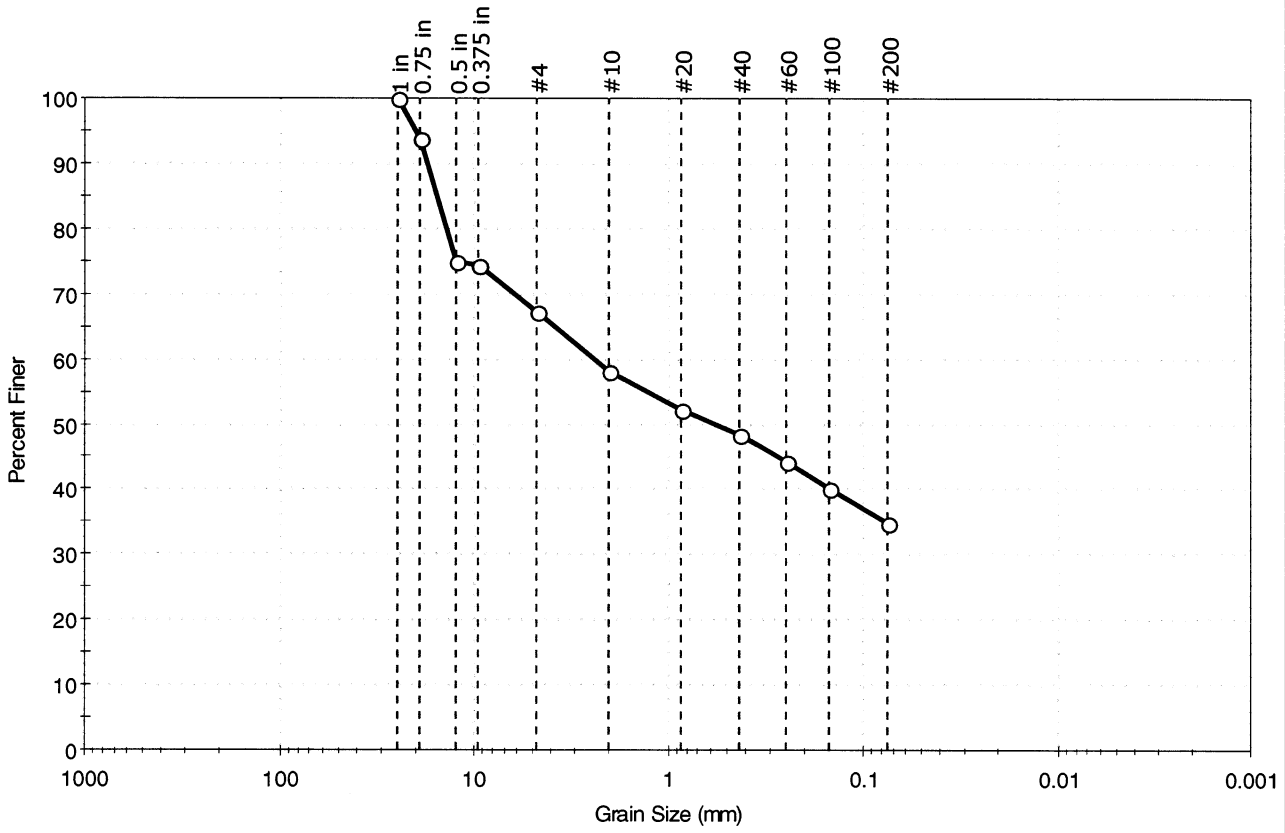
GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	CSB-9	Test Date:	11/21/11	Checked By:	jdt
Depth :	9-11.3 ft	Test Id:	223129		
Test Comment:	---				
Sample Description:	Moist, grayish brown clayey gravel with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	32.8	32.3	34.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	94		
0.5 in	12.50	75		
0.375 in	9.50	74		
#4	4.75	67		
#10	2.00	58		
#20	0.85	52		
#40	0.42	48		
#60	0.25	44		
#100	0.15	40		
#200	0.075	35		

Coefficients

D_{85} = 15.6138 mm D_{30} = N/A
D_{60} = 2.3745 mm D_{15} = N/A
D_{50} = 0.5799 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

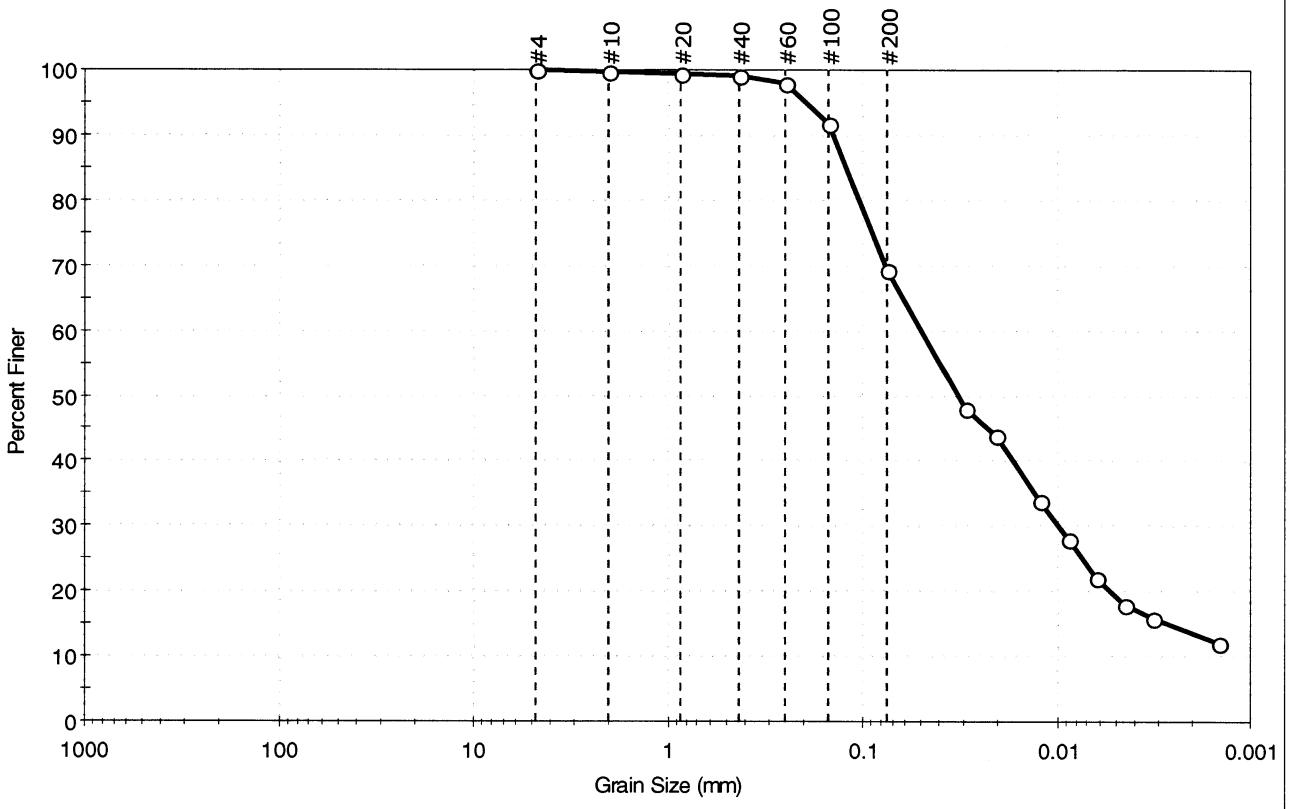
Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID: ---		Sample Type:	jar	Tested By:	jbr
Sample ID:	CSB-10	Test Date:	11/17/11	Checked By:	jdt
Depth :	7-9 ft	Test Id:	223135		
Test Comment:	---				
Sample Description:	Moist, brown sandy silty clay				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



%Cobble	%Gravel	%Sand	%Silt & Clay Size
—	0.0	30.7	69.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	99		
#40	0.42	99		
#60	0.25	98		
#100	0.15	92		
#200	0.075	69		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0296	48		
---	0.0208	44		
---	0.0121	34		
---	0.0087	28		
---	0.0062	22		
---	0.0045	18		
---	0.0032	16		
---	0.0015	12		

Coefficients

D_{85} = 0.1219 mm D_{30} = 0.0097 mm
D_{60} = 0.0500 mm D_{15} = 0.0027 mm
D_{50} = 0.0324 mm D_{10} = 0.0010 mm
C_u = N/A C_c = N/A

Classification

ASTM Sandy silty clay (CL-ML)

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

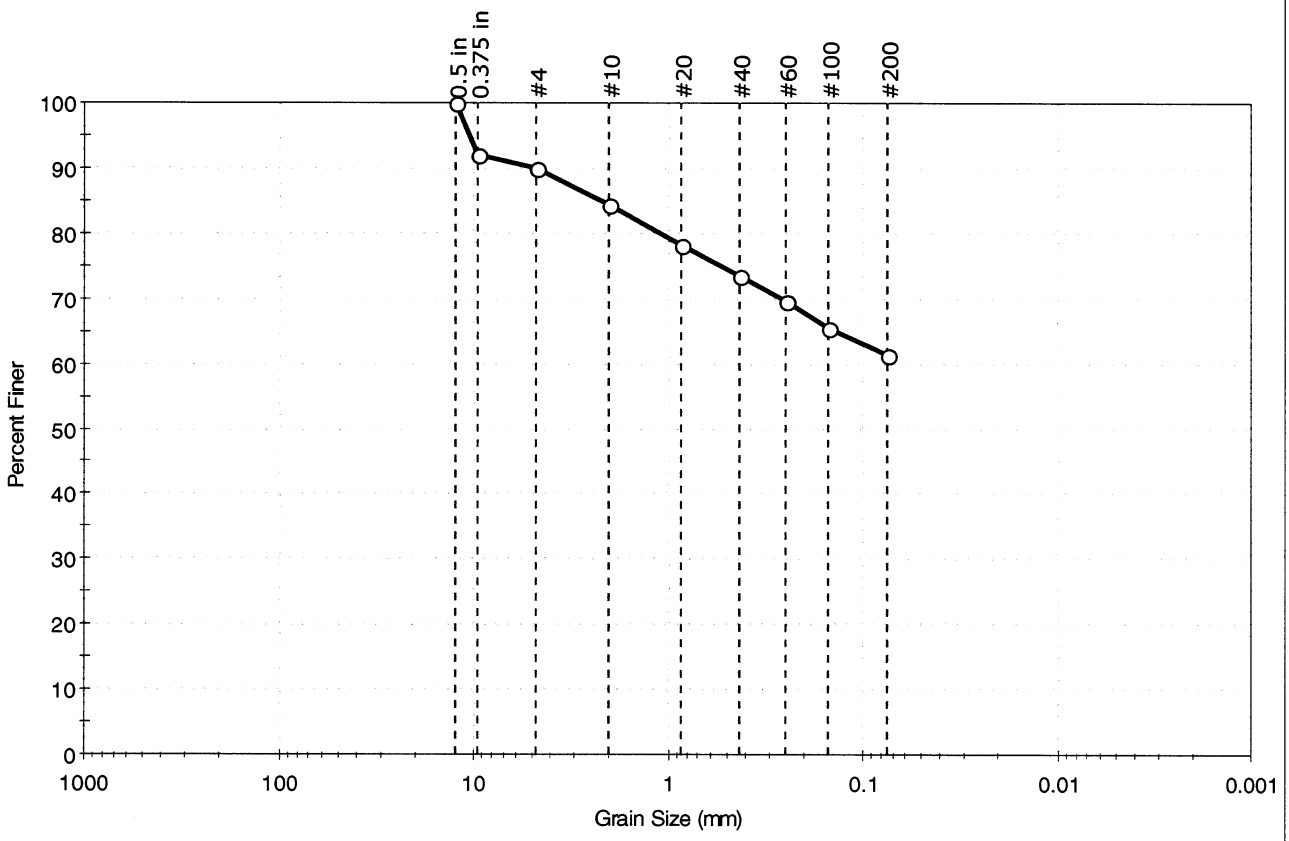
Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	CSB-11	Test Date:	11/17/11	Checked By:	jdt
Depth :	2-5 ft	Test Id:	223130		
Test Comment:	---				
Sample Description:	Moist, grayish brown sandy clay				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



%Cobble	%Gravel	%Sand	%Silt & Clay Size
—	9.9	28.8	61.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.5 in	12.50	100		
0.375 in	9.50	92		
#4	4.75	90		
#10	2.00	84		
#20	0.85	78		
#40	0.42	74		
#60	0.25	70		
#100	0.15	65		
#200	0.075	61		

Coefficients

D_{85} = 2.2004 mm	D_{30} = N/A
D_{60} = N/A	D_{15} = N/A
D_{50} = N/A	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

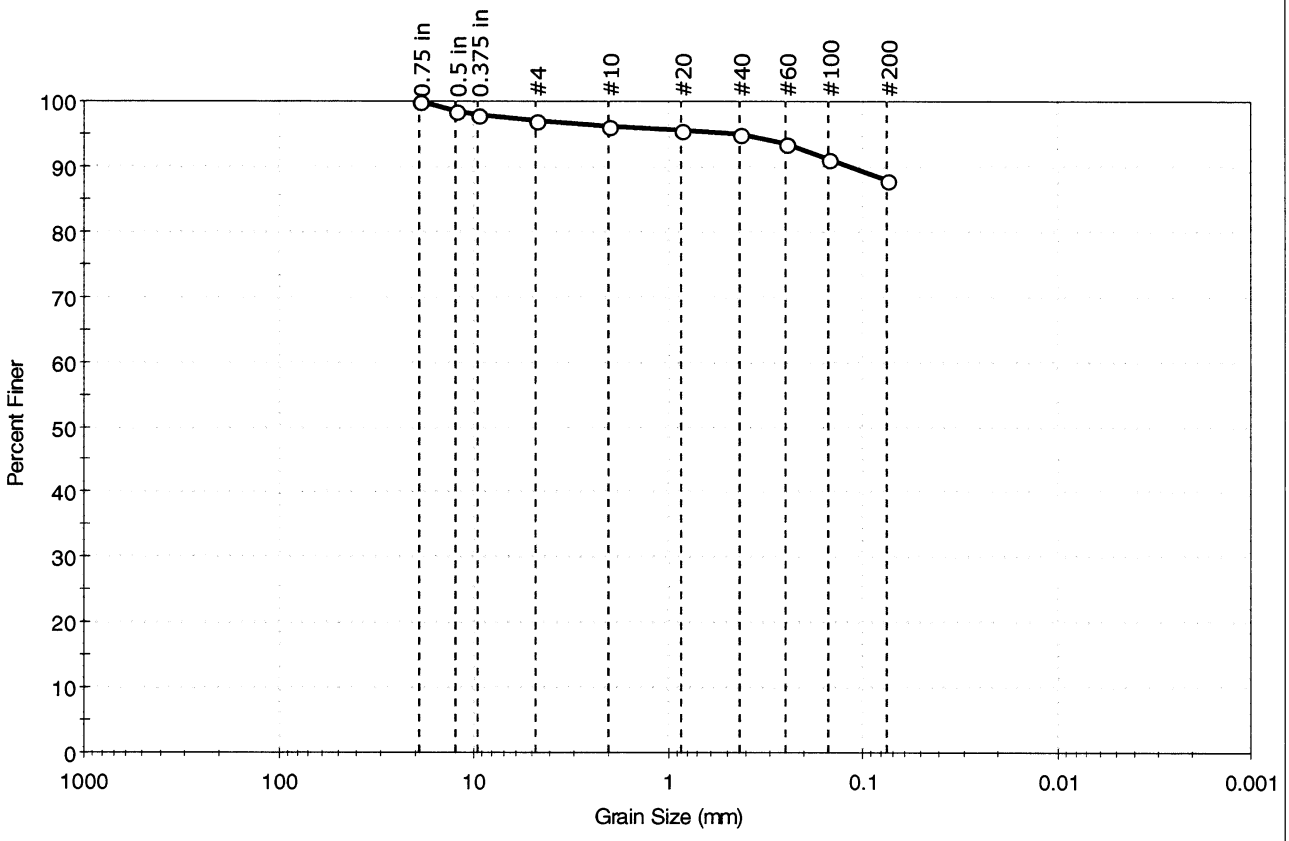
Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	CSB-12	Test Date:	11/21/11	Checked By:	jdt
Depth :	2-5 ft	Test Id:	223131		
Test Comment:	---				
Sample Description:	Moist, brown clay				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



