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Transmitted via U.S. Mail

September 5, 2006

Mr. Anthony Karwiel
Environmental Engineer
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7013

Re: NYSEG Binghamton Court Street MGP Site
Pre-Design Investigation Summary Report
BBL Project #: 0130.13059 #2.04

Dear Mr. Karwiel:

This letter report summarizes the results of the Pre-Design Investigation (PDI) conducted by BBL, an ARCADIS company (BBL) at the Binghamton Court Street Manufactured Gas Plant (MGP) site located in Binghamton, New York. The PDI activities were conducted on behalf of New York State Electric & Gas Corporation (NYSEG) in December 2005 and January 2006 in accordance with the November 3, 2005 Scope of Work. These activities were conducted to obtain additional information required to complete the design of the non-aqueous phase liquid (NAPL) barrier wall for the former MGP Site. NYSDEC approved the passive NAPL barrier wall conceptual design in a letter dated February 16, 2006. The PDI activities were conducted along the proposed alignment of the barrier wall.

At NYSEG's request, BBL also investigated the former No. 1 gas holder to better characterize its contents. NYSEG emailed you the scope-of-work for that activity on December 7, 2005, which you approved (also via email) later that same day.

Lastly, BBL conducted a round of fluid-level measurements from selected new and existing monitoring locations in April 2006. The primary purpose of this effort was to provide data on the occurrence of pooled NAPL near the barrier alignment and inside Holder No. 1 for use during design of the barrier.

Pre-Design Investigation

The pre-design investigation consisted of drilling six geotechnical borings and conducting various geotechnical laboratory tests on selected soil samples. According to the scope of work letter dated November 22, 2005, seven geotechnical borings were proposed (GT-1 through GT-7). Geotechnical boring GT-5 was eliminated from the PDI because data previously collected at nearby and existing monitoring well MW93-1D were determined sufficient to assess geotechnical conditions and till depth in that area. The boring locations are shown on Figure 1.

The borings were drilled by Lyon Drilling Company (Tully, NY) using a CME-55 truck-mounted drill rig. Standard penetration tests (SPTs) were performed at each boring according to ASTM Method 1586.

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At each boring, SPTs were performed continuously (at 2-foot intervals) through the fill layer (assumed to be 20 feet thick), and at standard (5-foot) intervals.

At the request of NYSDEC, continuous sampling was performed at boring locations GT-4 and GT-6 to define depth extents of MGP-related impacts observed while sampling. Continuous sampling was conducted to 30 feet bgs and 40 feet at boring locations GT-4 and GT-6, respectively. Once MGP-related impacts were no longer observed in the soil, sampling was conducted at standard (5-foot) intervals to final depth at those locations.

The geotechnical logs for each soil boring are presented in Attachment 1. Using these and previously collected subsurface data, geotechnical cross-sections along the proposed barrier trench alignment were generated (Figures 2 and 3). As shown in the figures, the general subsurface geotechnical conditions show a consistent stratigraphic package at the site consisting of:

- Fill;
- Sandy Silt;
- Sand and Gravel; and
- Dense Till.

As expected, NAPL-impacted soils were sporadically encountered at several borings. The distribution of these impacts was generally consistent with the findings of the Remedial Investigation. During drilling at boring location GT-2, an oily NAPL (nonaqueous phase liquid) was observed near the water table (about 16 feet below grade). This NAPL was different in color and odor than the NAPL identified in borings GT-4 and GT-6 which were drilled near structures associated with the former MGP. Because this NAPL was judged to potentially be unrelated to the site, and possibly a light NAPL (LNAPL), a shallow monitoring well (NMW-5) was installed approximately five feet north of the location of GT-2 (Figure 1). The monitoring well was screened across the water table and the NAPL-impacted interval. The monitoring well log for NMW-5 is presented in Attachment 1.

Selected SPT samples were sent to GeoTesting Express of Boxborough, Massachusetts (GeoTesting) for one or more of the following geotechnical tests:

- Atterberg limits (ASTM D4318);
- Grain-size analysis with hydrometer (ASTM D422);
- Grain-size analysis with #200 wash (ASTM D422 and ASTM D1140);
- Specific Gravity Test (ASTM D854);
- Direct Shear Test (ASTM D3080); and
- Hydraulic Conductivity Test (ASTM D5084).

The results of the geotechnical analyses are present in Attachment 2.

Cohesive soils were only encountered at geotechnical soil boring GT-4. An attempt to collect a Shelby tube sample was made at the 16-18-foot depth interval; however, the Shelby tube sample was crushed during sample collection and could not be analyzed.

Investigation-derived waste (IDW) generated during the PDI, including drill cuttings and decontamination water, was staged onsite in New York State Department of Transportation- (NYSDOT-) approved 55-gallon drums (supplied by Lyon Drilling) for disposal by NYSEG.

To characterize the IDW for disposal, BBL collected one composite cuttings sample and one composite decontamination-water sample and shipped them to Severn Trent Laboratories of Buffalo, New York (STL-Buffalo) for analysis. The composite soil sample was analyzed for the following parameters:

- TCL-VOCs (USEPA Method 8260);
- Total RCRA Metals;
- TCL SVOCs (USEPA Method 8270);
- PCBs (USEPA Method 8082);
- Total Solids (USEPA Method 2540G);
- Flashpoint (USEPA Method 1010); and
- pH (USEPA Method 9045).

The composite water sample was analyzed for the following parameters:

- PCB (USEPA Method 8082);
- BTEX (USEPA Method 602);
- Flashpoint (USEPA Method 1010); and
- pH (USEPA Method 150.1).

The analytical results are presented in Attachment 3.

No. 1 Gas Holder Investigation

Three soil borings were drilled to examine the potential for MGP-related impacts to soil within the footprint of the No. 1 Gas Holder. The borings were drilled to a depth of approximately 14 feet below ground surface. This depth corresponded to the approximate depth to the bottom of the No. 1 Gas Holder based upon data collected at soil boring TB-11 during a previous investigation.

Continuous split-spoon sampling was conducted at each boring to observe the conditions within the No. 1 Gas Holder. The locations of the soil borings, designated as SB-401, SB-402, and SB-403, are shown on Figure 1. The soil boring logs are presented Attachment 1. The material contained in the holder consisted predominantly of sand, gravel, crushed stone, and crushed brick. This fill material was encountered to the termination depth at all three soil borings. Each soil boring was advanced until refusal. Refusal may indicate the bottom of the former holder; however, large objects such as boulders or construction debris can also cause refusal. Potential MGP-related impacts were only identified at one boring, SB-402. As a result, a shallow NAPL collection well (designated at NMW-4) was installed in this boring and screened across the entire visibly impacted interval.

Analytical samples were collected from the deepest intervals at each soil boring drilled within the footprint of the No. 1 Gas Holder. At SB-401, the sampled interval was from 8 to 12 feet. At SB-402 and SB-403, the sampled intervals were both 10 to 14 feet. The length of the sample intervals was the result of poor soil recovery in the deepest split-spoon sample at each of the soil borings. Each soil sample was submitted to STL-Buffalo for the following analyses:

- TCLP Benzene;
- BTEX (USEPA Method 8260); and
- Total PAHs (USEPA Method 8270).

The analytical results of the No.1 Gas Holder sampling are contained in Attachment 3.

Fluid-Level Measurement Round

On Thursday April 20, 2006, BBL conducted a fluid-level measurement round. The collected data are presented in Table 1. The objective of the measurement round was to check for accumulated NAPL at

selected wells to provide information for designing the NAPL barrier. NAPL was not identified in any of the wells located along the proposed barrier alignment or in the well installed inside former Gas Holder No. 1 (NMW-4). The generally NAPL-free nature of the material contained in the foundation of the former holder, coupled with the absence of accumulated NAPL in NMW-4, indicates that a large volume of pooled NAPL is not present inside the holder remnants. As such, this holder does not represent a concern to the effectiveness of the barrier trench.

NAPL was observed at one piezometer pair located in Court Street (PZ-03-06A/B). The NAPL was a light nonaqueous phase liquid (LNAPL). Disposable bailers were used to slowly collect LNAPL from the top down. Approximately 500 milliliters (mL) and 3,000 mL of LNAPL were removed from PZ-03-06A and PZ-03-06B, respectively.

If you have any questions or comments regarding this letter, please contact Tracy Blazicek at (607) 762-8839.

Sincerely,

BLASLAND, BOUCK & LEE, INC.

Margaret A. Carrillo-Sheridan, P.E.
Vice President

JCS/plf
Attachments

cc: Tracy Blazicek, CIIMM, New York State Electric & Gas Corporation
Keith White, C.P.G., Blasland, Bouck & Lee, Inc.
Philip Burgmeier, P.E., Blasland, Bouck & Lee, Inc.
Joseph Molina, P.E., Blasland, Bouck & Lee, Inc.

TABLES

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TABLE 1
FLUID-LEVEL DATA - 4/20/2006

PRE-DESIGN INVESTIGATION SUMMARY REPORT
NEW YORK STATE ELECTRIC & GAS CORPORATION
COURT STREET MGP SITE
BINGHAMTON, NEW YORK

Well ID	Depth to Water	Depth to Bottom	Installed Well Depth	Depth to NAPL	Volume of NAPL Removed (mL)	Notes
NMW-4	1.49	14.63	16	NA	--	Silty bottom, odor and black tar blebs on tape.
NMW-3	11.08	29.68	30	NA	--	Soft bottom
NMW-5	10.31	17.56	19	10.30	--	Soft bottom, gold-green colored oil on tape, no measurable oil thickness.
PZ01-06	11.80	18.05	20	NA	--	Sheen, no DNAPL but black tar blebs on probe.
PZ03-08D	8.96	55.64	56	NA	--	Sheen, soft bottom.
PZ03-08C	8.91	30.34	31	NA	--	Sheen
PZ03-08A	8.80	10.98	12	NA	--	
PZ03-08B	8.90	17.33	18	NA	--	
PZ03-07D	9.27	52.42	56	NA	--	Soft bottom.
PZ03-07C	9.34	32.42	31	NA	--	Soft bottom.
PZ03-07A	8.69	10.40	11	NA	--	Soft bottom.
PZ03-07B	10.15	16.26	17	NA	--	
PZ01-02	9.80	19.43	21	NA	--	Green-gold sheen, soft bottom.
PZ03-06D	7.16	51.00	52	NA	--	Soft bottom.
PZ03-06C	10.05	33.28	33	NA	--	Soft bottom.
PZ03-06A	--	11.43	12	9.47	500	Light brown-gold colored LNAPL.
PZ03-06B	14.65	17.90	19	9.23	3,000	Light brown-gold colored LNAPL.
PZ03-05A	DRY	6.25	13	NA	--	
PZ03-05C	10.37	24.65	28	NA	--	
PZ03-05D	9.24	33.75	45	NA	--	
PZ03-05B	10.45	15.74	17	NA	--	Sheen.
PZ03-04A	10.46	14.62	15	NA	--	Soft bottom.
PZ03-04B	10.82	21.77	22	NA	--	
PZ03-04D	10.90	41.55	42	NA	--	
PZ03-03B	11.65	48.88	50	NA	--	
PZ03-03D	11.76	22.19	22	NA	--	
PZ03-03A	9.65	11.14	11	NA	--	
PZ03-02A	13.89	14.95	16	NA	--	
PZ03-02D	14.00	54.49	56	NA	--	Soft bottom.
NMW-1	17.23	40.33	44	NA	--	Soft bottom.