%Cobble	%Gravel	%Sand	%Silt & Clay Size
—	2.9	9.1	88.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	98		
0.375 in	9.50	98		
#4	4.75	97		
#10	2.00	96		
#20	0.85	96		
#40	0.42	95		
#60	0.25	94		
#100	0.15	91		
#200	0.075	88		

Coefficients

D_{85} = N/A D_{30} = N/A
D_{60} = N/A D_{15} = N/A
D_{50} = N/A D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

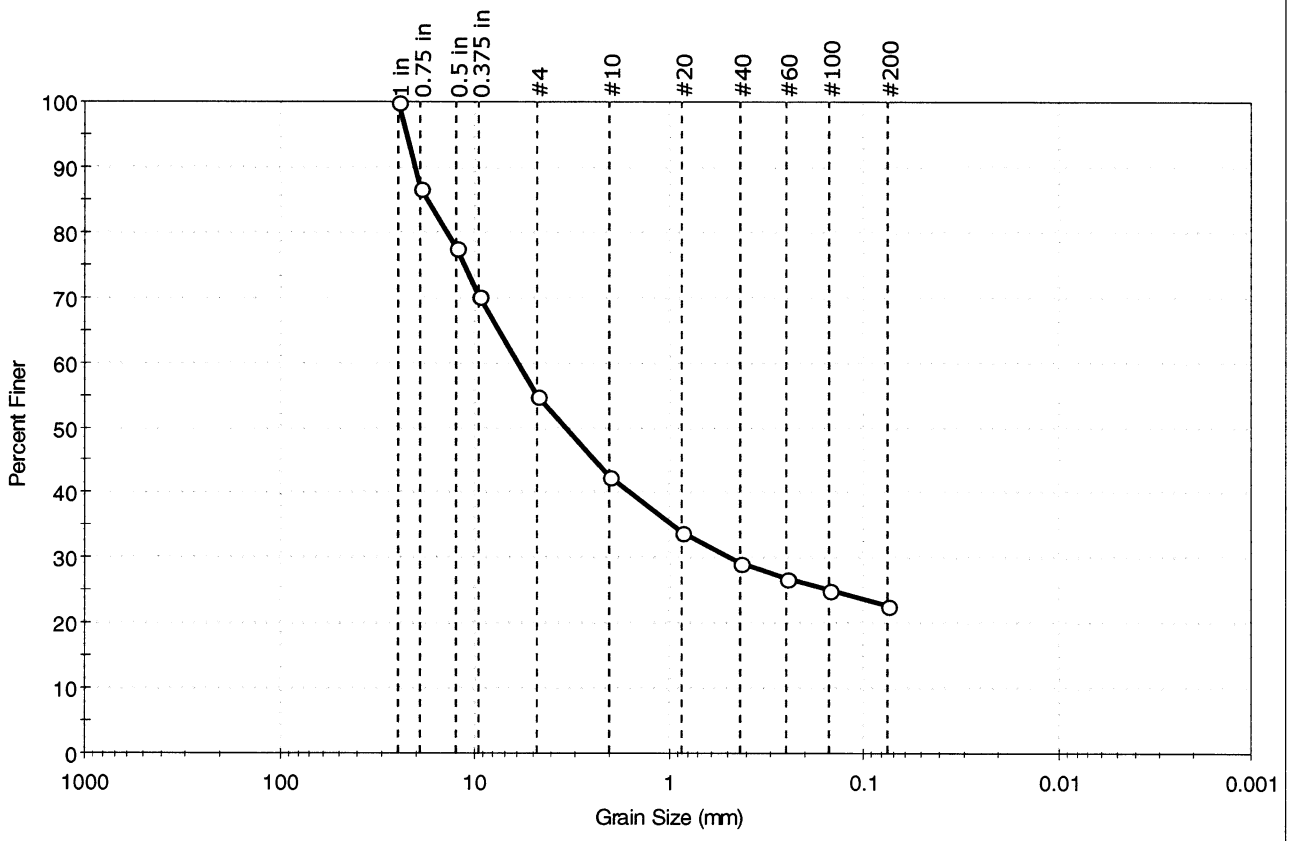
Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	CSB-12	Test Date:	11/21/11	Checked By:	jdt
Depth :	7-9.7 ft	Test Id:	223132		
Test Comment:	---				
Sample Description:	Moist, light brown silty gravel with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	45.1	32.2	22.7

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	87		
0.5 in	12.50	78		
0.375 in	9.50	70		
#4	4.75	55		
#10	2.00	43		
#20	0.85	34		
#40	0.42	29		
#60	0.25	27		
#100	0.15	25		
#200	0.075	23		

Coefficients

D_{85} = 17.6366 mm	D_{30} = 0.4783 mm
D_{60} = 5.9689 mm	D_{15} = N/A
D_{50} = 3.3614 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

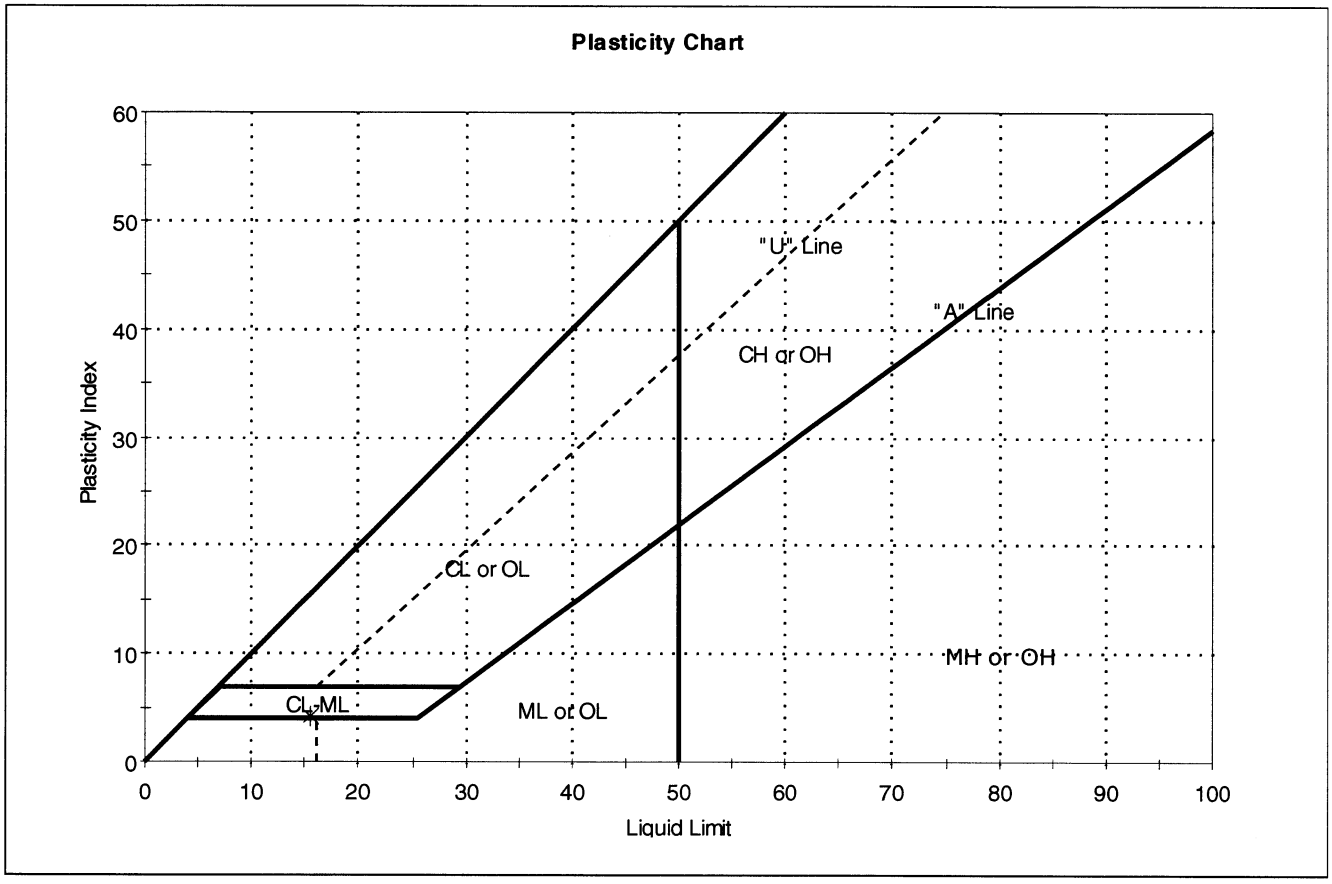
Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	cam
Sample ID:	CSB-1	Test Date:	11/17/11	Checked By:	jdt
Depth :	8-11.9 ft	Test Id:	223118		
Test Comment:	---				
Sample Description:	Moist, brown silty, clayey sand				
Sample Comment:	---				

Atterberg Limits - ASTM D 4318-05



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
*	CSB-1	---	8-11.9 ft	10	15	11	4	0	

Sample Prepared using the WET method

Dry Strength: VERY HIGH

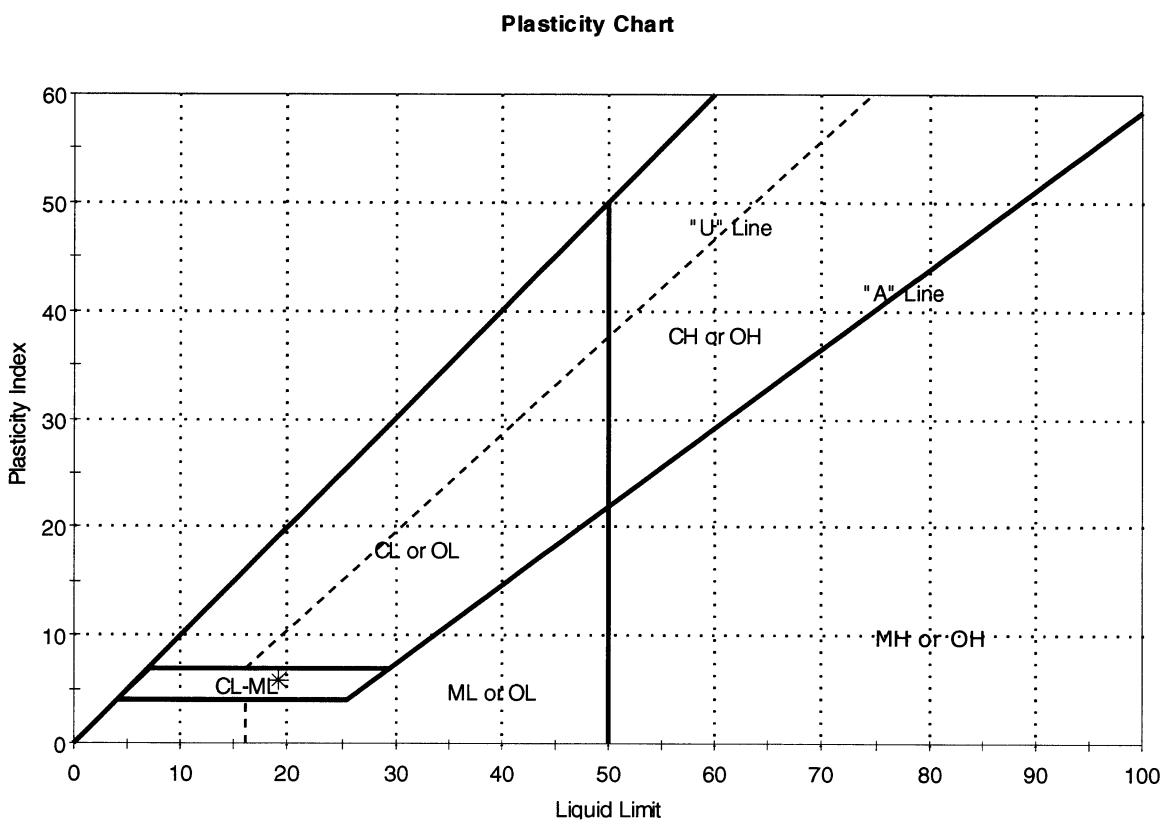
Dilentancy: SLOW

Toughness: LOW

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	cam
Sample ID:	CSB-3	Test Date:	11/21/11	Checked By:	jdt
Depth :	5-7 ft	Test Id:	223119		
Test Comment:	---				
Sample Description:	Moist, brown silty, clayey sand with gravel				
Sample Comment:	---				

Atterberg Limits - ASTM D 4318-05



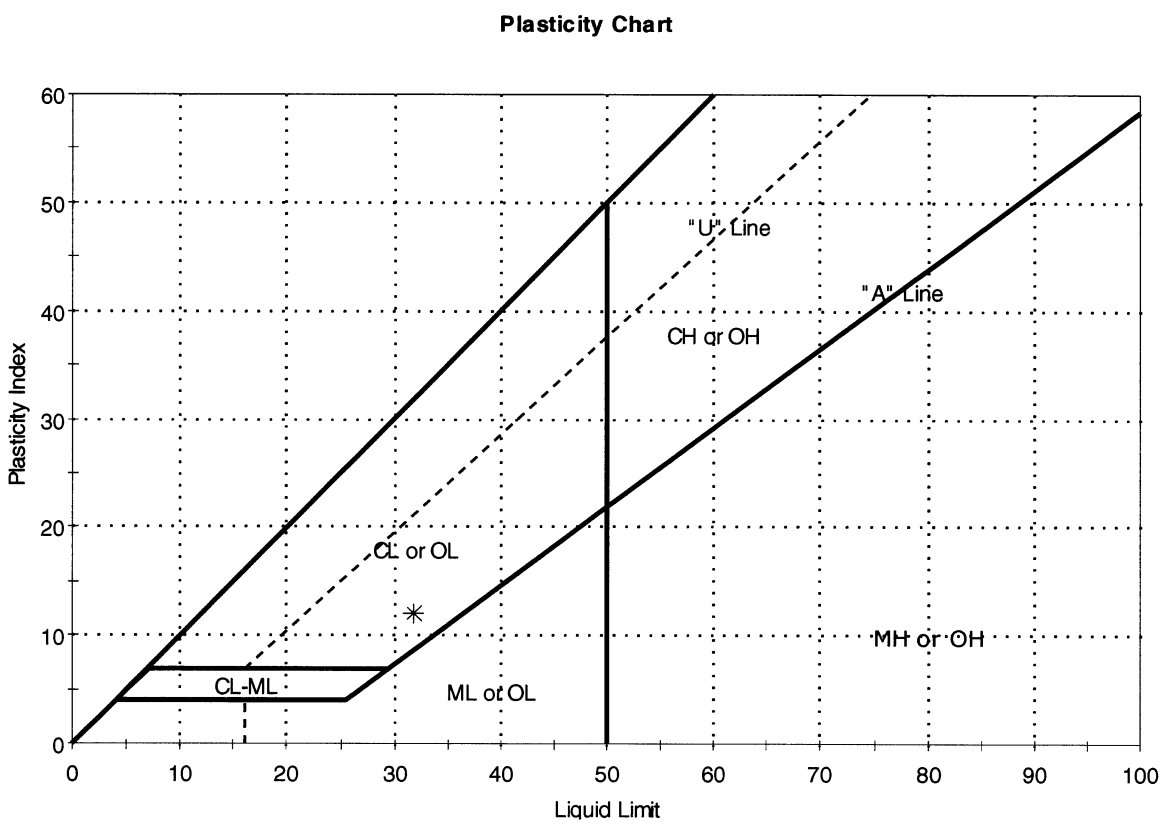
Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
*	CSB-3	---	5-7 ft	12	19	13	6	0	Silty, clayey sand with gravel (SC-SM)