See Notes on Page 2.

TABLE 1
FLUID-LEVEL DATA - 4/20/2006

PRE-DESIGN INVESTIGATION SUMMARY REPORT
NEW YORK STATE ELECTRIC & GAS CORPORATION
COURT STREET MGP SITE
BINGHAMTON, NEW YORK

Well ID	Depth to Water	Depth to Bottom	Installed Well Depth	Depth to NAPL	Volume of NAPL Removed (mL)	Notes
MW97-08S	12.89	22.90	22	NA	--	Soft bottom.
PZ03-09A	19.32	21.89	23	NA	--	Soft bottom.
PZ03-09D	18.93	47.53	48	NA	--	Soft bottom.
PZ03-01D	15.60	46.70	47	NA	--	Soft bottom.
NMW-2	14.29	42.84	44	NA	--	Soft bottom.
NCW-1	14.50	47.90	47	NA	--	Black tar on side of probe, soft bottom.
MW-97-09S	14.42	22.44	24	NA	--	Hard bottom, trace NAPL on bottom.

Notes:
NA = Not Applicable.
All depth measurements in feet below top of well casing.

FIGURES

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295 COURT STREET PROPERTY

BB

BB'

AA

AA'

BRANDYWINE AVENUE

COURT STREET

NO. 3 GAS HOLDER

NO. 2 GAS HOLDER

NO. 4 GAS HOLDER

TAR WELL

OIL TANKS

OIL HOUSE

PUMP HOUSE

PUMP

PURIFIER

WASHER COOLER

PAVED AREA

MACHINE SHOP

STORAGE

OFFICE

BOOSTER HOUSE

STEEL FRAME PUMP HOUSE

GAS CONTROL BLDG.

PURIFIERS

LAWN

56-INCH STORM SEWER

MH-1B

MH-1

24" PIPE

24" PIPE OUTFALL

FLOOD WALL

(LOCATION APPROXIMATE) 20" AND 24" DIA. WATER LINES

COMBINED STORM/ SANITARY FACILITY (1975)

GATE VALVE

SEWER MANHOLE AND CONTROL STRUCTURE

PUMP HOUSE

SUSQUEHANNA RIVER

FLOW

SB-401

SB-403

NMW-4/SB-402

SB-23

SB-102

MW98-15S

NMW-5

NMW-3

GT-1

GT-2

GT-3

TB-2

SB-112

TP-209

TP-210

GT-7

NCW-1

GT-6

TB-9

TP-13

GT-4

SB-204

TP-208

PZ01-06

MW93-1D

TP-17

TB-8

TP-21

MW93-3S

MW01-03R

MW93-3D

SB-311

MW93-2S

MW93-2D

845

850

855

860

LEGEND:

- FLOOD WALL
- RAILROAD TRACK
- FENCE
- SITE PROPERTY LINES (APPROXIMATE)
- SEWER LINE (APPROXIMATE)
- 840 GROUND SURFACE ELEVATION CONTOUR (FT. AMSL)
- HISTORICAL FEATURE
- BURIED CONCRETE WALL
- MONITORING WELL (SHALLOW)
- MONITORING WELL (DEEP)
- MONITORING WELL (BEDROCK)
- NAPL MONITORING WELL (JAN. 2006)
- PIEZOMETER
- TEST PIT
- SOIL BORING
- SOIL BORING
- SOIL BORING (JAN. 2006)
- GT-1 GEOTECHNICAL BORING (JAN. 2006)

NOTES:

1. BASE MAP PROVIDED BY NYSEG (JUNE 12, 1997).
2. SURFACE ELEVATIONS DIGITIZED FROM CITY OF BINGHAMTON MAP, SHEET 303, FLOWN DECEMBER 2, 1973 AND MAPPED APRIL 1, 1974.
3. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL USING NATIONAL GEODETIC VERTICAL DATUM OF 1929, HORIZONTAL DATUM: NAD 83 NEW YORK STATE CENTRAL 3102.
4. ALL INVESTIGATION LOCATIONS SURVEYED BY HAWK ENGINEERING, P.C. BINGHAMTON, N.Y. EXCEPT THE FOLLOWING: BORINGS GT-1 THROUGH GT-7, SB-401 THROUGH SB-403, AND NAPL MONITORING WELL NMW-5, WHICH WERE SURVEYED BY NYSEG.
5. STORM SEWER LOCATION DIGITIZED FROM CITY OF BINGHAMTON MAP, SHEET 303, ENTITLED: PRELIMINARY REPORT, COMPREHENSIVE STORM DRAINAGE, EXISTING FACILITIES. PREPARED BY VERNON O. SHUMAKER, CONSULTING ENGINEER, VESTAL, NEW YORK, DATE NOT PROVIDED.

0 60' 120'

GRAPHIC SCALE

NEW YORK STATE ELECTRIC & GAS CORP.
BINGHAMTON, NEW YORK
COURT STREET SITE
PRE – DESIGN INVESTIGATION REPORT

BORING LOCATION PLAN

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FIGURE 1

[SYR-85-LEAD] SYR-85-RCA LAF RCA L ON=*; OFF=REF*
F:\ACTIVE\--DWG\ACT\13059001\13059002.DWG SAVED: 7/3/2006 2:24 PM LAYOUT: Layout1 PAGESETUP: SYR-BL1 PENTABLE: PLTFULLCTB PRINTED: 7/3/2006 2:33 PM BY: RCA
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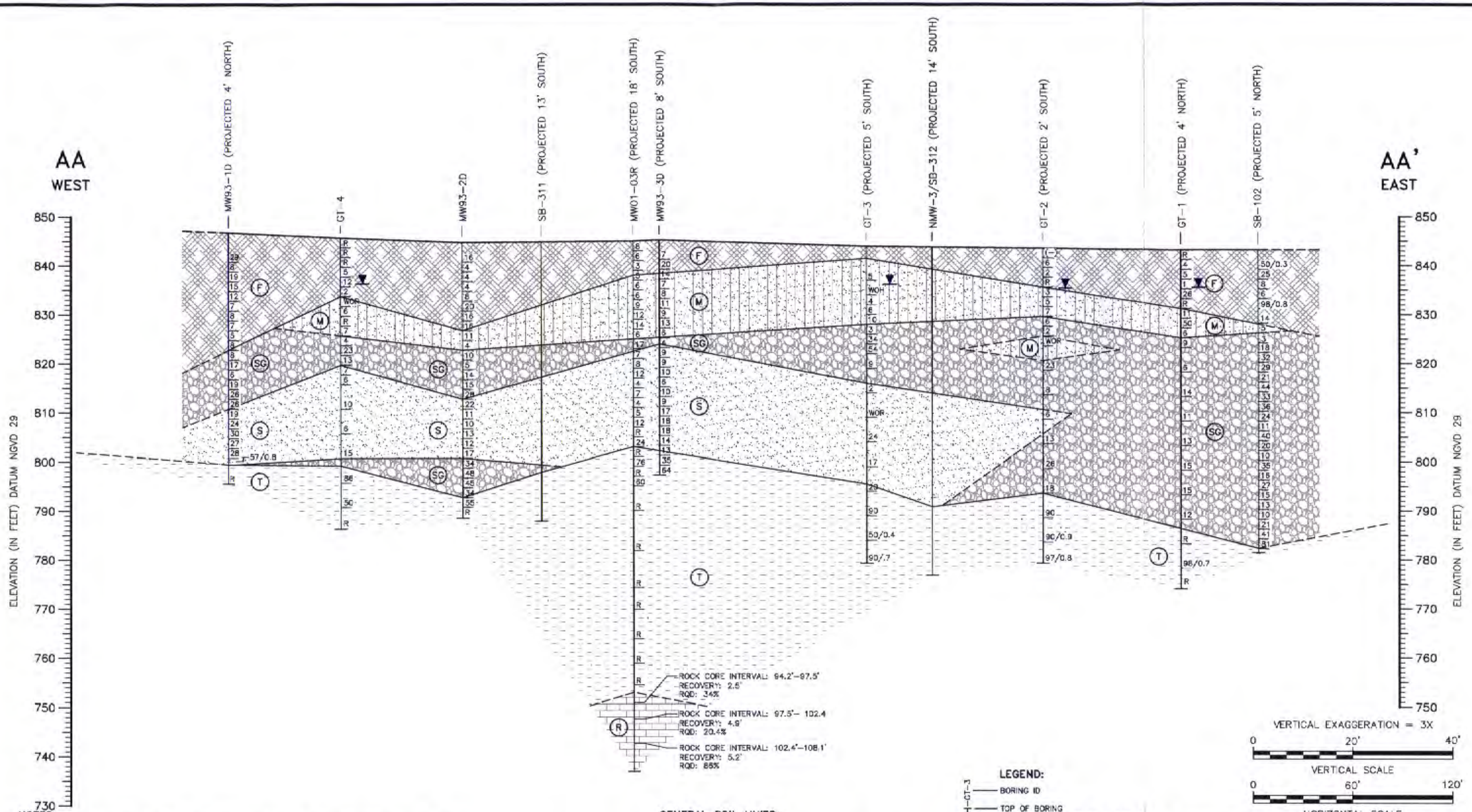

NOTES:

1. BORING LOCATIONS AND ELEVATIONS ARE BASED ON A NYSEG SURVEY DRAWING DATED FEBRUARY 6, 2006.
2. HORIZONTAL DATUM IS NORTH AMERICAN DATUM NAD83; NEW YORK STATE CENTRAL 3102. VERTICAL DATUM IS NATIONAL GEODETIC VERTICAL DATUM NGVD29.
3. CONTACTS ARE APPROXIMATE AND ARE INFERRED BETWEEN BORINGS. SUBSURFACE CONDITIONS HAVE BEEN GENERALIZED.