Sample Prepared using the WET method
42% Retained on #40 Sieve
Dry Strength: VERY HIGH
Dilentancy: SLOW
Toughness: LOW

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	cam
Sample ID:	CSB-8	Test Date:	11/18/11	Checked By:	jdt
Depth :	5-9 ft	Test Id:	223120		
Test Comment:	---				
Sample Description:	Moist, dark brown clayey gravel with sand				
Sample Comment:	---				

Atterberg Limits - ASTM D 4318-05



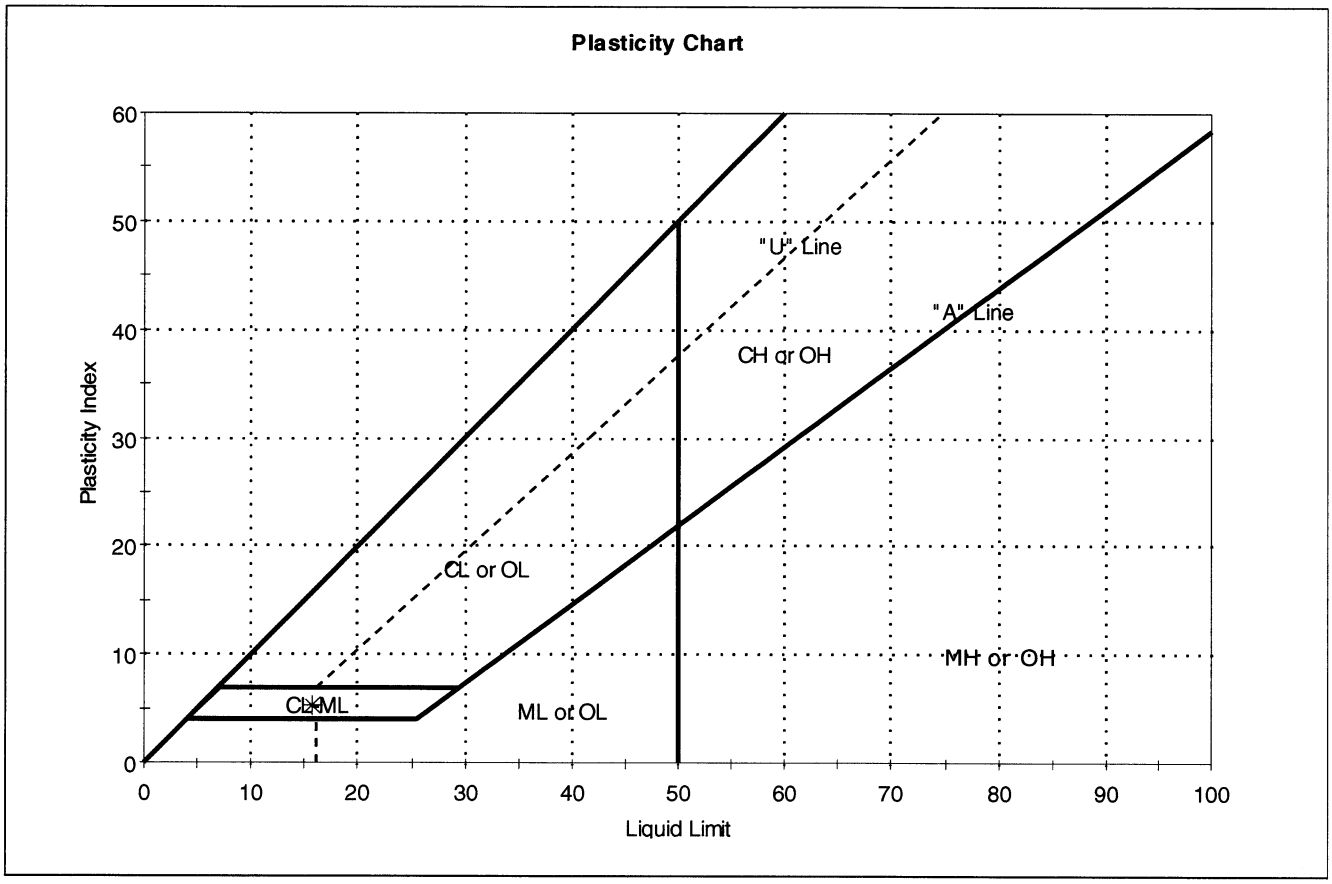
Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
✳	CSB-8	---	5-9 ft	17	32	20	12	0	Clayey gravel with sand (GC)

Sample Prepared using the WET method
57% Retained on #40 Sieve
Dry Strength: VERY HIGH
Dilentancy: SLOW
Toughness: LOW

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	jar	Tested By:	cam
Sample ID:	CSB-10	Test Date:	11/18/11	Checked By:	jdt
Depth :	7-9 ft	Test Id:	223121		
Test Comment:	---				
Sample Description:	Moist, brown sandy silty clay				
Sample Comment:	---				

Atterberg Limits - ASTM D 4318-05



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
✳	CSB-10	---	7-9 ft	12	16	10	6	0	Sandy silty clay (CL-ML)

Sample Prepared using the WET method
1% Retained on #40 Sieve
Dry Strength: HIGH
Dilentancy: SLOW
Toughness: LOW

GeoTesting EXPRESS

Client:	Arcadis - U.S., Inc.				
Project:	Clark Street-NYSEG				
Location:	Auburn, NY			Project No:	GTX-11316
Boring ID:	---	Sample Type:	---	Tested By:	ema
Sample ID:	---	Test Date:	11/28/11	Checked By:	jdt
Depth :	---	Test Id:	223139		

Specific Gravity of Soils by ASTM D 854-06

Boring ID	Sample ID	Depth	Visual Description	Specific Gravity
---	CSB-1	8-11.9 ft	Moist, brown silty, clayey sand	2.73
---	CSB-6	9-12.8 ft	Moist, dark grayish brown sandy silt	2.74
---	CSB-11	2-5 ft	Moist, grayish brown sandy clay	2.64
---	CSB-12	7-9.7 ft	Moist, light brown silty gravel with sand	2.75

Notes: Specific Gravity performed by using method A (oven dried specimens) of ASTM D 854
Moisture Content determined by ASTM D 2216.

Attachment 5

Test Pit Logs

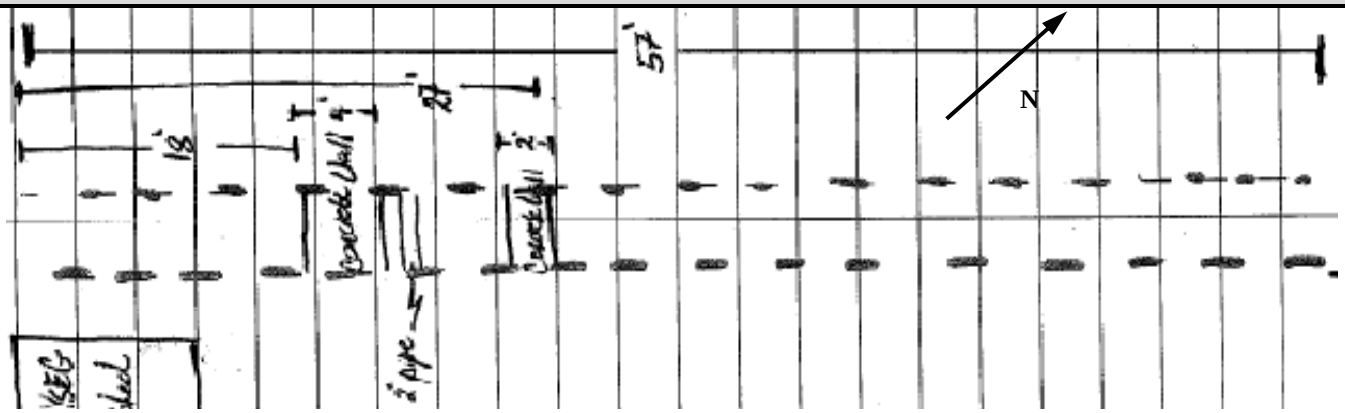
Test Pit Log

Test Pit ID: CTP-1

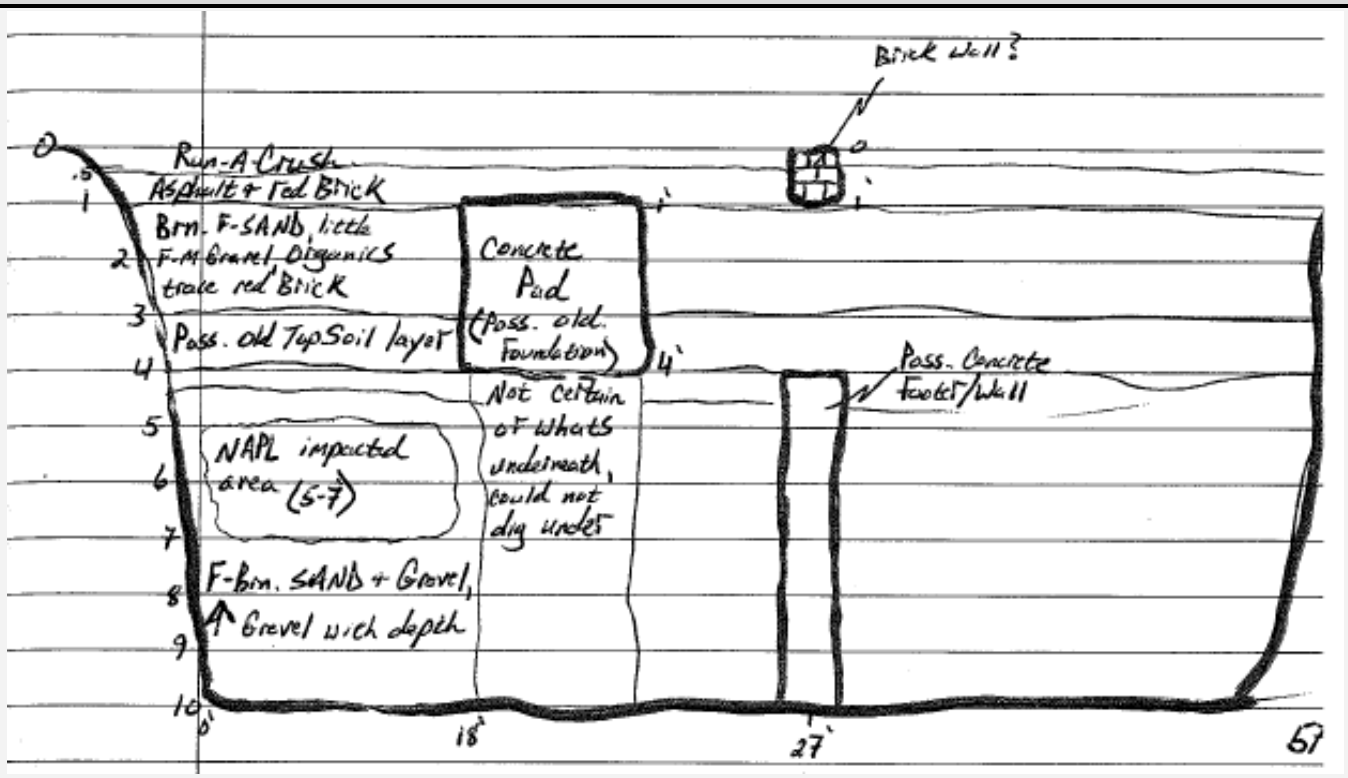
Client:	NYSEG
Project:	Upland Pre-Design Investigation
Location:	Clark Street Former MGP Site, Auburn, New York
Project #:	B0013091
Geologist:	Marcus Eriksson
Date:	9/19/11
Subcontractor:	Parratt-Wolff, Inc.
Equipment:	Deere 120C track excavator

Sketch of Test Pit Layout:

Plan View



Cross Section View



Test Pit Length:	**57'**	**Total Depth:**	**10'**	**Depth to water:**	**--**

Depth Interval (feet)	Description of Soil/Material
0’-0.5’	Crusher run stone
0.5’-1’	Asphalt and red brick
1’-3’	Brown fine sand, little fine to medium gravel, organics, trace red brick
3’-4’	Possible old top soil layer
4’-5’	Fine brown sand and gravel
5’-7’	Fine brown sand and gravel impacted by NAPL
7’-10’	Fine brown sand and gravel
10’	Bedrock

Notes:

NA = Not Available/Applicable; bgs = below ground surface
* Not to scale

Photograph Summary:

01	View of CTP-1

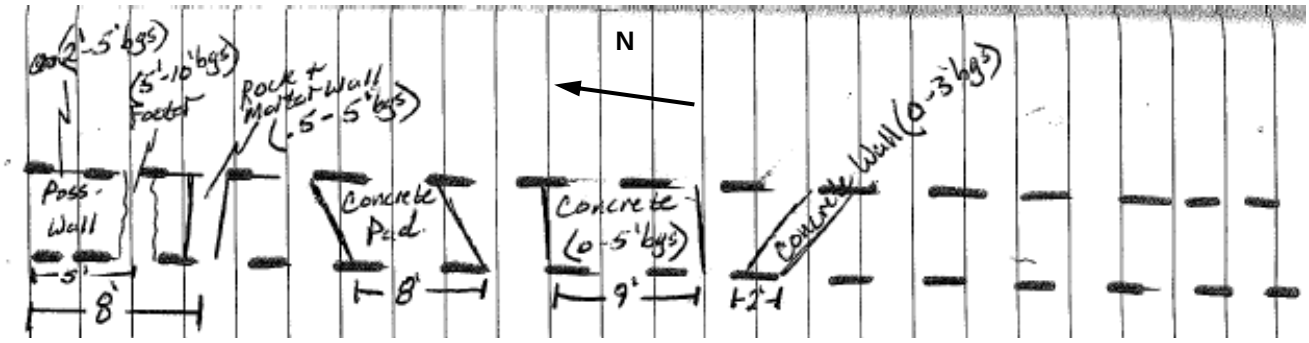
Test Pit Log

Test Pit ID: CTP-2

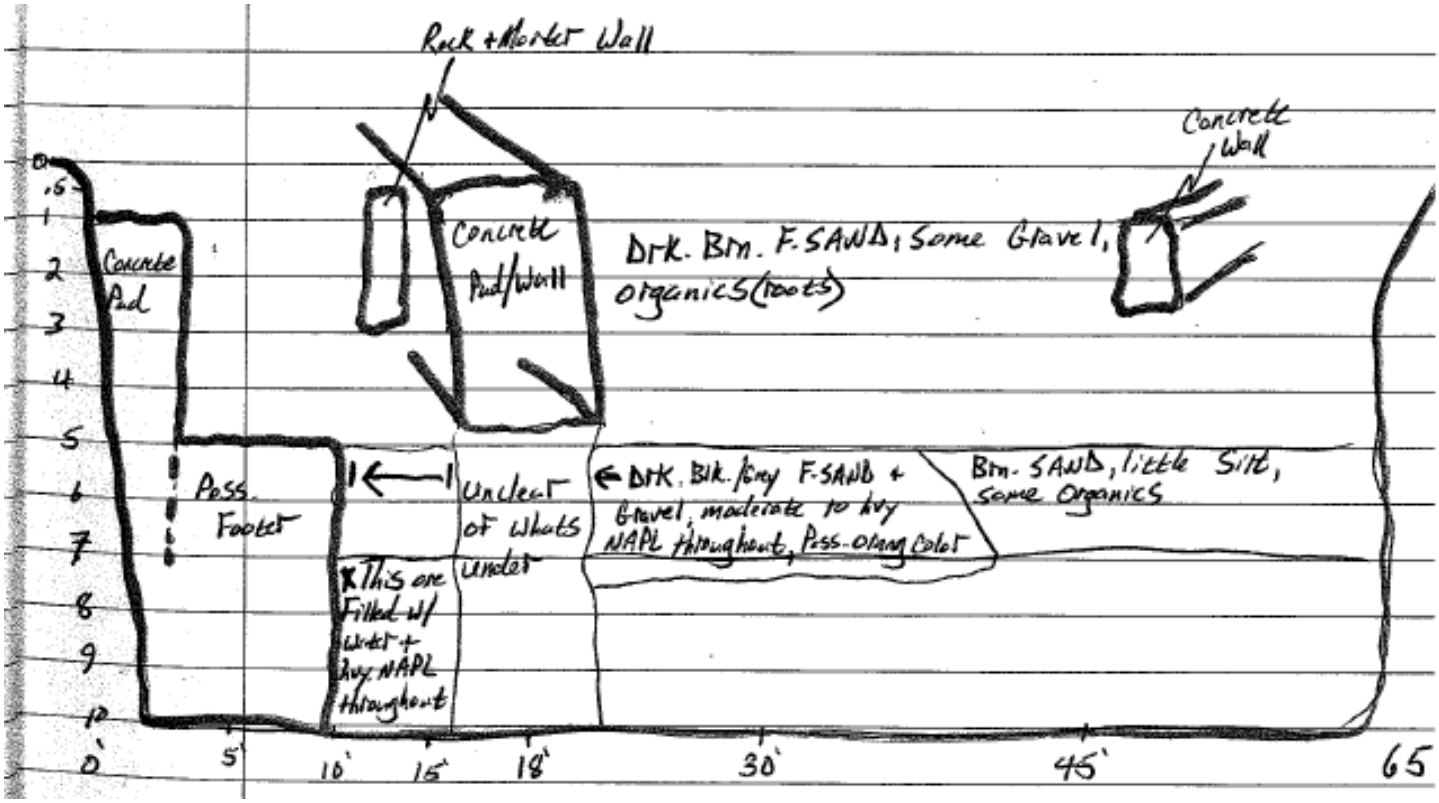
Client:	NYSEG
Project:	Upland Pre-Design Investigation
Location:	Clark Street Former MGP Site, Auburn, New York
Project #:	B0013091
Geologist:	Marcus Eriksson
Date:	9/16/11
Subcontractor:	Parratt-Wolff, Inc.
Equipment:	Deere 120C track excavator