GENERAL SOIL UNITS:

- (F) FILL, PREDOMINANTLY GRANULAR
- (SG) VARIES FROM FINE TO COARSE SAND, LITTLE FINE GRAVEL, TRACE SILT TO FINE TO COARSE GRAVEL, LITTLE FINE TO COARSE SAND, TRACE SILT, TO FINE TO COARSE SAND AND GRAVEL.
- (M) VARIES FROM SILT, LITTLE FINE SAND TO SILT, SOME FINE SAND, LITTLE FINE GRAVEL TO SILT AND CLAY, LITTLE FINE TO COARSE SAND
- (S) VARIES FROM FINE SAND, SOME SILT TO FINE TO COARSE SAND, TRACE SILT, TRACE FINE GRAVEL
- (R) SHALE BEDROCK
- (T) GLACIAL TILL

LEGEND:

- GT-3 — BORING ID
- ▼ — TOP OF BORING WATER LEVEL OBSERVED IN BORING AT TIME OF DRILLING
- N=6 — STANDARD PENETRATION TEST N-VALUE*
- BOTTOM OF SAMPLE INTERVAL
- GEOLOGIC CONTACT FROM BORINGS PROJECTED ONTO SECTION (IF APPLICABLE)
- BOTTOM OF BORING

* WOH – WEIGHT OF HAMMER
WOR – WEIGHT OF RODS

REC – LENGTH OF ROCK CORE RECOVERY
RQD – ROCK QUALITY DESIGNATION
R – SPLIT SPOON REFUSAL

NEW YORK STATE ELECTRIC & GAS CORP.
BINGHAMTON, NEW YORK
COURT STREET SITE
PRE – DESIGN INVESTIGATION REPORT

GEOLOGIC CROSS SECTION AA - AA'

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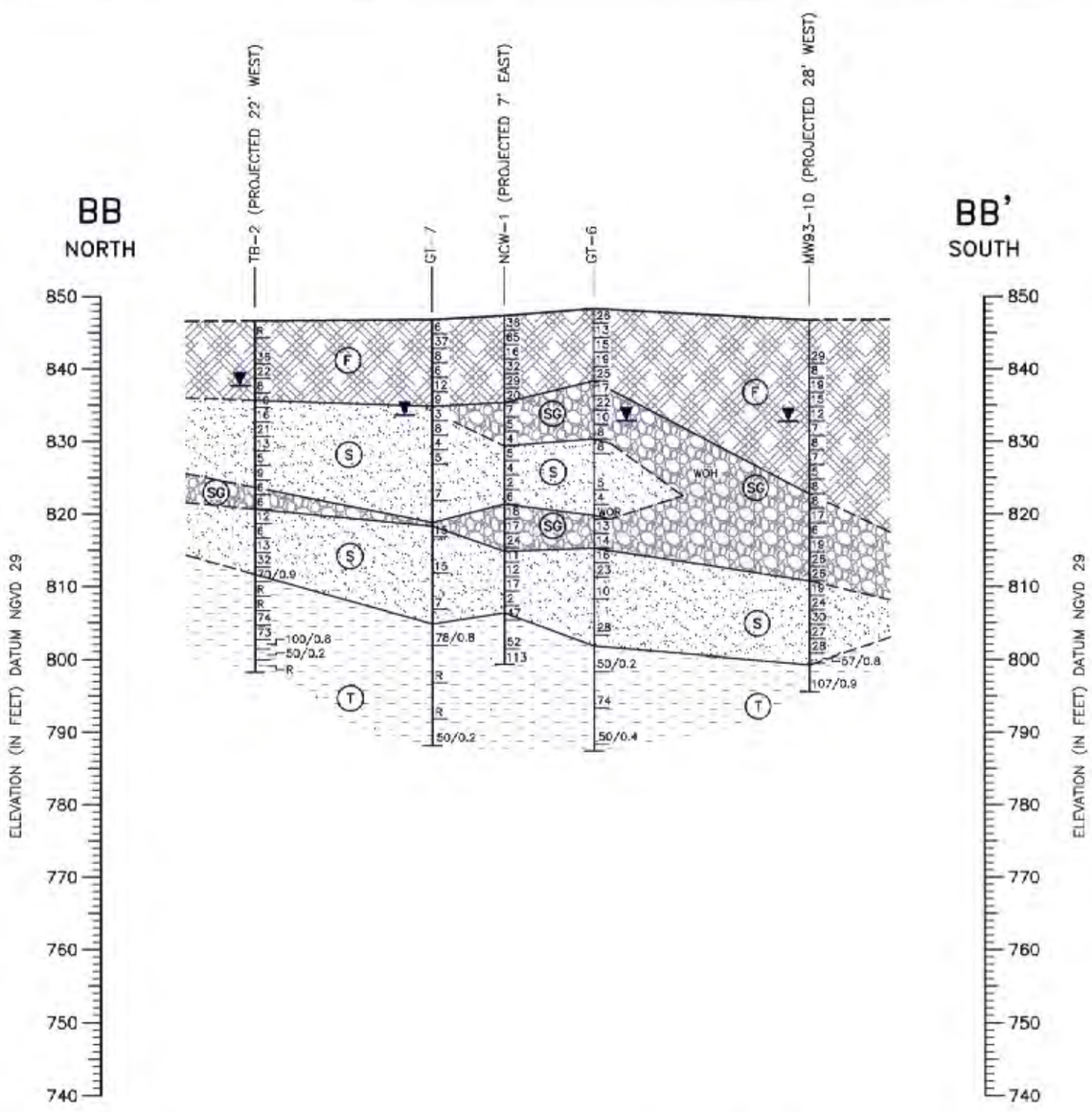
FIGURE 2



NOTES:

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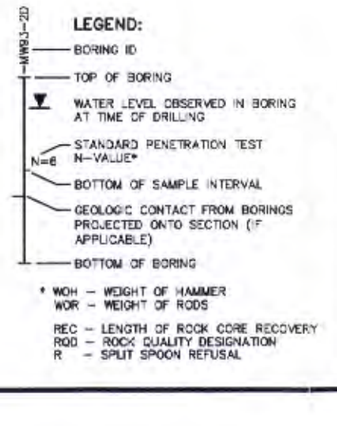
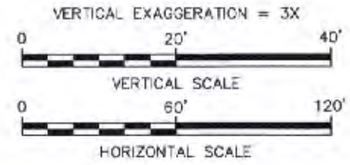
GENERAL SOIL UNITS:

- (F) FILL, PREDOMINANTLY GRANULAR
- (SG) VARIES FROM FINE TO COARSE SAND, LITTLE FINE GRAVEL, TRACE SILT TO FINE TO COARSE GRAVEL, LITTLE FINE TO COARSE SAND, TRACE SILT, TO FINE TO COARSE SAND AND GRAVEL
- (M) VARIES FROM SILT, LITTLE FINE SAND TO SILT, SOME FINE SAND, LITTLE FINE GRAVEL TO SILT AND CLAY, LITTLE FINE TO COARSE SAND
- (S) VARIES FROM FINE SAND, SOME SILT TO FINE TO COARSE SAND, TRACE SILT, TRACE FINE GRAVEL
- (R) SHALE BEDROCK
- (T) GLACIAL TILL



* WOH – WEIGHT OF HAMMER
WOR – WEIGHT OF RODS

REC – LENGTH OF ROCK CORE RECOVERY
ROD – ROCK QUALITY DESIGNATION
R – SPLIT SPOON REFUSAL



NEW YORK STATE ELECTRIC & GAS CORP.
BINGHAMTON, NEW YORK
COURT STREET SITE
PRE – DESIGN INVESTIGATION REPORT

GEOLOGIC CROSS SECTION
BB - BB'

BBL ENVIRONMENTAL SERVICES, INC. an ARCADIS company

FIGURE
3

ATTACHMENTS

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Attachment 1

Date Start/Finish: 1/10/06 - 1/11/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766959.57
Easting: 1006864.82

Surface Elevation: 843.26'
Borehole Depth: 69.2' bgs

Geologist: Jason C. Sents

Boring ID: GT-1

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
845									
0									
	1	0-2	- 6 6 8	12	0.8	0.0		Augered through ASPHALT. Brown fine to coarse SAND, some Silt, some fine Gravel, frequent Brick, occasional asphalt, medium dense, moist.	
840	2	2-4	1 1 3 6	4	0.5	0.0		As above, loose, moist.	Boring filled with cement-bentonite grout to grade.
5	3	4-6	1 3 2 2	5	0.8	0.0		As above, loose, moist.	
	4	6-8	WOR WOR 1 1	1	0.4	0.4		As above, very loose, moist.	
835	5	8-10	WOR 12 14 12	26	1.0	0.0		Broken CONCRETE and BRICK, medium dense, wet.	Water level inside boring at 7.7' bgs with augers at 9.0' bgs.
10	6	10-11.2	25 31 50/ 0.2 -	81/ 0.7	1.3	0.1		As above, very dense, wet. Driller estimated bottom of holder at 11.6' bgs. Estimated bottom of fill at 12' bgs.	
830	7	12-14	3 5 6 9	11	1.2	0.0		Gray SILT, little fine sand, medium dense, wet.	
15	8	14-16	2 38 12 7	50	1.0	1.7		Gray SILT, little fine sand, cobble from 14.5-14.7' bgs, dense, wet.	

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engineers, scientists, economists

Remarks:

bgs = below ground surface; NA = Not Applicable/Not Available; WOH = Weight of Hammer.
Horizontal Datum is North American Datum NAD83; New York State Central 3102.
Vertical datum is National Geodetic Vertical Datum NGVD29.
Boring locations and elevations are based on a NYSEG survey drawing dated February 6, 2006.