Sketch of Test Pit Layout:

Plan View



Cross Section View



Test Pit Length:	57'	Total Depth:	10'	Depth to Water:	7'

Depth Interval (feet)	Description of Soil/Material

0’-5’	Dark brown fine sand, some gravel, organics
5’-7’	Brown sand, little silt, some organics + Dark black/gray fine sand and gravel (Moderate to heavy NAPL affected area).
7’-10’	Moderate to heavy NAPL affected area.
10’	Bedrock.

Notes:

NA = Not Available/Applicable; bgs = below ground surface
* Not to scale

Photograph Summary:

02	East view of CTP-2

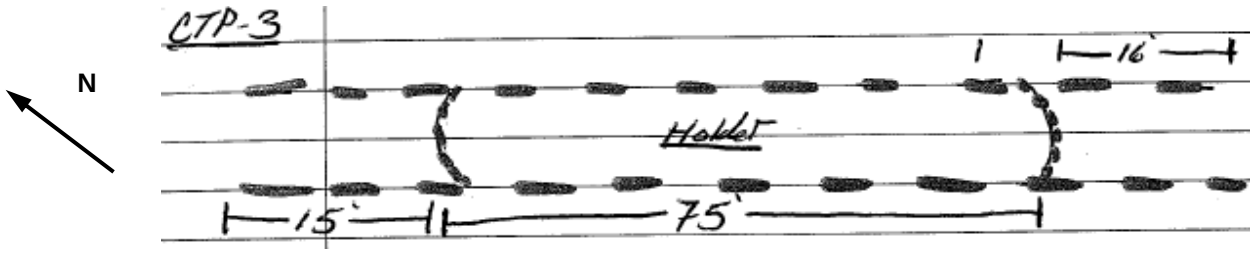
Test Pit Log

Test Pit ID: CTP-3

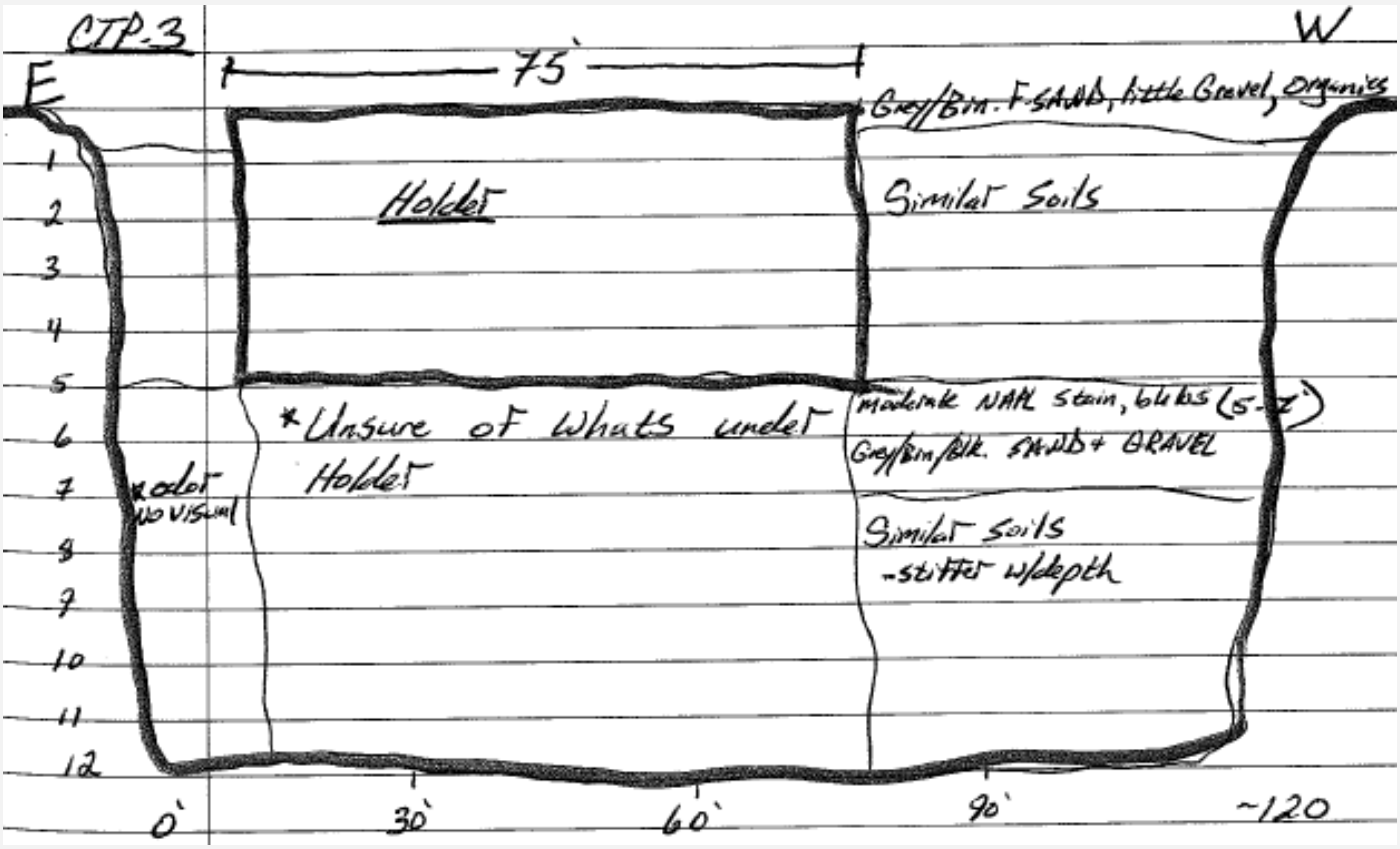
Client:	NYSEG
Project:	Upland Pre-Design Investigation
Location:	Clark Street Former MGP Site, Auburn, New York
Project #:	B0013091
Geologist:	Marcus Eriksson
Date:	9/15/11
Subcontractor:	Parratt-Wolff, Inc.
Equipment:	Deere 120C track excavator

Sketch of Test Pit Layout:

Plan View



Cross Section View



Test Pit Length:	**106'**	**Total Depth:**	**12'**	**Depth to Water:**	**--**

Depth Interval (feet)	Description of Soil/Material
0’-5’	Gray/brown fine sand, little gravel, organics.
5’-7’	Gray/brown/black sand and gravel (Moderate NAPL bleb, staining)
7’-12’	Gray/brown/black sand and gravel
12’	Bedrock.

Notes:

NA = Not Available/Applicable; bgs = below ground surface
*Gas holder #1 encountered

* Not to scale

Photograph Summary:

03	View of CTP-3 looking east

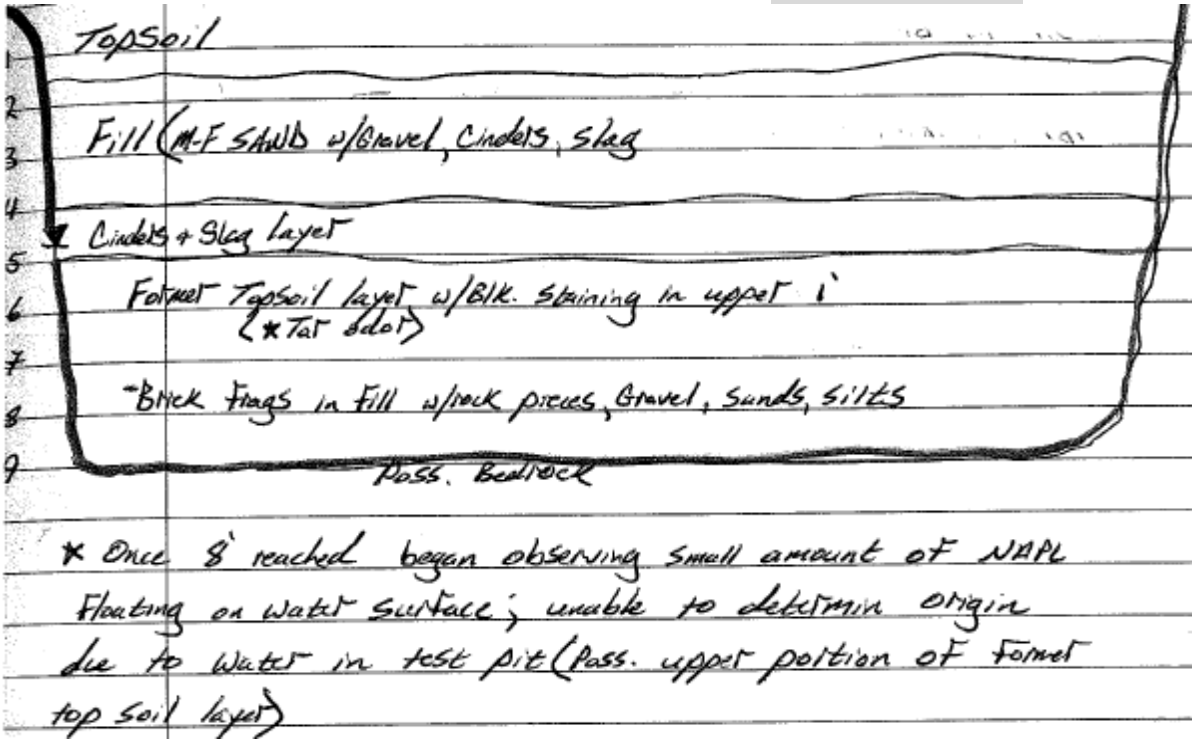
Test Pit Log

Test Pit ID: CTP-4

Client:	NYSEG
Project:	Upland Pre-Design Investigation
Location:	Clark Street Former MGP Site, Auburn, New York
Project #:	B0013091
Geologist:	Marcus Eriksson
Date:	9/15/11
Subcontractor:	Parratt-Wolff, Inc.
Equipment:	Deere 120C track excavator

Sketch of Test Pit Layout:

Cross Section View



Test Pit Lenght:	--	**Total Depth:**	**9'**	**Depth to Water:**	**8'**

Depth Interval (feet)	Description of Soil/Material
0'-1.5'	Top soil
1.5'-4'	Fill (medium to fine sand with gravel, cinders and slag)
4'-5'	Cinders and slag
5'-9'	Former top soil layer, brick fragments in fill with rock pieces, gravel, sands and silts (Small amount of NAPL floating on surface of groundwater)
9'	Possible bedrock.

Notes:

NA = Not Available/Applicable; bgs = below ground surface
* Not to scale

Photograph Summary:

04	CTP-4

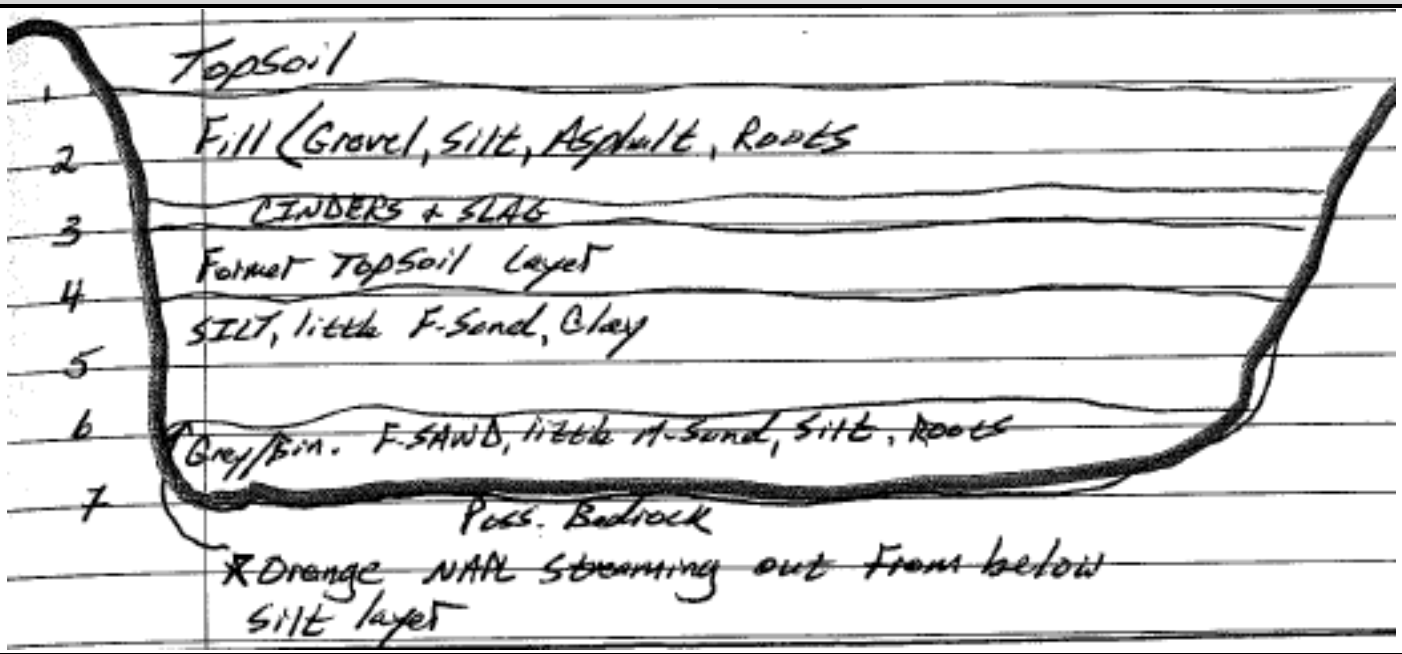
Test Pit Log

Test Pit ID: CTP-4A

Client:	NYSEG
Project:	Upland Pre-Design Investigation
Location:	Clark Street Former MGP Site, Auburn, New York
Project #:	B0013091
Geologist:	Marcus Eriksson
Date:	9/15/11
Subcontractor:	Parratt-Wolff, Inc.
Equipment:	Deere 120C track excavator

Sketch of Test Pit Layout:

Cross Section View



Test Pit Length:	--	**Total Depth:**	7’	**Depth to Water:**	--

Depth Interval (feet)	Description of Soil/Material
0’-1’	Topsoil
1’-2.5’	Fill (gravel, silt, asphalt, roots)
2.5’-3’	Cinders and slag
3’-4’	Former topsoil layer
4’-6’	Silt, little fine sand, clay (NAPL streaming into test pit from silt layer at 6’)
6’-7’	Gray/brown fine sand, little medium sand, silt, roots
7’	Possible bedrock.