Date Start/Finish: 1/10/06 - 1/11/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766959.57
Easting: 1006864.82

Surface Elevation: 843.26'
Borehole Depth: 69.2' bgs

Geologist: Jason C. Sents

Boring ID: GT-1

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
825	9	16-18	2 2 4 6	6	0.7	96.7		Gray SILT, some fine to medium Gravel, loose, wet. 16-18' bgs: Trace sheen, trace fuel oil-type odor.	
	10	18-20	3 4 5 4	9	1.0	17.8		Gray-brown fine to coarse SAND and GRAVEL, loose, wet. 18-20'bgs: No sheen, very faint odor.	Boring filled with cement-bentonite grout to grade.
20 820									
	11	23-25	4 3 3 7	6	1.3	3.4		Brown fine to coarse SAND, some fine Gravel, trace silt, loose, wet.	
25 815									
	12	28-30	7 8 6 8	14	0.3	2.6		As above, medium dense, wet.	
30 810									
	13	33-35	15 4 7 9	11	1.5	1.9		Grading to gray fine to coarse SAND, some coarse Gravel, medium dense, wet.	

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engineers, scientists, economists

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Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 700959.57
Easting: 1006864.82

Surface Elevation: 843.26'
Borehole Depth: 69.2' bgs

Geologist: Jason C. Sents

Boring ID: GT-1

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/in/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
35 / 805									
	14	38-40	3 6 8 10	13	1.0	1.2		Gray fine to coarse SAND, some fine to medium Gravel, medium dense, wet.	Boring filled with cement-bentonite grout to grade.
40 / 800									
	15	43-45	7 7 8 43	15	1.0	0.0		As above, medium dense, wet.	
45 / 795									
	16	48-50	9 7 8 8	15	1.0	0.0		As above, medium dense.	
50 / 790									
			4 5					Fine to coarse SAND and GRAVEL, little silt, medium dense, wet.	

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Remarks:

bgs = below ground surface; NA = Not Applicable/Not Available; WOH = Weight of Hammer.
Horizontal Datum is North American Datum NAD83; New York State Central 3102.
Vertical datum is National Geodetic Vertical Datum NGVD29.
Boring locations and elevations are based on a NYSEG survey drawing dated February 6, 2006.

Date Start/Finish: 1/10/06 - 1/11/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766959.57
Easting: 1006864.82

Surface Elevation: 843.26'
Borehole Depth: 69.2' bgs

Geologist: Jason C. Sents

Boring ID: GT-1

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
55 / 785	17	53-55	7 7	12	0.9	0.0		Driller noted TILL contact at 56.8' bgs.	
	18	58-58.4	50/ 0.4	NA	0.4	0.0		Olive-brown fine to coarse SAND and GRAVEL, some Silt, occasional cobble, very dense, wet	Boring filled with cement-bentonite grout to grade.
60 / 780	19	63-64.2	43 48 50/ 0.2	98/ 0.7	0.6	0.0		As above, very dense, wet.	
65 / 775	20	69-69.2	50/ 0.2	NA	0.0	NA		No recovery.	
70 / 770								Boring terminated at 69.2' bgs.	

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Date Start/Finish: 1/6/06 - 1/9/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766946.09
Easting: 1006787.55

Surface Elevation: 843.63'
Borehole Depth: 64.3' bgs

Geologist: Jason C. Sents

Boring ID: GT-2

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
845									
0	1	1.5-2	2	NA	0.1	0.6		Augered through ASPHALT to 0.3' bgs. Augered through CONCRETE.	
840	2	2-4	2 3 3 2	6	0.3	0.0		Brown fine to coarse SAND, some Gravel, very loose, dry. As above, trace brick, loose, moist.	Boring filled with cement-bentonite grout to grade.
5	3	4-6	1 1 1 2	2	0.4	0.0		As above, occasional cinders, brick, and ash, very loose, moist.	
835	4	6-7.2	1 10 50/ 0.2	60/ 0.7	0.4	0.6		Black COAL. At 6.3' bgs, brown fine to coarse SAND, trace gravel, very dense, moist. Estimated bottom of fill at 8' bgs.	
10	5	8-10	1 1 2 2	3	1.5	0.0		Olive-brown SILT, some fine Sand, very loose, wet. 8-10' bgs: Trace odor.	Water level inside boring at 8.2' bgs with augers at 10.0' bgs.
	6	10-12	1 2 3 3	5	1.5	5.8		As above, loose, wet. 10-12' bgs: Black stains throughout, trace sheen, odor present.	
830	7	12-14	2 3 4 5	7	0.4	21.9		As above, becomes brown, loose, wet. 12-14' bgs: Trace stains, no sheen, odor present.	
15	8	14-16	2 3 3 3	6	1.5	2.9		Gray fine SAND, some Silt, loose, wet. Possible Gravel in tip of spoon. 14-16' bgs: Black stains, fuel oil-type odor.	

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Date Start/Finish: 1/6/06 - 1/9/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766946.09
Easting: 1006787.55

Surface Elevation: 843.63'
Borehole Depth: 64.3' bgs

Geologist: Jason C. Sents

Boring ID: GT-2

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
825	9	16-18	2 1 1 WOR	2	0.5	35.8		Fine to coarse SAND, some well-rounded Gravel, very loose, wet. 16-18' bgs: Saturated with olive drab/neon orange oil-like fluid, heavy rainbow sheen, strong fuel oil-type odor.	Boring filled with cement-bentonite grout to grade.
	10	18-20	1 WOR WOR WOR	WOR	1.1	42.2		Gray SILT, little fine sand, very loose, wet. 18-20' bgs: Heavy sheens, odor present.	
20 820									
	11	23-25	12 11 12 12	23	1.0	13.1		Brown fine to coarse GRAVEL, some fine to coarse Sand, trace silt, medium dense, wet. 23-25' bgs: Trace sheen, odor present.	
25 815									
	12	28-30	5 5 3 5	8	0.8	8.7		As above, loose, wet. 28-30' bgs: Trace sheen, odor present.	
30 810									
	13	33-35	2 3 3 3	6	0.6	1.8		Brown fine SAND, trace coarse sand, loose, wet.	

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Date Start/Finish: 1/6/06 - 1/9/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766946.09
Easting: 1006787.55

Surface Elevation: 843.63'
Borehole Depth: 64.3' bgs

Geologist: Jason C. Sents

Boring ID: GT-2

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
35 / 805									
	14	38-40	6 6 7 8	13	0.6	1.2		Brown fine to coarse GRAVEL, some fine to coarse Sand, medium dense, wet.	Boring filled with cement-bentonite grout to grade.
40 / 800									
	15	43-45	10 14 12 12	26	0.7	0.5		As above, medium dense, wet.	
45 / 795									
	16	48-50	9 8 10 34	18	0.9	2.1		Cobble noted at 48' bgs. As above. At 49.5' bgs, Brown SILT and fine to coarse SAND, little gravel, medium dense, wet.	
50 / 790								Driller noted TILL contact at 50.0' bgs.	
			34 40					Gray-tan fine to coarse SAND and GRAVEL, some SILT, very dense, wet.	

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Date Start/Finish: 1/6/06 - 1/9/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766946.09
Easting: 1006787.55

Surface Elevation: 843.63'
Borehole Depth: 64.3' bgs

Geologist: Jason C. Sents

Boring ID: GT-2

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
55 / 785	17	53-54.5	50 50/ 0.0	50	0.3	1.7		As above, very dense, wet.	Boring filled with cement-bentonite grout to grade.
60 / 780	18	58-59.4	35 40 50/ 0.4	90/ 0.9	1.0	0.4		As above, becomes gray, very dense, wet.	
65 / 775	19	63-64.3	45 47 50/ 0.3	97/ 0.8	0.5	0.2		Boring terminated at 64.3' bgs.	
70 / 770									

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Date Start/Finish: 1/5/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766910.19
Easting: 1006683.95

Surface Elevation: 843.98'
Borehole Depth: 64.7' bgs

Geologist: Jason C. Sents

Boring ID: GT-3

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
845 / 0									
840	NA	0-5		NA	NA	NA		0-0.3' bgs: Augered through ASPHALT Fine to coarse SAND and GRAVEL, loose, moist. Estimated bottom of fill at 3.3' bgs. SILT, some fine Sand, loose, moist 0-5' bgs: Sampled using hand-auger to determine the presence of buried utilities.	Boring filled with cement-bentonite grout to grade.
5	1	5-7	1 2 3 3	5	1.0	0.0		As above, orange mottling, moist, loose	
835	2	7-8	4 3	NA	0.5	0.0			Water level inside boring at 7.8' bgs with augers at 10.0' bgs
	3	8-10	1 WOH WOH WOH	WOH	0.8	0.0		As above, very loose, wet.	
10	4	10-12	1 2 2 2	4	1.7	0.0		Brown SILT, some Sand, orange mottling, loose, wet.	
830	5	12-14	1 3 3 4	6	1.5	0.0		Brown SILT, trace fine sand, orange mottling, loose, wet.	
15	6	14-16	2 4 6 5	10	1.8	0.6		As above, some gray mottling. 14-16' bgs: Trace odor.	

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Date Start/Finish: 1/5/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766910.19
Easting: 1006683.95

Surface Elevation: 843.98'
Borehole Depth: 64.7' bgs

Geologist: Jason C. Sents

Boring ID: GT-3

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
	7	16-18	2 1 2 2	3	0.3	13.0		GRAVEL, little fine to coarse sand, very loose, wet. 16-18' bgs:Heavy sheen, trace black oily liquid throughout, strong odor.	
825	8	18-20	4 17 17 18	34	0.4	0.8		Brown fine to coarse SAND, some Gravel, dense, wet. 18-20' bgs: Trace sheen, odor present.	Boring filled with cement-bentonite grout to grade.
20	9	20-22	19 24 30 30	54	0.2	1.7		As above, very dense, wet. 20-22' bgs: Trace sheen, odor present.	
820	10	23-25	6 5 4 4	9	0.8	21.2		Fine to coarse GRAVEL, some fine to coarse Sand, loose, wet. 23-25' bgs: Odor present.	
25									
815	11	28-30	1 1 1 1	2	1.0	6.3		Gray fine to medium SAND, trace gravel, very loose, wet 28-30' bgs: Odor present	
30									
810	12	33-35	WOR WOR WOR WOR	WOR	0.3	5.8		Gray fine to coarse SAND, some Gravel, very loose, wet. 33-35' bgs: Odor present.	

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Date Start/Finish: 1/5/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766910.19
Easting: 1006683.95

Surface Elevation: 843.98'
Borehole Depth: 64.7' bgs

Geologist: Jason C. Sents

Boring ID: GT-3

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
35 / 805	13	38-40	8 12 12 11	24	1.8	1.3		Gray fine to medium SAND, some Silt, trace coarse gravel, loose, wet. 38-40' bgs. Trace odor.	Boring filled with cement-bentonite grout to grade.
40 / 800	14	43-45	4 8 9 9	17	2.0	0.8		As above, medium dense, wet. 43-45' bgs. Very faint odor.	
45 / 795	15	48-50	9 6 14 14	20	0.8	42.8		Driller noted TILL contact at 48.5' bgs. Tan-brown SAND, some fine to medium Gravel, some Silt, little fine to coarse sand and gravel, medium dense, wet. 48-50' bgs. Sheen and black oily liquid at 48.7-48.8' bgs.	
50 / 790			37 40					As above, Gravel is black subangular shale, very dense, wet.	

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Date Start/Finish: 1/5/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766910.19
Easting: 1006683.95

Surface Elevation: 843.98'
Borehole Depth: 64.7' bgs

Geologist: Jason C. Sents

Boring ID: GT-3

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
55 / 785	16	53-54.5	50 50/ 0.0	90	0.5	0.7		53-55' bgs: Little odor.	Boring filled with cement-bentonite grout to grade
	17	58-58.9	33 50/ 0.4	50/ 0.4	1.0	0.0		As above, very dense, wet 58-58.9' bgs. Trace odor.	
60 / 780	18	63-64.7	31 40 50/ 0.2	90/ 0.7	0.8	0.0		As above, becomes gray, some angular shaley gravel, very dense, wet. 63.5-64.7' bgs: Gravel piece in tip of sampler.	
65 / 775								Boring terminated at 64.7' bgs.	
70									

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Date Start/Finish: 1/3/06 - 1/4/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766810.14
Easting: 1006382.72

Surface Elevation: 845.72'
Borehole Depth: 59.4' bgs

Geologist: Jason C. Sents

Boring ID: **GT-4**

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
845									
0			-					Augered through ASPHALT to 1.0' bgs.	
	1	1-2	3 3 6	3	0.2	0.0		Brown fine to medium SAND and GRAVEL, some Silt, loose, wet.	
	2	2-3.1	7 6 50/ 0.1	56/ 0.6	0.2	0.0		Brown fine to medium SAND and CLAY and SILT, few cobbles, few black cinders, hard, moist. 2-3.6' bgs: Some black staining, some orange staining. Possible holder first encountered at 3.1' bgs.	Boring filled with cement-bentonite grout to grade.
840			-					Augered through possible holder from 3.1-5.3' bgs. Augered to 5.5' bgs.	
5	3	5.5-6	- - 6	NA	0.1	0.0		Brown fine to medium SAND and GRAVEL, some Silt, loose, wet.	
	4	6-8	1 2 3 4	5	0.5	0.0		Brown-orange fine to coarse SAND, some Gravel, few cinders and ash, very loose, moist.	
	5	8-10	3 6 6 1	12	0.4	0.0		Brown SILT and GRAVEL, little fine to medium sand, occasional brick, medium dense, wet.	
835									Water level inside boring at 9.4' bgs with augers at 18.0' bgs.
10	6	10-12	3 1 1 1	2	0.1	26.2		Gray fine to medium SAND and GRAVEL, very loose, wet. 10-12' bgs. Trace sheen, odor present. Estimated bottom of fill at 12' bgs.	
	7	12-14	WOR WOR WOR 1	WOR	1.0	66.3		Gray SILT and CLAY, little fine to coarse sand, trace fine gravel, very soft, wet. 12-14' bgs: Some sheen, trace blebs and ganglia of black oily substance throughout, odor present.	
830								As above, grading to olive-brown mottled Clayey SILT, loose, moist.	
15	8	14-16	1 1 5 12	6	1.5	44.5		14-16' bgs: Ganglia of black oily substance throughout, odor present.	

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Date Start/Finish: 1/3/06 - 1/4/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766810.14
Easting: 1006382.72

Surface Elevation: 845.72'
Borehole Depth: 59.4' bgs

Geologist: Jason C. Sents

Boring ID: GT-4

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
	9	18-18	NA	NA	1.0	NA		Shelby Tube taken from 16-18' bgs. Gray CLAY and SILT, some Gravel, some coarse Sand, observed at bottom of Shelby Tube. 16-18' bgs: Heavy sheen, black oily material, odor present.	
	10	18-20	1 3 4 4	7	0.2	442		As above, medium stiff, wet.	Boring filled with cement-bentonite grout to grade.
825 20	11	20-22	WOR 1 3 3	4	0.5	195		Dark gray medium to coarse SAND, trace well-rounded gravel, loose, wet. 20-22' bgs: Sheen and black oily material throughout, odor present.	
	12	22-24	3 9 14 20	23	0.7	20.7		Brown medium to coarse SAND, trace well-rounded gravel, medium dense, wet. 22-24' bgs: Trace black oily material, odor and sheen throughout present.	
820 25	13	24-26	3 6 7 7	13	0.6	18.8		As above, medium dense, wet. 24-26' bgs: Less black oily material.	
	14	26-28	3 3 4 5	7	0.6	5.2		Brown fine SAND, some Silt, loose, wet. 26-28' bgs: Trace sheen, odor present.	
815 30	15	28-30	2 3 3 6	6	0.6	1.3		As above, loose, wet. 28-30' bgs: Less black oily material.	
	16	33-35	3 5 5 8	10	1.2	0.9		As above, loose, wet. 33-35' bgs: Trace sheen possibly from water in augers, little odor.	
810									

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Boring locations and elevations are based on a NYSEG survey drawing dated February 6, 2006.

Date Start/Finish: 1/3/06 - 1/4/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766810.74
Easting: 1006382.72

Surface Elevation: 845.72'
Borehole Depth: 59.4' bgs

Geologist: Jason C. Sents

Boring ID: GT-4

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
35									
805 / 40	17	38-40	2 2 4 4	6	1.7	0.3		As above, trace well-rounded gravel, loose, wet. 38-40' bgs: Little odor.	Boring filled with cement-bentonite grout to grade.
800 / 45	18	43-45	5 7 8 9	15	0.8	0.2		Brown fine to coarse SAND, some Silt, trace well-rounded gravel, medium dense, wet.	
								Driller noted TILL contact at 46.5' bgs.	
795 / 50	19	48-49.7	23 36 50 50/ 0.2	86	1.0	0.0		Tan-brown fine to medium GRAVEL, some fine to coarse Sand, little silt, very dense, wet.	
			18					Tan-brown fine to medium GRAVEL, some fine to coarse Sand, little silt, very dense, wet.	

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Remarks:

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Horizontal Datum is North American Datum NAD83; New York State Central 3102.
Vertical datum is National Geodetic Vertical Datum NGVD29.
Boring locations and elevations are based on a NYSEG survey drawing dated February 6, 2006.

Date Start/Finish: 1/3/06 - 1/4/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766810.14
Easting: 1006382.72

Surface Elevation: 845.72'
Borehole Depth: 59.4' bgs

Geologist: Jason C. Sents

Boring ID: GT-4

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
790 / 55	20	53-54.8	25 50/ 0.3	50	0.4	0.0		Possible cobble noted at 58' bgs.	Boring filled with cement-bentonite grout to grade.
785 / 60	21	59-59.4	50/ 0.4 -	50/ 0.4	0.4	0.0		As above, very dense, wet. Boring terminated at 59.4' bgs.	
780 / 65									
775 / 70									

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Vertical datum is National Geodetic Vertical Datum NGVD29.
Boring locations and elevations are based on a NYSEG survey drawing dated February 6, 2006.

Date Start/Finish: 12/29/05 - 12/30/005
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766861.21
Easting: 1006264.83

Surface Elevation: 848.32'
Borehole Depth: 60.9' bgs

Geologist: Jason C. Sents

Boring ID: GT-6

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
850									
0	1	0-1.7	1 6 20 50/ 0.2	26	0.3	0.0		Brown Clayey SILT, some Organics (peat) , very stiff, moist.	
845	2	2-4	9 8 5 5	13	0.3	0.1		Brown fine to coarse SAND, and GRAVEL, some Silt, medium dense, moist.	Boring filled with cement-bentonite grout to grade.
5	3	4-6	5 6 9 12	15	0.3	0.8		Brown fine to medium SAND and GRAVEL, occasional brick and glass, medium dense, wet. 4-6' bgs: Trace odor.	
840	4	6-8	6 8 11 12	19	0.4	0.3		As above, medium dense, moist.	
	5	8-10	8 12 13 13	25	0.5	1.2		As above, medium dense, moist. Estimated bottom of fill at 10' bgs.	
10	6	10-12	10 11 6 10	17	1.0	1.8		Brown medium to coarse SAND, some Gravel, medium dense, wet.	
835	7	12-14	14 14 8 4	22	0.4	0.2		Brown medium to coarse SAND, medium dense, wet. Cobbles noted from 12-18' bgs.	
15	8	14-16	2 3 7 4	10	0.4	35.1		Brown fine to medium GRAVEL, little fine to coarse sand, medium dense, wet. 14-16' bgs: Sheen and blebs of brown oily substance throughout, odor present.	Water level inside boring at 15.5' bgs with augers at 16.0' bgs.

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Horizontal Datum is North American Datum NAD83; New York State Central 3102.
Vertical datum is National Geodetic Vertical Datum NGVD29.
Boring locations and elevations are based on a NYSEG survey drawing dated February 6, 2006.

Date Start/Finish: 12/29/05 - 12/30/005
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766861.21
Easting: 1006264.83

Surface Elevation: 848.32'
Borehole Depth: 60.9' bgs

Geologist: Jason C. Sents

Boring ID: GT-6

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
830	9	16-18	1 3 5 4	8	0.4	78		As above, loose, wet. 16-18' bgs: Sheen and blebs of brown oily substance throughout, odor present.	
	10	18-20	2 3 5 5	8	2.0	119		Medium to coarse SAND, loose, wet. 18-20' bgs: Orange and black staining throughout, heavy sheen, blebs of black oily substance throughout, odor present.	Boring filled with cement-bentonite grout to grade.
20 825									
	11	23-25	1 2 3 5	5	1.7	177		As above, except trace fine sand, loose, wet. 23-25' bgs: little black oily substance present, heavy sheen, strong odor.	
25	12	25-27	4 3 1 WOR	4	1.5	79.2		Gray fine to medium SAND, loose, wet. 25-27' bgs: Trace sheen, odor present.	
820	13	27-29	WOR WOR WOR 5	WOR	1.5	103		Gray fine to coarse SAND, trace silt. At 28' bgs, well rounded GRAVEL, very loose, wet. 27-29' bgs. Heavy sheen, blebs of black oily material observed, odor present	
30	14	29-31	5 6 7 7	13	0.5	123		SAA (Medium Dense, Wet) 29-31' bgs: Heavy sheen, odor, blebs of black oily-material.	
815	15	31-33	6 8 6 6	14	0.5	72.2		As above, medium dense, wet. 31-33' bgs. Odor, blebs of black oily-material, less sheen.	
	16	33-35	7 7 9 12	16	1.0	23.1		Gray-brown fine to medium SAND, trace silt, medium dense, wet 33-35' bgs: Odor present.	