Notes:

NA = Not Available/Applicable; bgs = below ground surface
* Not to scale

Photograph Summary:

05	East end of CTP-04A

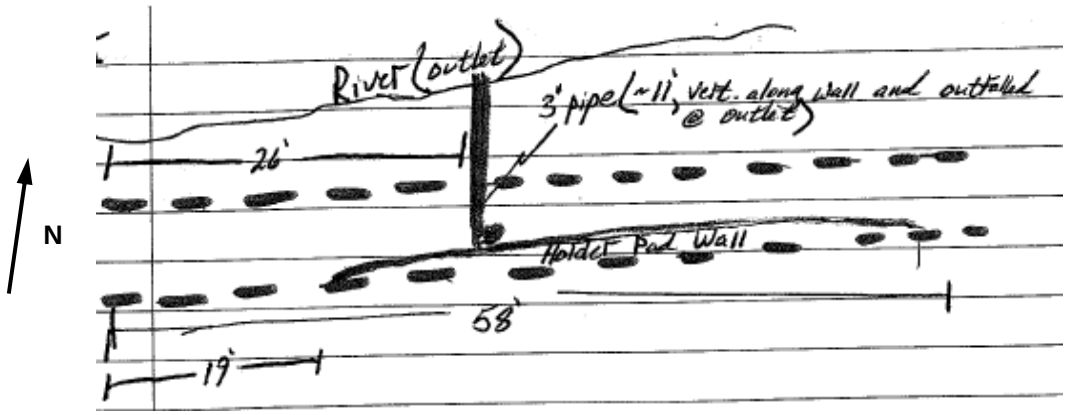
Test Pit Log

Test Pit ID: CTP-5

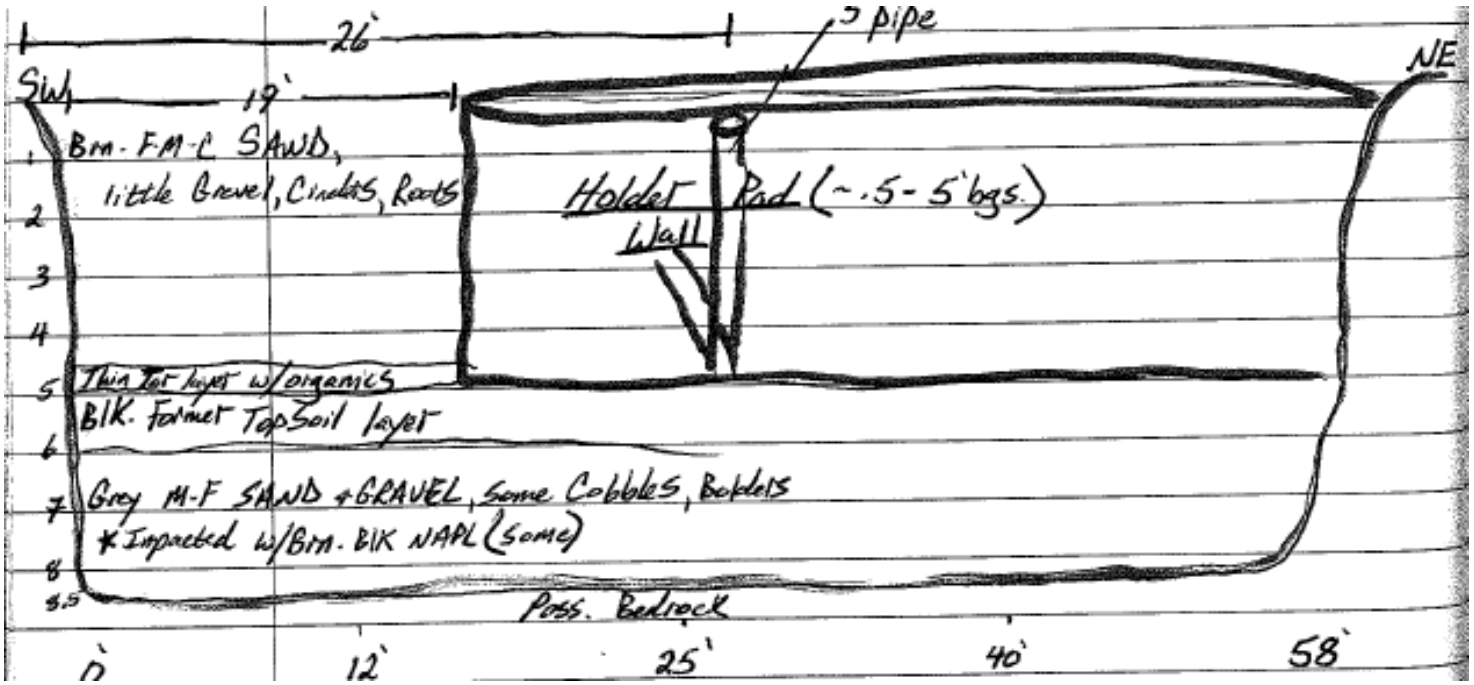
Client:	NYSEG
Project:	Upland Pre-Design Investigation
Location:	Clark Street Former MGP Site, Auburn, New York
Project #:	B0013091
Geologist:	Marcus Eriksson
Date:	9/15/11
Subcontractor:	Parratt-Wolff, Inc.
Equipment:	Deere 120C track excavator

Sketch of Test Pit Layout:

Plan View



Cross Section View



Test Pit Length:	**58'**	**Total Depth:**	**8.5'**	**Depth to Water:**	**--**

Depth Interval (feet)	Description of Soil/Material
0'-4.5'	Brown fine/medium/coarse sand, little gravel, cinders, roots
4.5'-5'	Tar layer + organics
5'-6'	Black former topsoil, organics
6'-8.5'	Gray medium to fine sand and gravel, some cobbles, boulders (some NAPL).
8.5'	Possible bedrock.

Notes:

NA = Not Available/Applicable; bgs = below ground surface

* Not to scale

Photograph Summary:

06	Looking at SW end of CTP-5
07	Looking at gas holder in CTP-5

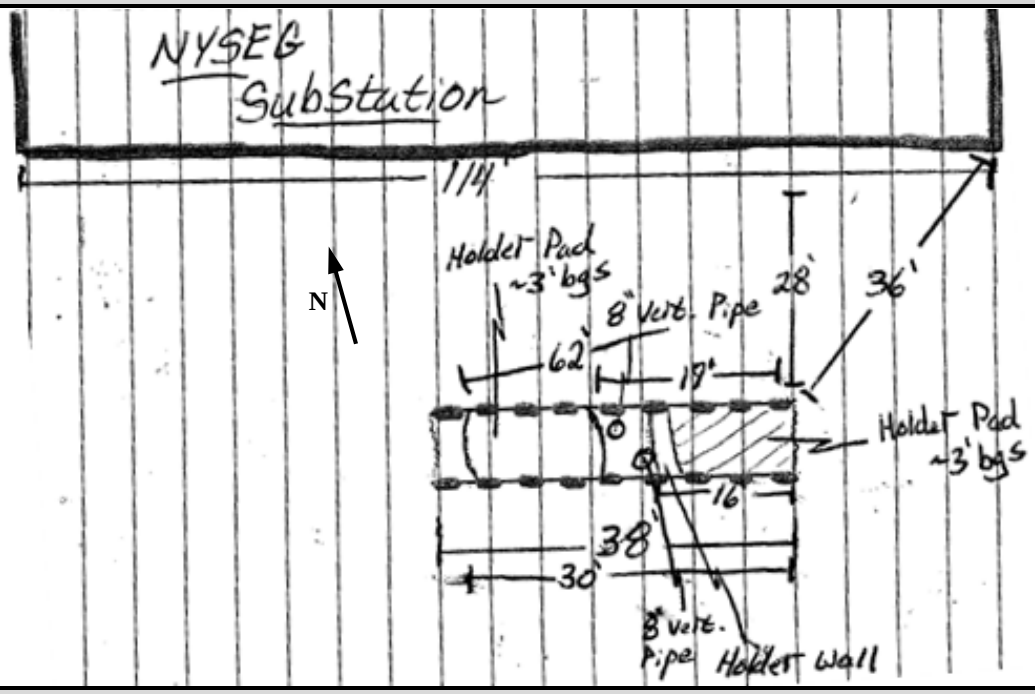
Test Pit Log

Test Pit ID: CTP-6

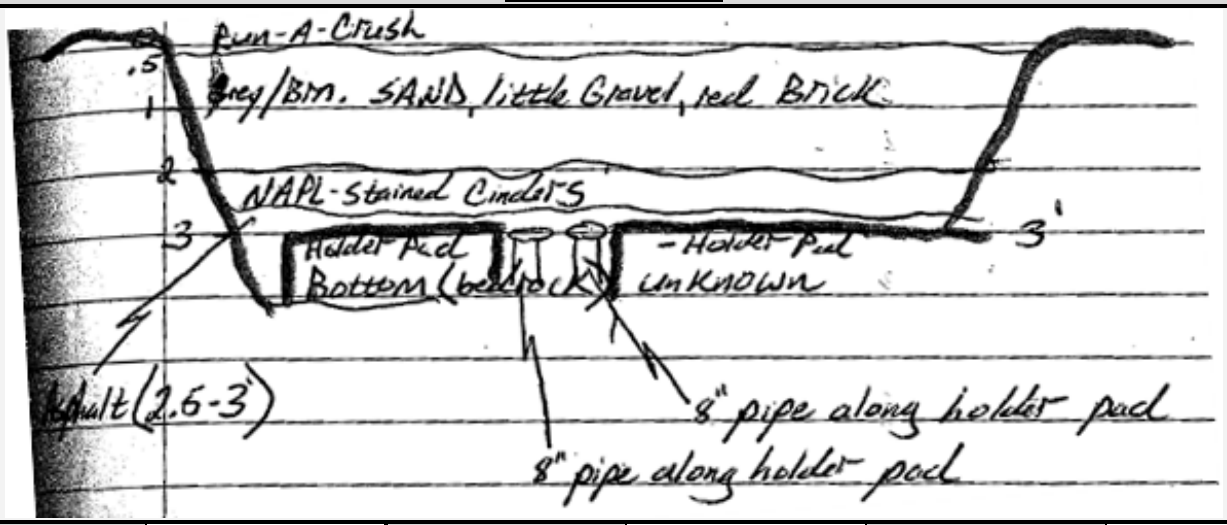
Client:	NYSEG
Project:	Upland Pre-Design Investigation
Location:	Clark Street Former MGP Site, Auburn, New York
Project #:	B0013091
Geologist:	Marcus Eriksson
Date:	9/14/11
Subcontractor:	Parratt-Wolff, Inc.
Equipment:	Deere 120C track excavator

Sketch of Test Pit Layout:

Plan View



Cross section view



Test Pit Length:	**38'**	**Total Depth:**	**3'**	**Depth to Water:**	**--**

Depth Interval (feet)	Description of Soil/Material
0’-0.5’	Crusher run stone
0.5’-1’	Gray/brown sand, little gravel, red brick
1’-3’	Cinders (NAPL stained)
2.6’-3’	Asphalt

Notes:

NA = Not Available/Applicable; bgs = below ground surface

* Not to scale

Photograph Summary:

08	West end of CTP-6
09	8” vertical pipe in CTP-6

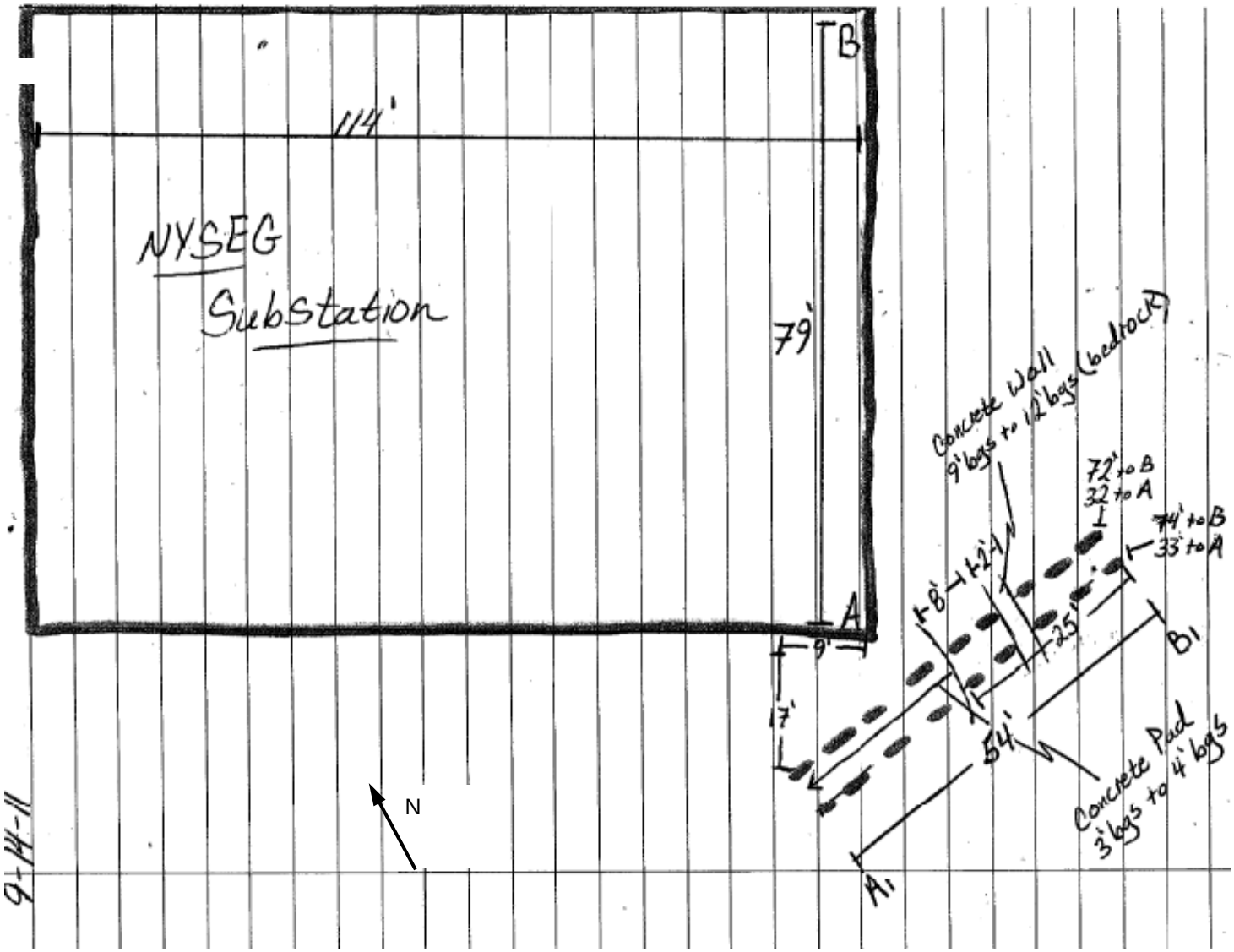
Test Pit Log

Test Pit ID: CTP-7

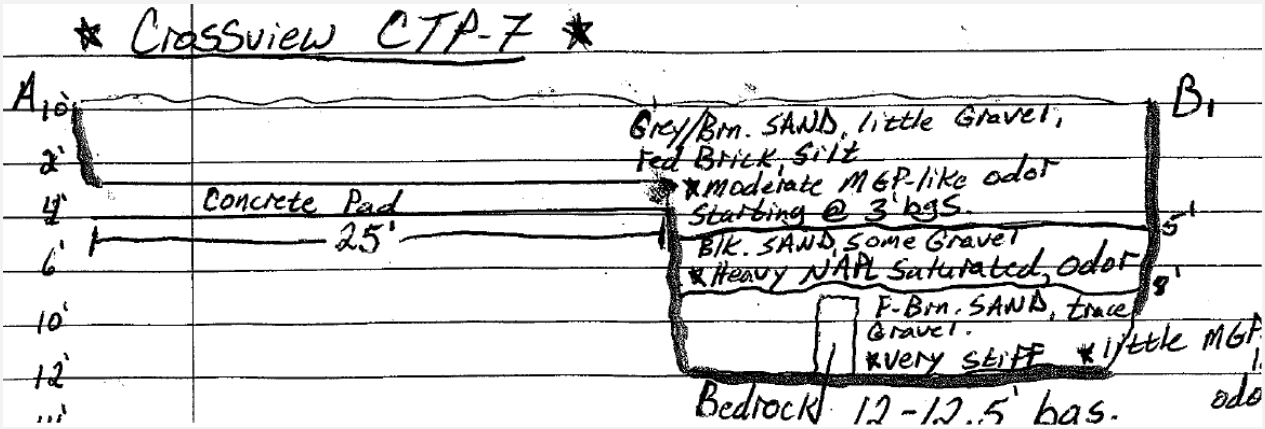
Client:	NYSEG
Project:	Upland Pre-Design Investigation
Location:	Clark Street Former MGP Site, Auburn, New York
Project #:	B0013091
Geologist:	Marcus Eriksson
Date:	9/14/11
Subcontractor:	Parratt-Wolff, Inc.
Equipment:	Deere 120C track excavator