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Vertical datum is National Geodetic Vertical Datum NGVD29.
Boring locations and elevations are based on a NYSEG survey drawing dated February 6, 2006.

Date Start/Finish: 12/23/05 - 12/30/05
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 706661.21
Easting: 1006264.83

Surface Elevation: 848.32'
Borehole Depth: 60.9' bgs

Geologist: Jason C. Sents

Boring ID: GT-6

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
35								As above, trace coarse sand, trace well-rounded gravel.	
	17	35-37	7 10 13 17	23	1.5	12.4		Gray-brown fine to coarse SAND, trace silt, trace well-rounded gravel, medium dense, wet.	
810								36-38' bgs: Odor present.	
	18	38-40	3 4 6 7	10	1.8	6.5		Gray-brown fine to medium SAND, loose, wet. 38-40' bgs: Odor present.	Boring filled with cement-bentonite grout to grade.
40									
805									
	19	43-45	7 12 16 14	28	1.5	3.1		Gray-brown fine to medium SAND. At 43.6' bgs, 2" brown SILT and fine SAND, medium dense, wet.	
45									
800								Driller noted TILL contact at 46.5' bgs.	
	20	48-48.7	27 50/ 0.2 - -	50/ 0.2	0.3	1.5		Gray-brown fine to coarse SAND, some Silt, little fine to medium gravel, very dense, wet.	
50									
795									
			23 37					As above, very dense, wet	

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Vertical datum is National Geodetic Vertical Datum NGVD29.
Boring locations and elevations are based on a NYSEG survey drawing dated February 6, 2006.

Date Start/Finish: 12/29/05 - 12/30/005
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766861.21
Easting: 1006264.83

Surface Elevation: 848.32'
Borehole Depth: 60.9' bgs

Geologist: Jason C. Sents

Boring ID: GT-6

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
55 / 790	21	53-55	37 41	74	0.2	0.7			
60 / 785	22	58-58.9	17 50/ 0.4	50/ 0.4	0.3	1.2		As above, very dense, wet	Boring filled with cement-bentonite grout to grade.
	23	60.5-60.9	50/ 0.4	NA	0.0	NA		No recovery. Auger refusal at 60.5' bgs.	
65 / 780 / 70 / 775								Boring terminated at 60.9' bgs.	

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Horizontal Datum is North American Datum NAD83; New York State Central 3102.
Vertical datum is National Geodetic Vertical Datum NGVD29.
Boring locations and elevations are based on a NYSEG survey drawing dated February 6, 2006.

Date Start/Finish: 1/11/06 - 1/12/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766923.83
Easting: 1006244.44

Surface Elevation: 846.84'
Borehole Depth: 58.7' bgs

Geologist: Jason C. Sents

Boring ID: GT-7

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
0 / 845	1	0-2	1 1 5 7	6	0.8	0.0		Brown SILT, little fine Sand, frequent rootlets and grass, loose, moist.	
	2	2-4	14 25 12 6	37	1.2	0.0		Fine to coarse SAND and GRAVEL, occasional asphalt, dense, moist.	Boring filled with cement-bentonite grout to grade.
5 / 840	3	4-6	5 4 4 4	8	0.6	0.0		Brown fine to coarse SAND, some Gravel, little silt, occasional brick and asphalt, loose, moist.	
	4	6-8	2 1 5 6	6	0.7	0.0		As above, loose, wet.	
	5	8-10	7 7 5 4	12	0.6	0.0		As above, medium dense, wet.	
10 / 835	6	10-12	3 5 4 4	9	0.2	1.3		As above, loose, wet.	
	7	12-14	1 1 2 2	3	0.5	0.6		Brown fine to coarse SAND, some Gravel, very loose, wet. Estimated bottom of fill at 14' bgs.	Water level inside boring at 13.2' bgs with augers at 14.0' bgs.
15 / 830	8	14-16	2 4 4 4	8	1.3	4.9		Brown fine to medium SAND, some coarse Sand, loose, wet. At 14.8' bgs, trace sheen and odor present.	

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Horizontal Datum is North American Datum NAD83; New York State Central 3102.
Vertical datum is National Geodetic Vertical Datum NGVD29.
Boring locations and elevations are based on a NYSEG survey drawing dated February 6, 2006.

Date Start/Finish: 1/11/06 - 1/12/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766923.83
Easting: 1006244.44

Surface Elevation: 846.84'
Borehole Depth: 58.7' bgs

Geologist: Jason C. Sents

Boring ID: GT-7

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
	9	16-18	1 1 3 4	4	1.7	11.3		Gray fine to medium SAND, very loose, wet. 16-40' bgs, trace odor.	
	10	18-20	1 2 3 4	5	1.0	98.9		As above, trace silt, loose, wet. 18-20' bgs: Trace odor.	Boring filled with cement-bentonite grout to grade.
20 825									
	11	23-25	4 3 4 7	7	1.0	24.2		As above, loose, wet. 23-25' bgs: Trace odor.	
25 820									
	12	28-30	9 8 7 7	15	1.0	91		Fine to coarse SAND and GRAVEL, medium dense, wet. At 28.6' bgs, gray fine to medium SAND, medium dense, wet.	
30 815									
	13	33-35	6 7 8 10	15	1.7	1.3		Gray fine to medium SAND, medium dense, wet.	

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Horizontal Datum is North American Datum NAD83; New York State Central 3102.
Vertical datum is National Geodetic Vertical Datum NGVD29.
Boring locations and elevations are based on a NYSEG survey drawing dated February 6, 2006.

Date Start/Finish: 1/11/06 - 1/12/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766923.83
Easting: 1006244.44

Surface Elevation: 846.84'
Borehole Depth: 58.7' bgs

Geologist: Jason C. Sents

Boring ID: GT-7

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
35 / 810									
	14	38-40	3 3 4 4	7	1.2	1.6		Gray fine to medium SAND, loose, wet.	Boring filled with cement-bentonite grout to grade.
40 / 805								Driller noted TILL contact at 42' bgs.	
	15	43-44.3	21 28 50/ 0.3	78/ 0.8	0.4	0.2		Brown-olive SILT, some fine to coarse Sand and Gravel, very dense, moist.	
45 / 800									
	16	48-48.2	50/ 0.2	NA	0.0	NA		No recovery. Driller noted cobbles noted from 48-54' bgs.	
50 / 795									
			50/ 0.2					Brown SILT, some fine to coarse Sand and Gravel, very dense, wet.	

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Horizontal Datum is North American Datum NAD83; New York State Central 3102.
Vertical datum is National Geodetic Vertical Datum NGVD29.
Boring locations and elevations are based on a NYSEG survey drawing dated February 6, 2006.

Date Start/Finish: 1/11/06 - 1/12/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mounted

Northing: 766923.83
Easting: 1006244.44

Surface Elevation: 846.84'
Borehole Depth: 58.7' bgs

Geologist: Jason C. Sents

Boring ID: GT-7

Client: New York State Electric and Gas Corporation

Location: Court Street
Binghamton, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
55 / 790	17	53-53.2	- -	NA	0.5	0.0			
								As above, very dense, moist	Boring filled with cement-bentonite grout to grade.
60 / 785	18	58-58.7	47 50/ 0.2 -	50/ 0.2	0.5	0.0		Boring terminated at 58.7' bgs.	
65 / 780									
70 / 775									

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Remarks:

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Horizontal Datum is North American Datum NAD83; New York State Central 3102.
Vertical datum is National Geodetic Vertical Datum NGVD29.
Boring locations and elevations are based on a NYSEG survey drawing dated February 6, 2006.

Date Start/Finish: 12/28/05 **Drilling Company:** Lyon Drilling **Driller's Name:** Harry Lyon **Drilling Method:** Hollow Stem Auger **Bit Size:** 4-1/4" ID **Auger Size:** 3 1/4" ID **Rig Type:** CME-55 Truck Mount **Sampling Method:** 2" Split Spoon	**Northing:** 767027.04 **Easting:** 1006611.48 **Casing Elevation:** NA **Borehole Depth:** 12.5' below grade **Surface Elevation:** 845.41' **Geologist:** Jason C. Sents	**Boring ID:** SB-401 **Client:** New York State Electric and Gas **Location:** Location Information

DEPTH	ELEVATION	Sample Number	Recovery (feet)	Sample Interval	FID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	845	1	0.4	0-2	0.0		Auger through ASPHALT and CONCRETE.	
							Dark brown fine to coarse SAND, some Gravel, Silt, and Clay, trace Brick and Glass, wet. [FILL]	
		2	0.5	2-4	0.5		As above, dark gray, slight petroleum odor.	Boring backfilled with hydrated Bentonite Chips
5	840	3	0.3	4-6	0.0		Brown fine SAND and SILT, little Clay, some Crushed Stone, trace Brick, soft, wet.	
		4	0.6	6-8	0.2		Gray-olive SILT and fine SAND, little Clay, trace Gravel, soft, wet.	
		5	0.2	8-10	0.6		Dark gray SILT, fine SAND, and fine GRAVEL, some Clay, trace odor, soft, wet.	
10	835	6	0.4	10-12	7.5		Dark brown-gray CRUSHED STONE, BRICK, and medium to coarse SAND, loose, wet.	
		7	0.0	12-12.5	NA		No recovery.	
15	830							

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Remarks: bgs = below ground surface; NA = Not Applicable/Not Available; WOR = Weight of Rods
Sample collected 8-12' bgs.

Date Start/Finish: 12/28/05 - 12/29/05
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger
Bit Size: 4 1/4"OD
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mount
Sampling Method: 2" Split Spoon

Northing: 766991.53
Easting: 1006614.49

Casing Elevation: 844.86'
Borehole Depth: 15.5' below grade
Surface Elevation: 845.16'

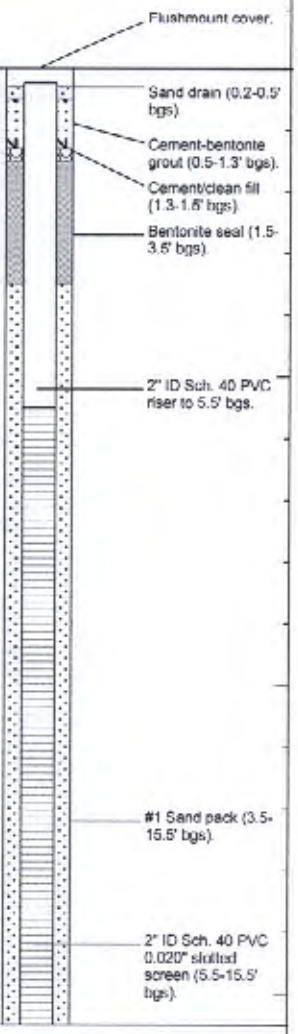
Geologist: Jason C. Sents

Boring ID: SB-402/NMW-4

Client: New York State Electric and Gas

Location: Barrier Wall Pre-Design Investigation
Court Street
Binghamton, NY

DEPTH	ELEVATION	Sample Number	Recovery (feet)	Sample Interval	FID Headspace (ppm)	Geologic Column	Stratigraphic Description
0	845	1	0.8	0-2	0.7		Grass/Roots. Dark gray-brown fine to medium SAND, CRUSHED STONE, little Silt and Clay, trace Brick, loose, wet. Depth to water 1.7' bgs.
		2	0.7	2-4	1.6		Crushed red BRICK, loose, wet. Dark gray CRUSHED STONE, trace Asphalt, loose, wet.
5	840	3	0.1	4-6	1.8		As above, trace odor.
		4	0.4	6-8	71.2		Dark gray fine SAND, SILT, and CRUSHED STONE, speckles of sheen interspersed, blebs and ganglia of black oily substance, tacky, sticky, strong odor, loose, wet.
		5	0.9	8-10	89.9		Medium to coarse SAND, BRICK, and CINDERS, sheen throughout, loose, wet. Gray SILT, trace Sand and Brick, trace black staining, soft. Coarse SAND and GRAVEL, sheen throughout, trace blebs of black oily substance, sticky, strong odor.
10	835	6	0.8	10-12	55.3		Gray-olive fine to coarse SAND, SILT, and CRUSHED STONE, some Clay and Brick, sheen throughout, blebs of sticky black oily substance throughout, soft, wet.
		7	0.4	12-14	379.0		Gray SILT, SAND, and CRUSHED STONE, black oily substance throughout, strong odor, sloppy, wet.
15	830	8	0.2	14-15.5	185.0		



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Remarks: bgs = below ground surface; NA = Not Applicable/Not Available; WOR = Weight of Rods
Sample collected 10-14' bgs.

Date Start/Finish: 12/29/05 **Drilling Company:** Lyon Drilling **Driller's Name:** Harry Lyon **Drilling Method:** Hollow Stem Auger **Bit Size:** 4 1/4" OD **Auger Size:** 3 1/4" ID **Rig Type:** CME-55 Truck Mount **Sampling Method:** 2" Split Spoon	**Northing:** 767016.11 **Easting:** 1006843.42 **Casing Elevation:** NA **Borehole Depth:** 14.0' below grade **Surface Elevation:** 845.41' **Geologist:** Jason C. Sents	**Boring ID:** SB-403 **Client:** New York State Electric and Gas **Location:** Barrier Wall Pre-Design Investigation Court Street Binghamton, NY

DEPTH	ELEVATION	Sample Number	Recovery (feet)	Sample Interval	FID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	845	1	0.3	0-2	3.0		Auger through ASPHALT. Brown fine to medium SAND, CRUSHED STONE and red BRICK, loose, dry.	Boring backfilled with hydrated Bentonite Chips.
		2	0.3	2-4	2.6		As above, some Silt, trace sheen, trace odor, loose, wet.	
5	840	3	0.1	4-6	0.9		As above, no sheen, trace odor, sloppy, loose, wet.	
		4	0.7	6-8	1.4		Olive-gray SILT, fine to medium SAND and CRUSHED STONE, some Clay, some coarse Sand, trace sheen, trace odor, soft, wet.	
		5	0.9	8-10	1.1		Crushed ASPHALT, trace sheen, loose. Medium to coarse SAND and GRAVEL, trace sheen, loose, wet.	
10	835	6	0.5	10-12	3.3		Olive-gray fine to medium SAND, SILT, and GRAVEL, trace odor, loose, wet. As above, sheens present, trace blebs of black oily substance.	
		7	0.5	12-14	51.0		Shattered/layered BRICK, saturated with sheens, blebs and ganglia of black oily substance throughout. Possible holder bottom at 13.0' bgs.	
15	830							

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks: bgs = below ground surface; NA = Not Applicable/Not Available; WOR = Weight of Rods
Sample collected 10-14' bgs.

Date Start/Finish: 1/9/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger
Bit Size: 4 1/4" OD
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mount
Sampling Method: 2" Split Spoon

Northing: 1006788.51
Easting: 766950.93

Casing Elevation: 842.31'
Borehole Depth: 20' below grade
Surface Elevation: 842.57'

Geologist: Jason C. Sents

Boring ID: NMW-5

Client: New York State Electric and Gas

Location: Barrier Wall Pre-Design Investigation
Court Street
Binghamton, NY

DEPTH / ELEVATION	Sample Number	Recovery (feet)	Sample Interval	FID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
845 / 0						Well installed five feet north of boring GT-2. See boring log for geologic descriptions.	Flushmount cover Sand drain (0.2-0.5' bgs). 2" ID Sch. 40 PVC riser to 9' bgs. Cement-bentonite grout (0.5-5' bgs). Bentonite seal (5-7' bgs). #00N Sand pack (7-20' bgs). 2" ID Sch. 40 PVC 0.010" slotted screen (9-19' bgs)
840 / 5							
835 / 10							
830 / 15							

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks: bgs = below ground surface; NA = Not Applicable/Not Available; WOR = Weight of Rods.
Well installed five feet north of GT-2. See boring log for geologic descriptions.

Date Start/Finish: 1/9/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger
Bit Size: 4 1/4" OD
Auger Size: 3 1/4" ID
Rig Type: CME-55 Truck Mount
Sampling Method: 2" Split Spoon

Northing: 1006788.51
Easting: 766950.93

Casing Elevation: 842.31'
Borehole Depth: 20' below grade
Surface Elevation: 842.57'

Geologist: Jason C. Sents

Boring ID: NMW-5

Client: New York State Electric and Gas

Location: Barrier Wall Pre-Design Investigation
Court Street
Binghamton, NY

DEPTH / ELEVATION	Sample Number	Recovery (feet)	Sample Interval	FID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
825							2" ID Sch. 40 PVC 0.010" slotted screen (9-19' bgs).
20	1	0.1	18-20	77.5		Fine to coarse SAND and GRAVEL, heavy sheen, odor, and olive-orange oily liquid, very loose, wet.	#00N Sand pack (7-20' bgs).
820							
25							
815							
30							
810							

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks: bgs = below ground surface; NA = Not Applicable/Not Available; WOR = Weight of Rods.
Well installed five feet north of GT-2. See boring log for geologic descriptions.

Attachment 2

GeoTesting express
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1145 Massachusetts Avenue
Boxborough, MA 01719
978 635 0424 Tel
978 635 0266 Fax

Geotechnical Test Report

February 22, 2006

NYSEG Binghamton Court Street MGP Site Project

Binghamton, NY

Client Project No. 0130.13059

Prepared for:

Blasland Bouck & Lee

GeoTesting express
a subsidiary of Geocomp Corporation

Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	---	Sample Type:	---	Tested By:	pcs
Sample ID:	---	Test Date:	02/16/06	Checked By:	n/a
Depth :	---	Sample Id:	---		

Moisture Content of Soil - ASTM D 2216

Boring ID	Sample ID	Depth	Description	Moisture Content,%
GT-1	Composite	23-30 ft.	Moist, dark grayish brown sand with silt and gravel	15
GT-1	---	38-40 ft.	Moist, dark olive brown sand with gravel	15
GT-1	---	53-55 ft.	Moist, olive brown silty gravel with sand	7
GT-1	---	63-65 ft.	Moist, dark olive brown silty gravel with sand	6
GT-2	---	20-22 ft.	Moist, dark gray silt with sand	24
GT-2	---	23-25 ft.	Moist, dark grayish brown gravel with silt and sand	9
GT-2	---	38-40 ft.	Moist, olive brown gravel with sand	6
GT-2	Composite	53-60 ft.	Moist, dark grayish brown silty sand with gravel	7

Notes: Temperature of Drying : 110° Celsius

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a subsidiary of Geocomp Corporation

Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	---	Sample Type:	---	Tested By:	pcs
Sample ID:	---	Test Date:	02/16/06	Checked By:	n/a
Depth :	---	Sample Id:	---		

Moisture Content of Soil - ASTM D 2216

Boring ID	Sample ID	Depth	Description	Moisture Content,%
GT-3	---	8-10 ft.	Moist, yellowish brown silt with sand	24
GT-3	---	23-25 ft.	Moist, olive brown gravel with silt and sand	7
GT-3	Composite	38-45 ft.	Moist, very dark gray silty sand	17
GT-3	---	63-65 ft.	Moist, very dark grayish brown silty sand with gravel	7
GT-4	---	14-16 ft.	Moist, dark yellowish brown clay with sand	24
GT-4	Composite	26-35 ft.	Moist, very dark grayish brown silty sand	21
GT-4	---	48-50 ft.	Moist, light olive brown silty gravel with sand	9
GT-4	---	53-55 ft.	Moist, light olive brown silty gravel with sand	6

Notes: Temperature of Drying : 110° Celsius

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a subsidiary of Geocomp Corporation

Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	---	Sample Type:	---	Tested By:	pcs
Sample ID:	---	Test Date:	02/16/06	Checked By:	n/a
Depth :	---	Sample Id:	---		