Sketch of Test Pit Layout:

Plan View



Profile View: A,-B,



Test Pit Length:	54’	Total Depth:	14’	Depth to Water:	--

Depth Interval (feet)	Description of Soil/Material
0’-5’	Gray/brown sand, little gravel, red brick, silt (Moderate MGP-like odor at 3’ bgs)
5’-8’	Black sand, some gravel (Heavy NAPL saturation and odor from 5’ to 7’ bgs)
8’-12’	Fine brown sand, trace gravel
12’	Bedrock

Notes:

NA = Not Available/Applicable; bgs = below ground surface

* Not to scale

Photograph Summary:

10	View from W to E, top of gas holder #2
11	View from E to W

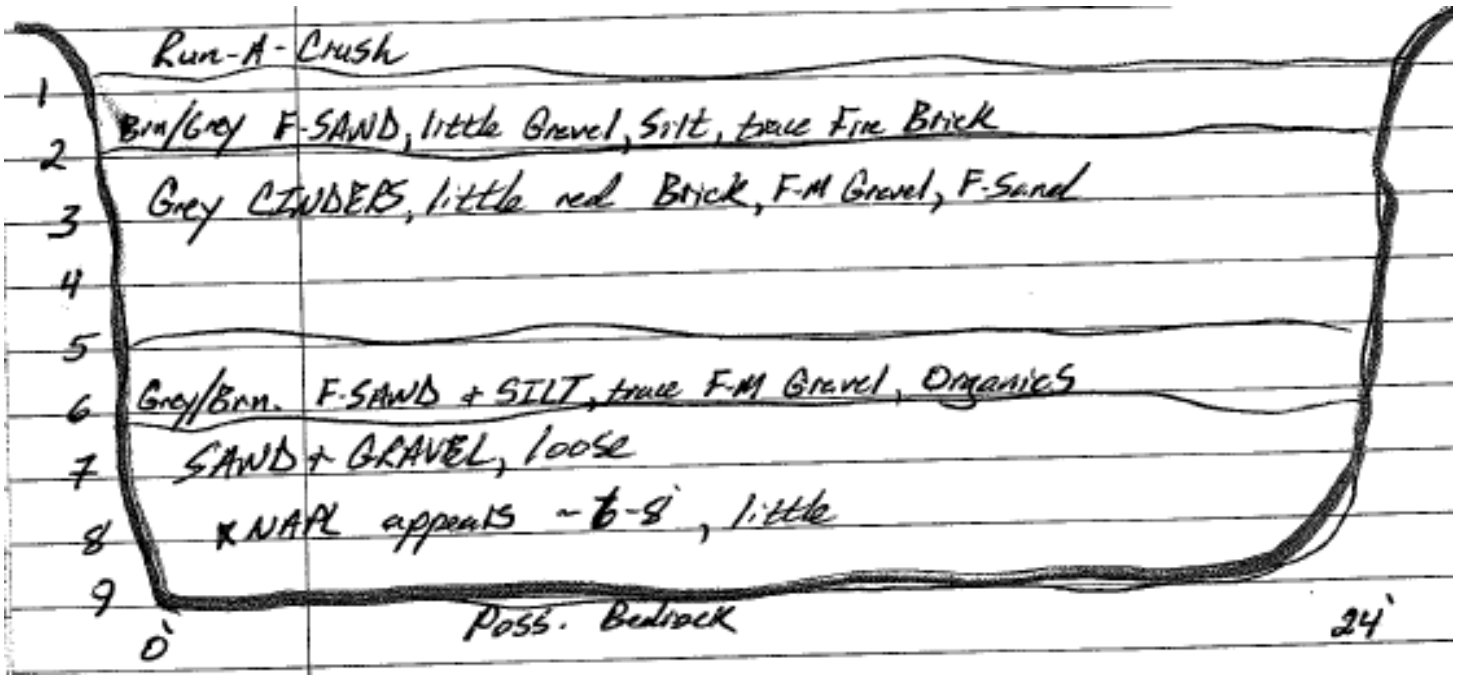
Test Pit Log

Test Pit ID: CTP-8

Client:	NYSEG
Project:	Upland Pre-Design Investigation
Location:	Clark Street Former MGP Site, Auburn, New York
Project #:	B0013091
Geologist:	Marcus Eriksson
Date:	9/16/11
Subcontractor:	Parratt-Wolff, Inc.
Equipment:	Deere 120C track excavator

Sketch of Test Pit Layout:

Cross Section View



Test Pit Length:	24’	Total Depth:	9’	Depth to Water:	--

Depth Interval (feet)	Description of Soil/Material
0’-1’	Crusher run stone
1’-2’	Brown/gray fine sand, little gravel, silt, trace fire brick
2’-5’	Gray cinders, little red brick, fine to medium gravel, fine sand
5’-6’	Gray/brown fine sand and silt, trace fine to medium gravel, organics
6’-9’	Sand and gravel, loose (NAPL observed from 6’ to 8’)
9’	Possible bedrock.

Notes:

NA = Not Available/Applicable; bgs = below ground surface
* Not to scale

Photograph Summary:

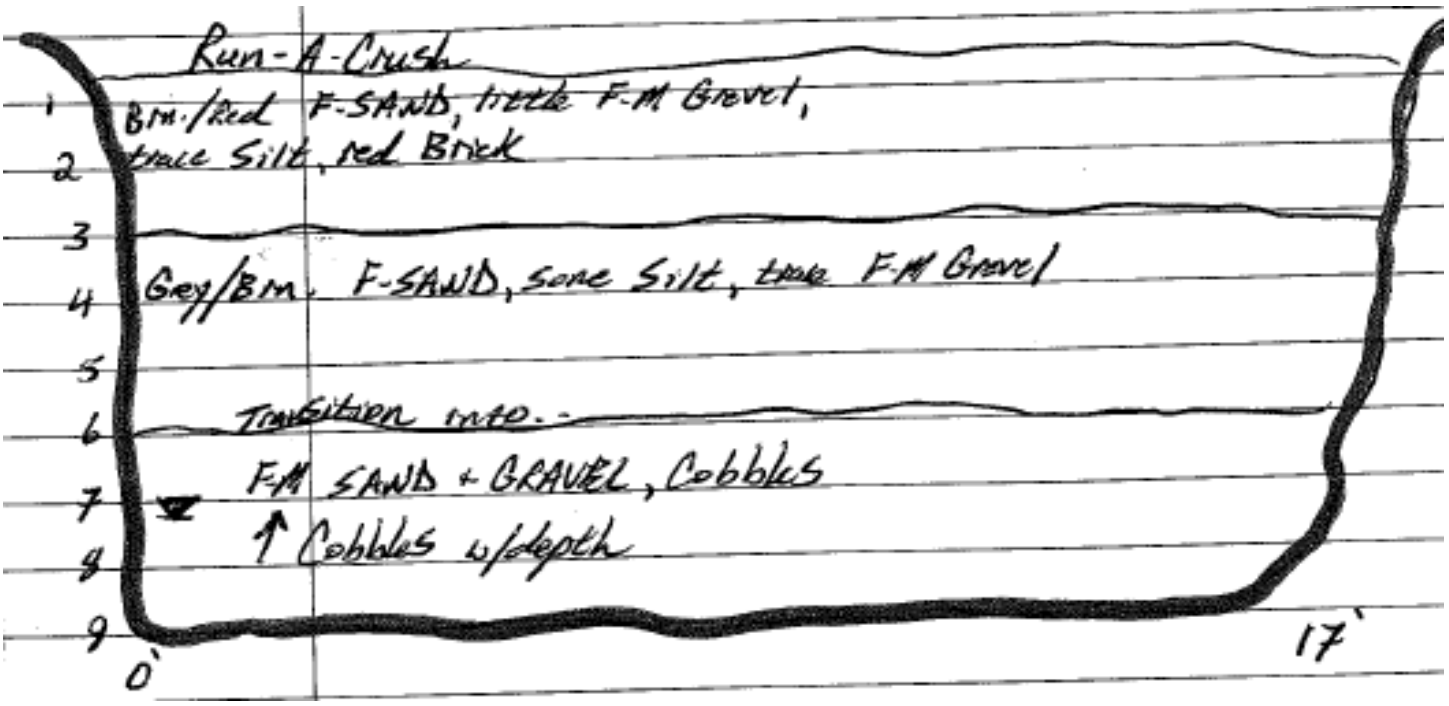
Test Pit Log

Test Pit ID: CTP-9

Client:	NYSEG
Project:	Upland Pre-Design Investigation
Location:	Clark Street Former MGP Site, Auburn, New York
Project #:	B0013091
Geologist:	Marcus Eriksson
Date:	9/16/11
Subcontractor:	Parratt-Wolff, Inc.
Equipment:	Deere 120C track excavator

Sketch of Test Pit Layout:

Cross Section View



Test Pit Length:	**17'**	**Total Depth:**	**9'**	**Depth to Water:**	**--**

Depth Interval (feet)	Description of Soil/Material
0'-0.5'	Crusher run stone
1'-3'	Brown/red fine sand, little fine to medium gravel, trace silt, red brick
3'-6'	Gray/brown fine sand, some silt, trace fine to medium gravel
6'-9'	Fine to medium sand and gravel, cobbles (increasing with depth)
9'	Bedrock

Notes:

NA = Not Available/Applicable; bgs = below ground surface
* Not to scale

Photograph Summary:

12	Looking S to N into CTP-9

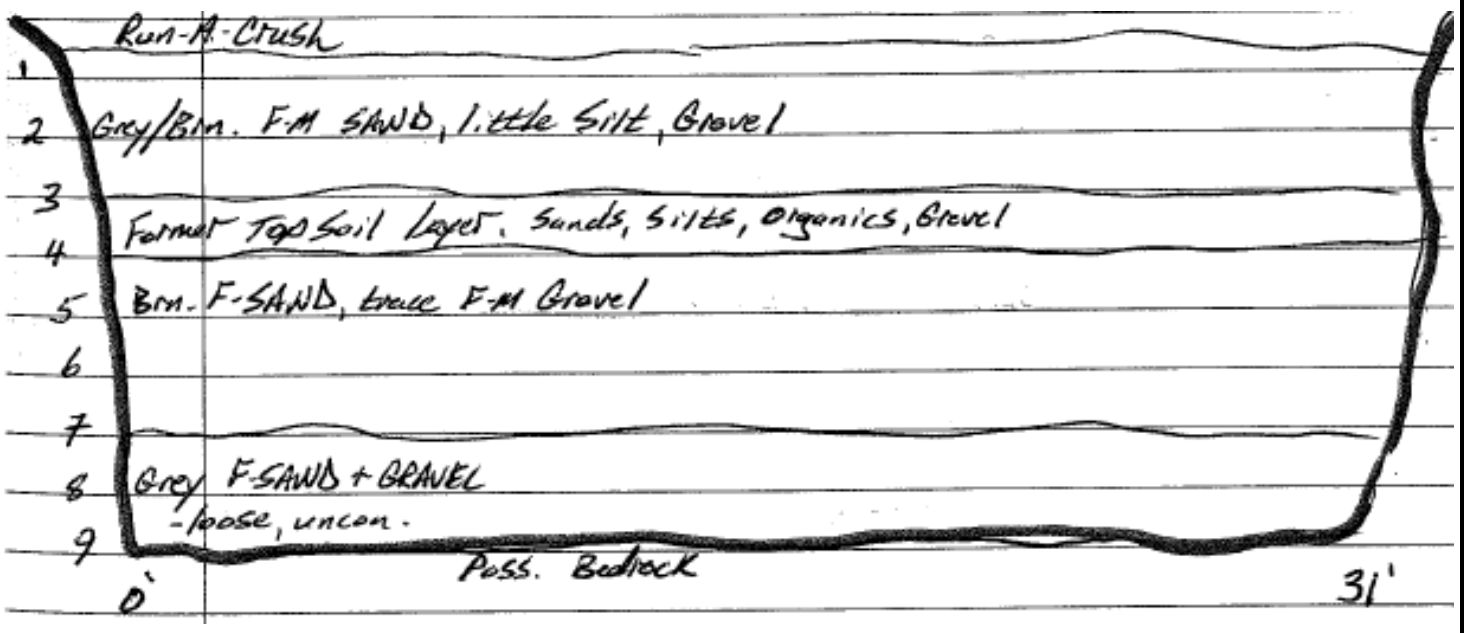
Test Pit Log

Test Pit ID: CTP-10

Client:	NYSEG
Project:	Upland Pre-Design Investigation
Location:	Clark Street Former MGP Site, Auburn, New York
Project #:	B0013091
Geologist:	Marcus Eriksson
Date:	9/19/11
Subcontractor:	Parratt-Wolff, Inc.
Equipment:	Deere 120C track excavator

Sketch of Test Pit Layout:

Cross Section View



Test Pit Length:	**31'**	**Total Depth:**	**9'**	**Depth to Water:**	**--**

Depth Interval (feet)	Description of Soil/Material
0'-0.5'	Crusher run stone
0.5'-3'	Gray brown fine to medium sand, little silt, gravel
3'-4'	Former topsoil layer, sands, little silt, organics, gravel
4'-7'	Brown fine sand, trace of fine to medium gravel
7'-9'	Gray fine sand and gravel, loose, unconsolidated
9'	Bedrock

Notes:

NA = Not Available/Applicable; bgs = below ground surface

* Not to scale

Photograph Summary:

13	Looking W to E into CTP-10

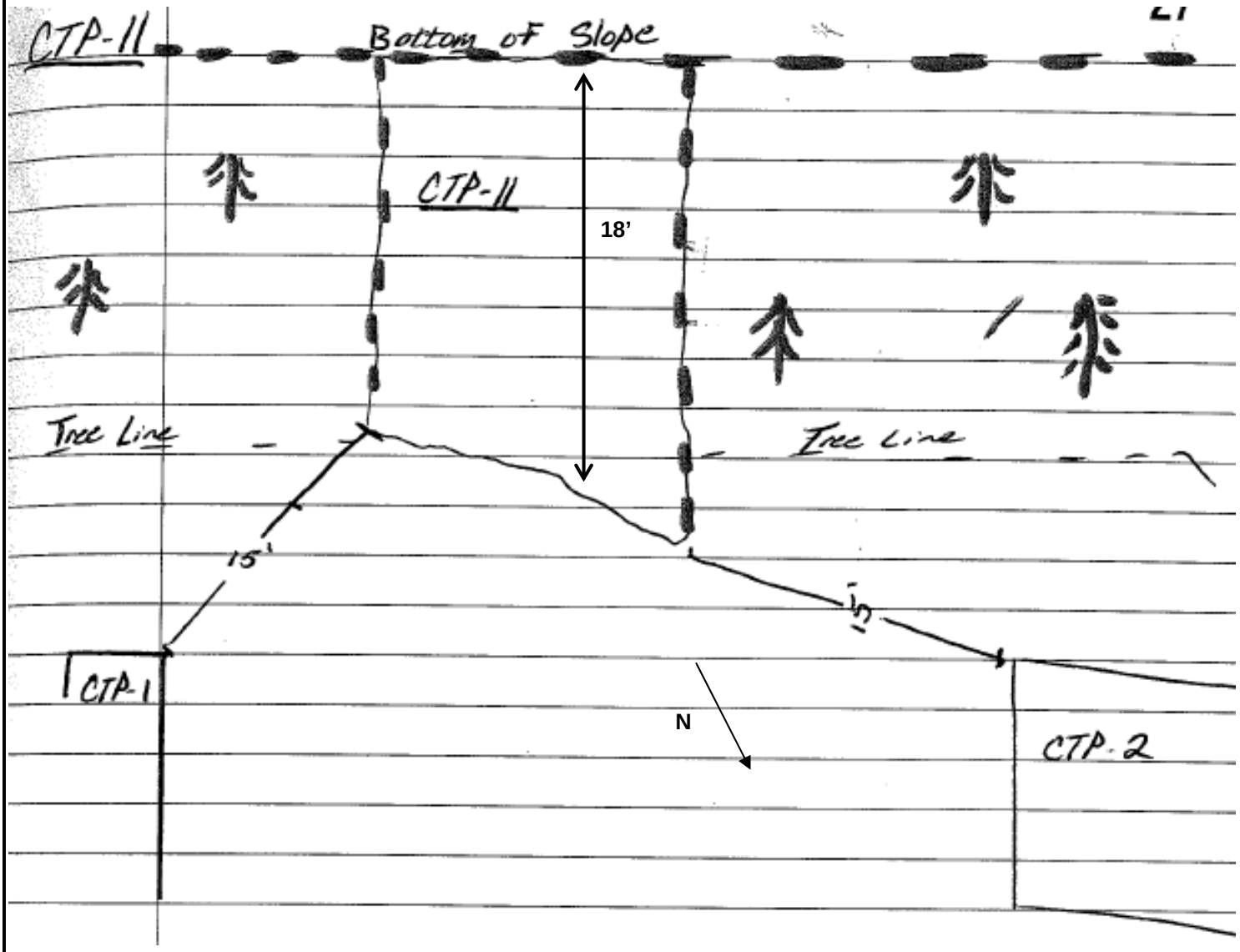
Test Pit Log

Test Pit ID: CTP-11

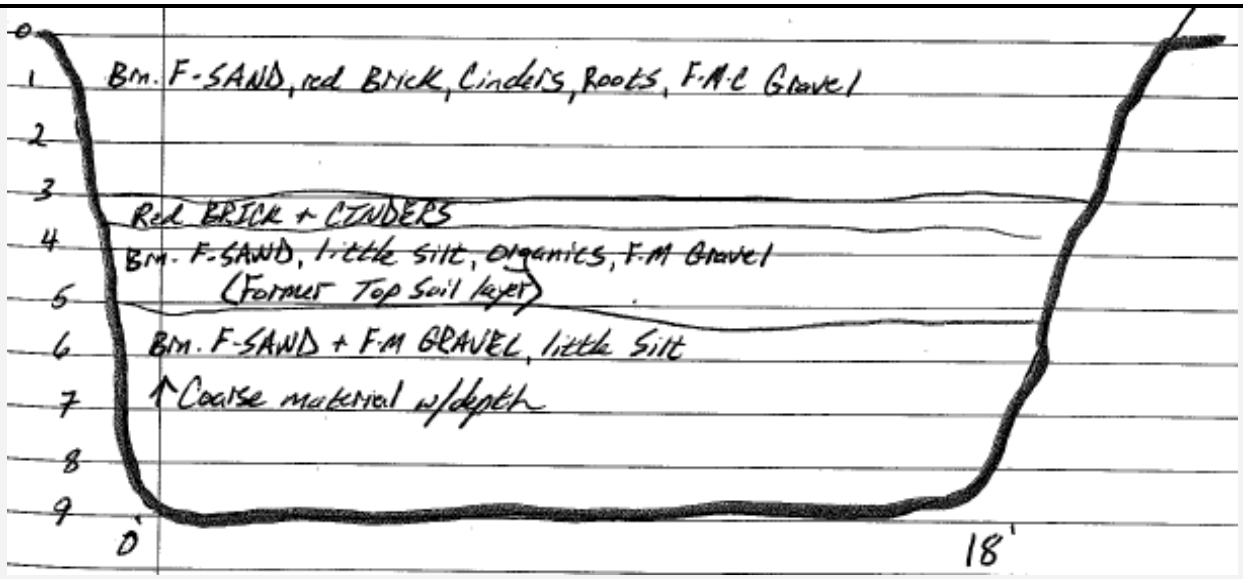
Client:	NYSEG
Project:	Upland Pre-Design Investigation
Location:	Clark Street Former MGP Site, Auburn, New York
Project #:	B0013091
Geologist:	Marcus Eriksson
Date:	9/19/11
Subcontractor:	Parratt-Wolff, Inc.
Equipment:	Deere 120C track excavator

Sketch of Test Pit Layout:

Plan View



Cross Section View



Test Pit Length:	18’	Total Depth:	9’	Depth to Water:	--

Depth Interval (feet)	Description of Soil/Material
0’-3’	Brown fine sand, red brick, cinders, roots, fine to medium to coarse gravel
3’-5’	Red brick and cinders
5’-9’	Brown to fine sand and fine to medium gravel, little silt, coarseness increasing with depth
9’	Bedrock

Notes:

NA = Not Available/Applicable; bgs = below ground surface
* Not to scale

Photograph Summary:

14	View from north to south

Attachment 6

Photo Log with Figure

Photo #1 (2011.09.19): CTP1. Sheen/NAPL observed flowing in groundwater into bottom of test pit (looking south to north).

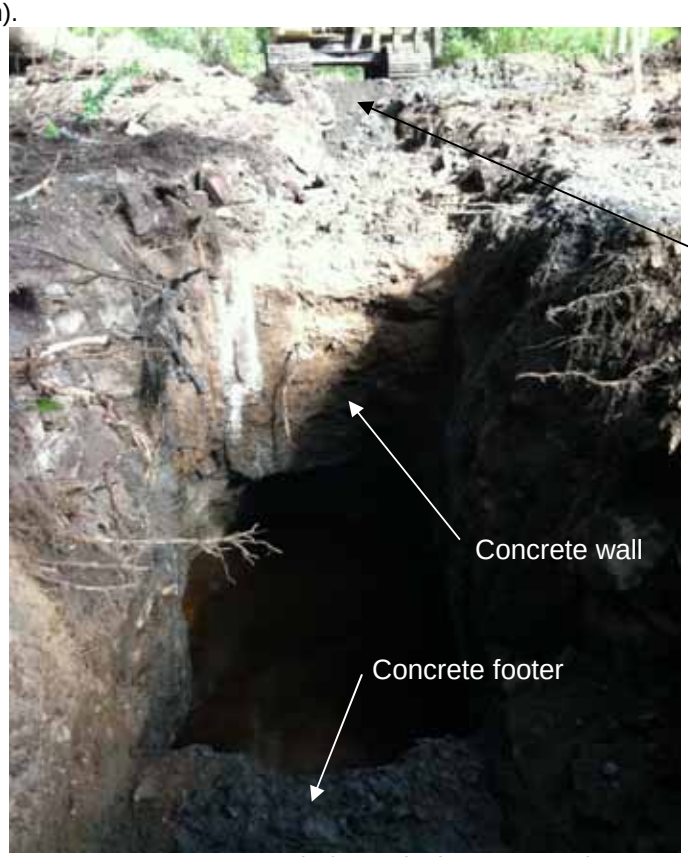


Photo #2 (2011.09.16): CTP-2. Water at east end of test pit , heavy NAPL impacts at end of footer.

Client: NYSEG	
Project: B0013091.0004.00130	ARCADIS
Site: Clark Street Former Manufactured Gas Plant Site	
Site Location: Auburn, New York	

Photo #3 (2011.09.15): CTP-3. Dark stained soil looking east from top of gas holder #1.

Photo #4 (2011.09.15): CTP-4. Possible old top soil layer located just above dark staining.

Client:	NYSEG
Project:	B0013091.0004.00130
Site:	Clark Street Former Manufactured Gas Plant Site
Site Location:	Auburn, New York

ARCADIS

Photo #5 (2011.09.15): CTP-4A. Perched water, NAPL found at this location. Looking at north side of east end of test pit

Photo #6 (2011.09.15): CTP-5. Gas holder #1 wall along east side of test pit at southwest end, NAPL blebs along bottom of test pit wall.

Photo #7 (2011.09.15):CTP-5. Gas holder #1 wall runs along length of test pit. Wall along east side of test pit. Stained soil beneath holder foundation.

Photo #8 (2011.09.14): CTP-6. Looking east to west from top of gas holder #2. 8” vertical pipe observed 3’ below groundwater surface.

	Client: NYSEG
	Project: B0013091.0004.00130
	Site: Clark Street Former Manufactured Gas Plant Site
	Site Location: Auburn, New York

ARCADIS

Photo #9 (2011.09.14):CTP-6. 8” vertical pipe along gas holder #2 wall. Heavy NAPL impact between two gas holders.

Photo #10 (2011.09.14): CTP-7. Looking west to east, top of gas holder #2.

Photo #11 (2011.09.14): CTP-7. Looking east to west at start of test pit at east side of gas holder.

Photo #12 (2011.09.16): CTP-9. Looking south. Excavator completing test pit.

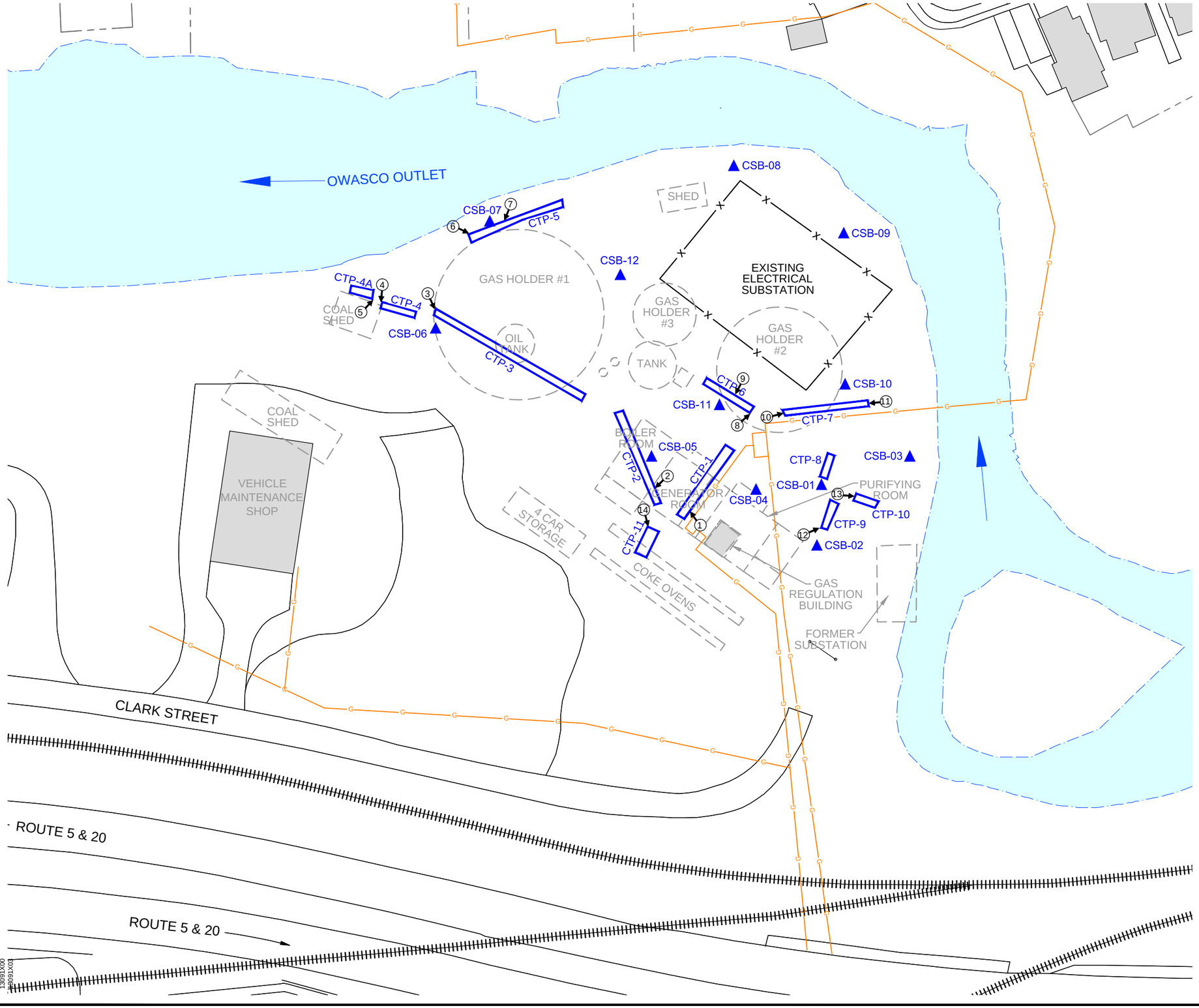
Photo #13 (2011.09.16): CTP-8. Looking south. NAPL from 6 to 8 ft bgs.

Photo #14 (2011.09.16): CTP-9. Looking south to north of test pit, no visual impacts.

Client: NYSEG	
Project: B0013091.0004.00130	ARCADIS
Site: Clark Street Former Manufactured Gas Plant Site	
Site Location: Auburn, New York	

Photo #15 (2011.09.14): CTP-10. Looking west to east, possible grounding wire at east end of test pit.

Photo #16 (2011.09.19): CTP-11. Looking north to south, no visual impacts.



LEGEND:

- CSB-10 ▲ PDI SOIL BORING
- CTP-1 PDI TEST PIT LOCATION
- NATURAL GAS LINE
- CHAIN LINK FENCE
- RAILROAD
- FORMER MGP STRUCTURE/FORMER ELECTRICAL SUBSTATION
- EXISTING BUILDING
- (5) DIRECTION PHOTO WAS TAKEN
- PHOTO NUMBER

NOTE:

BASEMAP GENERATED FROM SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT FIGURE 1-2 PREPARED BY URS (1117329.00000\DB\GIS\SITEPLAN.MXD) DATED 07/13/2006 AND BASED ON SURVEY ACTIVITIES CONDUCTED BY PAUL OLSZEWSKI, PLS LAND SURVEYING DURING OCTOBER 2011.

0 60' 120'

GRAPHIC SCALE

NYSEG
CLARK STREET FORMER MGP SITE
AUBURN, NEW YORK
UPLAND PDI SUMMARY REPORT

TEST PIT PHOTO LOCATIONS

ARCADIS

FIGURE 1

CITY: SYRACUSE, NY DIV/GROUP: ENV/IM-DIV DB: A. SCHILLING, P. LISTER PM/TM: J. BRIEN TR: L. ZURANSKI LYR: ON=*;OFF=REF; (FRZ)
G:\ENVCAD\SYRACUSE\ACTIB\01309\100040\01309DWG\13091B03.dwg LAYOUT: 1 SAVED: 12/20/2011 8:53 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/20/2011 8:53 AM BY: ALLEN ROYCE (FRZ)
XREFS: IMAGES: PROJECTNAME: ----
13091X02
13091X00
13091X03

ARCADIS

Attachment 7

Groundwater Sampling Logs
(on CD)

GROUNDWATER SAMPLING LOG

Site Clark St. | ***NYSEG Auburn, NY*** | ***Event:*** *2011 Treatability Sampling*

Sampling Personnel:	LGT/LZ	**Well ID:**	MW-28
Client / Job Number:	NYSEG/B0013091	**Date:**	9-26-11
Weather:	SUNNY 70's	**Time In:**	1200 **Time Out:**

Well Information

Depth to Water:	7.61	(feet TIC)
Total Depth:	31.15	(feet TIC)
Length of Water Column:	23.54	(feet)
Volume of Water in Well:	~15	(gal)

Well Type:	Flushmount	(Stick-Up)	
Well Material:	(Stainless Steel)	PVC	
Well Locked:	Yes	(No)	
Measuring Point Marked:	Yes	(No)	
Well Diameter:	1"	2"	Other: 4"

Purging Information

Purging Method:	(Bailer)	Peristaltic	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	(Bailer)	Peristaltic	Grundfos	Other:

Duration of Pumping:	(min)			
Average Pumping Rate:	(ml/min)	Water-Quality Meter Type:	U-22 Horiba	
Total Volume Removed:	(gal)	Did well go dry:	Yes	(No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10
	1215	1250	1255							
Volume Purged (gal)	1000 gal	15 gal								
Rate (mL/min)	—	—	S							
Depth to Water (ft.)	7.61	7.61	A							
pH	8.46	7.33	M							
Temp. (C)	18.01	16.34	P							
Conductivity (mS/cm)	1.85	2.16	L							
Dissolved Oxygen (mg/l)	5.06	2.05	E							
ORP (mV)	-228	-119								
Turbidity (NTU)	122	36.3								
Notes:	~DE									

Sampling Information

Analyses	#	Laboratory
Sample ID: MW-02B		Sample Time: 1255
MS/MSD:	(Yes)	No
Duplicate:	Yes	(No)
Duplicate ID		Dup Time:
Chain of Custody Signed By:	LGT	

Problems / Observations

Initial Purge: DECAYING ORGANIC LIKE ODOR, CLOUDY, BROWN, FEATHERS, BIRD

Final Purge: SLIGHTLY TURBID, DECAYING ORGANIC LIKE ODOR

GROUNDWATER SAMPLING LOG

Site Clark St. | ***NYSEG Auburn, NY*** | *Event:* 2011 Treatability Sampling

Sampling Personnel:	LGT/LZ	**Well ID:**	MW-04B
Client / Job Number:	NYSEG/B0013091	**Date:**	9/26/11
Weather:	80°F sunny	**Time In:**	1200 **Time Out:**

Well Information

Depth to Water:	7.65	(feet TIC)
Total Depth:	29.09	(feet TIC)
Length of Water Column:	21.44	(feet)
Volume of Water in Well:	14.0	(gal)

Well Type:	Flushmount	(Stick-Up)	
Well Material:	(Stainless Steel)	PVC	
Well Locked:	Yes	(No)	
Measuring Point Marked:	(Yes)	No	
Well Diameter:	1"	2"	Other: 4"

Purging Information

Purging Method:	(Bailer)	Peristaltic	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	(Bailer)	Peristaltic	Grundfos	Other:

Duration of Pumping: — (min)

Average Pumping Rate: — (ml/min) Water-Quality Meter Type: U-22 Horiba

Total Volume Removed: 14.0 (gal) Did well go dry: Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10
Volume Purged (gal)	4gal.	14gal								
Rate (mL/min)	—	—								
Depth to Water (ft.)	11.01	—								
pH	7.62	7.32								
Temp. (C)	23.36	17.89								
Conductivity (mS/cm)	1.31	0.475								
Dissolved Oxygen (mg/l)	666.6	33.1								
ORP (mV)	-122	-126								
Turbidity (NTU)	32.0	40.0								
Notes:	Sheen on purge water	Sheen on purge water								

Sampling Information

Analyses	#	Laboratory
Sample ID: MW-04B(09262011) Sample Time: 1310		
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID	Dup. Time:	
Chain of Custody Signed By:		

Problems / Observations

Initial Purge: strong odor, sheen on purge water

Final Purge:

GROUNDWATER SAMPLING LOG

Site Clark St. | ***NYSEG Auburn, NY*** | *Event:* 2011 Treatabiiity Sampling

Sampling Personnel:	LGT/LZ	**Well ID:**	MW-04
Client / Job Number:	NYSEG/B0013091	**Date:**	9-26-11
Weather:	78°F sunny.	**Time In:**	1200 **Time Out:**

Well Information

Depth to Water:	6.99	(feet TIC)
Total Depth:	12.47	(feet TIC)
Length of Water Column:	5.48	(feet)
Volume of Water in Well:	~~0.89~~ ~~3.58~~	(gal) 0.89

Well Type:	Flushmount	Stick-Up	
Well Material:	Stainless Steel	~~PVC~~	(PVC)
Well Locked:	Yes	No	
Measuring Point Marked:	Yes	No	
Well Diameter:	1"	2" (2")	Other: 4" (4")

Purging Information

Purging Method:	(Bailer)	Peristaltic	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	(Bailer)	Peristaltic	Grundfos	Other:
Duration of Pumping:	— (min)			
Average Pumping Rate:	— (ml/min)	Water-Quality Meter Type:	U-22 Horiba	
Total Volume Removed:	1.1 (gal)	Did well go dry:	Yes	(No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10
Volume Purged (gal)	0.8	1.0								
Rate (mL/min)	—	—								
Depth to Water (ft.)	7.05	7.08								
pH	7.31	7.16								
Temp. (C)	23.79	23.05								
Conductivity (mS/cm)	0.375	0.368								
Dissolved Oxygen (mg/l)	4.19	2.85								
ORP (mV)	165	320								
Turbidity (NTU)	0.0	0.0								
Notes:	dark brown very turbid →									

Sampling Information

Analyses	#	Laboratory
Sample ID: MW-04(09242011)	Sample Time: 1430	
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID —	Dup. Time: —	
Chain of Custody Signed By:		

Problems / Observations

Initial Purge:

Final Purge:

GROUNDWATER SAMPLING LOG

Site Clark St. | ***NYSEG Auburn, NY*** | *Event:* 2011 Treatability Sampling

Sampling Personnel:	LGT/LZ	**Well ID:**	MW-02
Client / Job Number:	NYSEG/B0013091	**Date:**	6-26-11
Weather:	SUNNY, 70's	**Time In:**	1500 **Time Out:**

Well Information

Depth to Water:	5.21	(feet TIC)
Total Depth:	13.27	(feet TIC)
Length of Water Column:	7.06	(feet)
Volume of Water in Well:	1.0	(gal)

Well Type:	Flushmount	Stick-Up	
Well Material:	Stainless Steel	PVC	
Well Locked:	Yes	No	
Measuring Point Marked:	Yes	No	
Well Diameter:	1"	2"	Other:

Purging Information

Purging Method:	Bailer	Peristaltic	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	Polyethylene	Teflon	Other:
Sampling Method:	Bailer	Peristaltic	Grundfos	Other:
Duration of Pumping:	— (min)			
Average Pumping Rate:	— (ml/min)	Water-Quality Meter Type:	U-22 Horiba	
Total Volume Removed:	1.2 (gal)	Did well go dry:	Yes	No

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10
	1515	1525								
Volume Purged (gal)	~~1~~	1.2								
Rate (mL/min)	—	—								
Depth to Water (ft.)	—	—								
pH	8.85	7.92								
Temp. (C)	19.47	16.47								
Conductivity (mS/cm)	2.86	3.03								
Dissolved Oxygen (mg/l)	4.77	3.55								
ORP (mV)	112	114								
Turbidity (NTU)	128	>800								
Notes:										

Sampling Information

Analyses	#	Laboratory
Sample ID:		Sample Time: 1530
MS/MSD:	Yes	No
Duplicate:	Yes	No
Duplicate ID		Dup. Time:
Chain of Custody Signed By:		

Initial Purge: RED-BROWN

Final Purge:

Problems / Observations

SOFT BOTTOM, TURBID,

GROUNDWATER SAMPLING LOG

Site Clark St. | ***NYSEG Auburn, NY*** | ***Event:*** *2011 Treatability Sampling*

Sampling Personnel: ~~LGT/LZ~~ MED / LMZ
Well ID: MW-06
Client / Job Number: NYSEG/B0013091
Date: 9/28/11
Weather: 70°F, sunny, humid
Time In: 1000 **Time Out:**

Well Information

Depth to Water:	5.62	(feet TIC)
Total Depth:	13.4	(feet TIC)
Length of Water Column:	7.78	(feet)
Volume of Water in Well:	1.27	(gal)

Well Type:	(Flushmount)		Stick-Up
Well Material:	Stainless Steel		(PVC)
Well Locked:		Yes	(No)
Measuring Point Marked:		(Yes)	No
Well Diameter:	1"	(2")	Other:

Purging Information

Purging Method:	(Bailer)	Peristaltic	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	(Bailer)	Peristaltic	Grundfos	Other:

Duration of Pumping: — (min)
Average Pumping Rate: — (ml/min) Water-Quality Meter Type: U-22 Horiba
Total Volume Removed: 1.45 (gal) Did well go dry: Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3 785 L =3785 ml = 0 1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10
Volume Purged (gal)	0.6	1.4								
Rate (mL/min)	—	—								
Depth to Water (ft.)	11.01	12.00								
pH	8.52	8.21								
Temp. (C)	18.5	17.4								
Conductivity (mS/cm)	.621	.596								
Dissolved Oxygen (mg/l)	2.88	.95								
ORP (mV)	-125	-124								
Turbidity (NTU)	0	0								
Notes:	odor, brown, slightly turbid	odor, brown, very turbid								

Sampling Information

Analyses	#	Laboratory
Sample ID: MW-06		Sample Time: 1030
MS/MSD:	Yes	(No)
Duplicate:	Yes	(No)
Duplicate ID —		Dup. Time: —
Chain of Custody Signed By:		

Problems / Observations

Initial Purge:

Final Purge: well slow to recharge

screen - 2-12' bgs.

GROUNDWATER SAMPLING LOG

Site Clark St. | **NYSEG Auburn, NY** | **Event:** 2011 Treatability Sampling

Sampling Personnel: LGT/LZ
Well ID: MW-03
Client / Job Number: NYSEG/B0013091
Date: 9/28/11
Weather: 80°F, sunny, breezy, humid
Time In: **Time Out:**

Well Information

Depth to Water:	6.28	(feet TIC)
Total Depth:	15.62	(feet TIC)
Length of Water Column:	9.34	(feet)
Volume of Water in Well:	1.52	(gal)

Well Type:	Flushmount	(Stick-Up)		
Well Material:	(Stainless Steel)	PVC		
Well Locked:	(Yes)	No		
Measuring Point Marked:	(Yes)	No		
Well Diameter:	1"	(2")	Other:	

Purging Information

Purging Method:	(Bailer)	Peristaltic	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	(Bailer)	Peristaltic	Grundfos	Other:

Duration of Pumping: — (min)
Average Pumping Rate: — (ml/min) Water-Quality Meter Type: U-22 Horiba
Total Volume Removed: 1.5 (gal) Did well go dry: Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10
Volume Purged (gal)	.6	1.5								
Rate (mL/min)	—	—								
Depth to Water (ft.)	6.28	12.12								
pH	7.52	7.10								
Temp. (C)	20.43	18.68								
Conductivity (mS/cm)	.469	.457								
Dissolved Oxygen (mg/l)	2.23	2.49								
ORP (mV)	93	96								
Turbidity (NTU)	0	0								
Notes:	no odor slightly turbid	no odor brown very turbid								

Sampling Information

Analyses	#	Laboratory
Sample ID: MW-03		Sample Time: 1130
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID —		Dup. Time: —
Chain of Custody Signed By:		

Problems / Observations

Initial Purge:

Final Purge: well slow to recover

GROUNDWATER SAMPLING LOG

Site Clark St. | ***NYSEG Auburn, NY*** | *Event:* 2011 Treatability Sampling

Sampling Personnel:	LGT/LZ	**Well ID:**	MW-05
Client / Job Number:	NYSEG/B0013091	**Date:**	9/28/11
Weather:	80° overcast	**Time In:**	**Time Out:**

Well Information

Depth to Water:	3.66	(feet TIC)
Total Depth:	12.91	(feet TIC)
Length of Water Column:	9.25	(feet)
Volume of Water in Well:	1.5	(gal)

Well Type:	(Flushmount)	Stick-Up	
Well Material:	Stainless Steel	(PVC)	
Well Locked:	Yes	(No)	
Measuring Point Marked:	Yes	(No)	
Well Diameter:	1"	(2")	Other:

Purging Information

Purging Method:	(Bailer)	Peristaltic	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	(Bailer)	Peristaltic	Grundfos	Other:

Duration of Pumping:	—	(min)		
Average Pumping Rate:	—	(ml/min)	Water-Quality Meter Type:	U-22 Horiba
Total Volume Removed:	1.5	(gal)	Did well go dry:	Yes / No

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10
Volume Purged (gal)	1.0	1.5								
Rate (mL/min)	—	—								
Depth to Water (ft)	—	—								
pH	7.22	7.21								
Temp. (C)	21.35	20.04								
Conductivity (mS/cm)	0.774	0.904								
Dissolved Oxygen (mg/l)	1.59	1.16								
ORP (mV)	-124	-129								
Turbidity (NTU)	292	182								
Notes:	gray-brown sl. turbid	gray-brown, sl. gritty, turbid								

Sampling Information

Analyses	#	Laboratory
Sample ID: MW-05		Sample Time: 1315
MS/MSD:	Yes	(No)
Duplicate:	(Yes)	No
Duplicate ID: Dup-01		Dup. Time: 1330
Chain of Custody Signed By:		

Problems / Observations

Initial Purge:

Final Purge:

GROUNDWATER SAMPLING LOG

Site Clark St. | ***NYSEG Auburn, NY*** | ***Event:*** *2011 Treatability Sampling*

Sampling Personnel:	LGT/LZ	**Well ID:**	MW-05B
Client / Job Number:	NYSEG/B0013091	**Date:**	9/28/11
Weather:	80° overcast	**Time In:**	**Time Out:**

Well Information

Depth to Water:	5.81	(feet TIC)
Total Depth:	28.22	(feet TIC)
Length of Water Column:	22.41	(feet)
Volume of Water in Well:	14.6	(gal)

Well Type:	(Flushmount)	Stick-Up	
Well Material:	Stainless Steel	(PVC)	
Well Locked:	Yes	(No)	
Measuring Point Marked:	Yes	(No)	
Well Diameter:	1"	2"	Other: 4"

Purging Information

Purging Method:	(Bailer)	Peristaltic	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	(Bailer)	Peristaltic	Grundfos	Other:

Duration of Pumping:	—	(min)		
Average Pumping Rate:	—	(ml/min)	Water-Quality Meter Type:	U-22 Horiba
Total Volume Removed:	15.0	(gal)	Did well go dry: Yes	(No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10
Volume Purged (gal)	8.5	15.0								
Rate (mL/min)	—	—								
Depth to Water (ft.)	—	—								
pH	7.50	7.22								
Temp. (C)	20.32	17.93								
Conductivity (mS/cm)	1.68	1.84								
Dissolved Oxygen (mg/l)	2.02	2.57								
ORP (mV)	-145	-131								
Turbidity (NTU)	64.1	129								
Notes:	strong odor, sheen, turbid. brown	strong odor, sheen turbid brown								

Sampling Information

Analyses	#	Laboratory
Sample ID: MW-05B	Sample Time: 1420	
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID	Dup. Time:	
Chain of Custody Signed By:		

Problems / Observations

Initial Purge:

Final Purge: ~~sheen~~ product coating on bailer