Moisture Content of Soil - ASTM D 2216

Boring ID	Sample ID	Depth	Description	Moisture Content,%
GT-6	---	27-29 ft.	Moist, dark olive brown gravel with sand	14
GT-6	---	29-31 ft.	Moist, light olive brown gravel with silt and sand	8
GT-6	---	48-50 ft.	Moist, olive brown silty sand with gravel	10
GT-6	---	53-55 ft.	Moist, light olive brown silty gravel with sand	6
GT-7	---	16-18 ft.	Moist, dark olive brown sand with silt	26
GT-7	---	28-30 ft.	Moist, olive brown gravel with silt and sand	8
GT-7	Composite	53-60 ft.	Moist, dark olive brown silty sand with gravel	10

Notes: Temperature of Drying : 110° Celsius

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Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	---	Sample Type:	---	Tested By:	pcs
Sample ID:	---	Test Date:	02/15/06	Checked By:	jdt
Depth :	---	Test Id:	85006		

Specific Gravity of Soils by ASTM D 854

Boring ID	Sample ID	Depth	Visual Description	Specific Gravity
GT-1	---	63-65 ft.	Moist, dark olive brown silty gravel with sand	2.6
GT-2	---	20-22 ft.	Moist, dark gray silt with sand	2.72
GT-2	Composite	53-60 ft.	Moist, dark grayish brown silty sand with gravel	2.75
GT-3	---	8-10 ft.	Moist, yellowish brown silt with sand	2.72
GT-4	---	14-16 ft.	Moist, dark yellowish brown clay with sand	2.64
GT-4	Composite	26-35 ft.	Moist, very dark grayish brown silty sand	2.65
GT-7	Composite	53-60 ft.	Moist, dark olive brown silty sand with gravel	2.64

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

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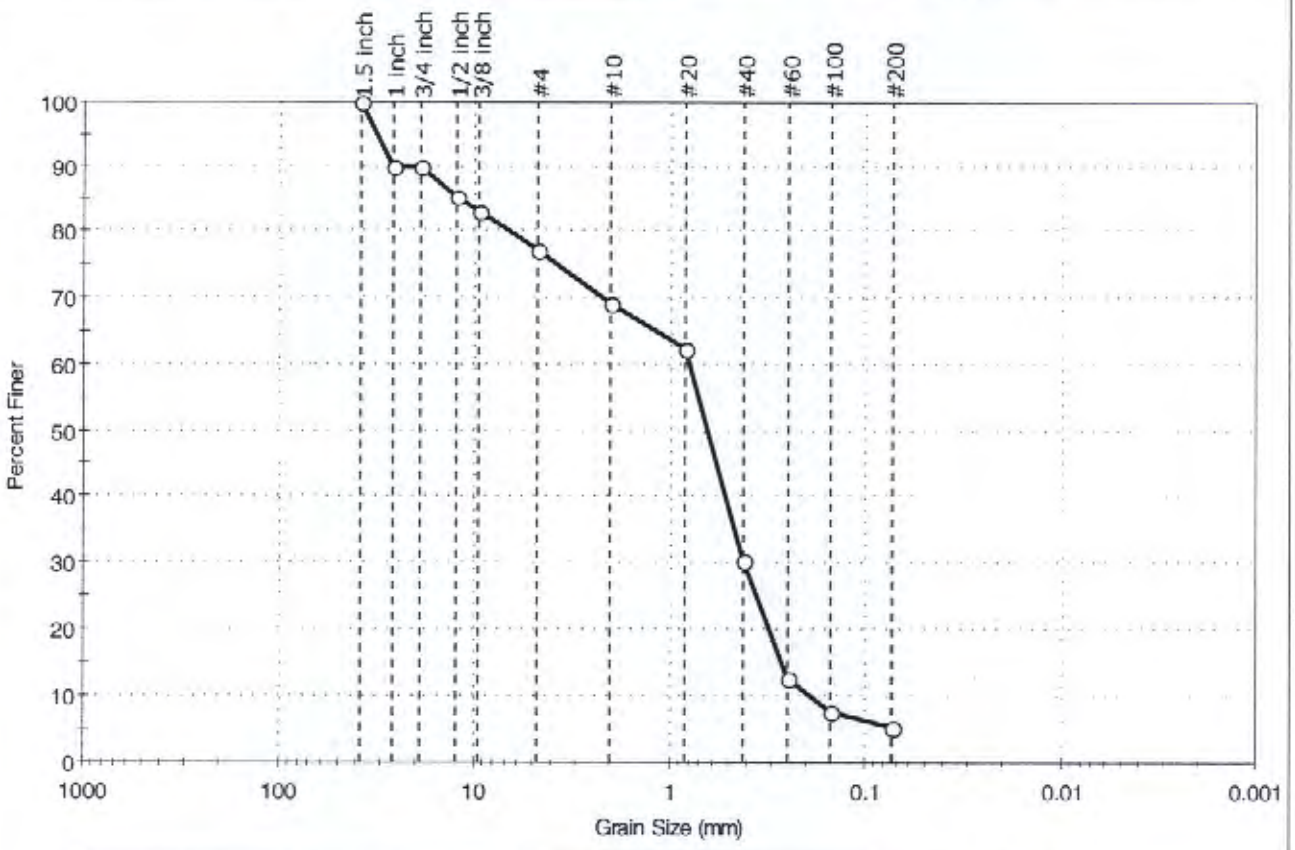
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-1	Sample Type:	jar	Tested By:	pcs
Sample ID:	Composite	Test Date:	02/10/06	Checked By:	jdt
Depth :	23-30 ft.	Test Id:	84972		
Test Comment:	Material above 3/4" consisted of one stone				
Sample Description:	Moist, dark grayish brown sand with silt and gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	23.1	71.6	5.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.5 inch	38.10	100		
1 inch	25.70	90		
3/4 inch	19.00	90		
1/2 inch	12.50	85		
3/8 inch	9.50	83		
#4	4.75	77		
#10	2.00	69		
#20	0.84	62		
#40	0.42	30		
#60	0.25	13		
#100	0.15	8		
#200	0.074	5		

Coefficients

D_{85} = 12.2293 mm	D_{30} = 0.4162 mm
D_{60} = 0.8011 mm	D_{15} = 0.2685 mm
D_{50} = 0.6445 mm	D_{10} = 0.1925 mm
C_u = 4.162	C_c = 1.123

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

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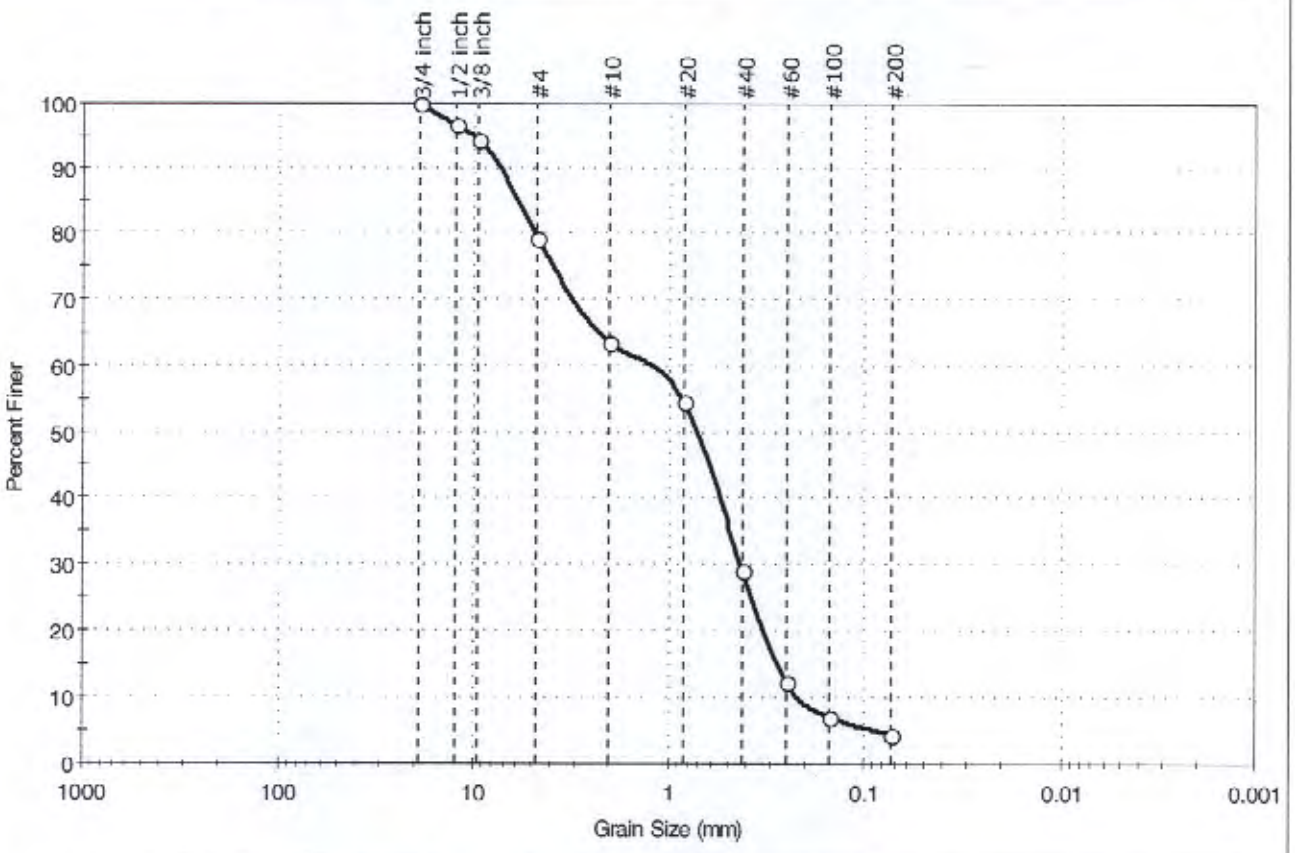
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-1	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/09/06	Checked By:	jdt
Depth :	38-40 ft.	Test Id:	84973		
Test Comment:	---				
Sample Description:	Moist, dark olive brown sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
–	20.9	74.6	4.5

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
3/4 inch	19.00	100		
1/2 inch	12.50	97		
3/8 inch	9.50	94		
#4	4.75	79		
#10	2.00	63		
#20	0.84	55		
#40	0.42	29		
#60	0.25	12		
#100	0.15	7		
#200	0.074	5		

Coefficients

D_{85} = 6.2082 mm	D_{30} = 0.4293 mm
D_{60} = 1.4280 mm	D_{15} = 0.2705 mm
D_{50} = 0.7403 mm	D_{10} = 0.1975 mm
C_u = 7.230	C_c = 0.653

Classification

ASTM Poorly graded sand with gravel (SP)

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

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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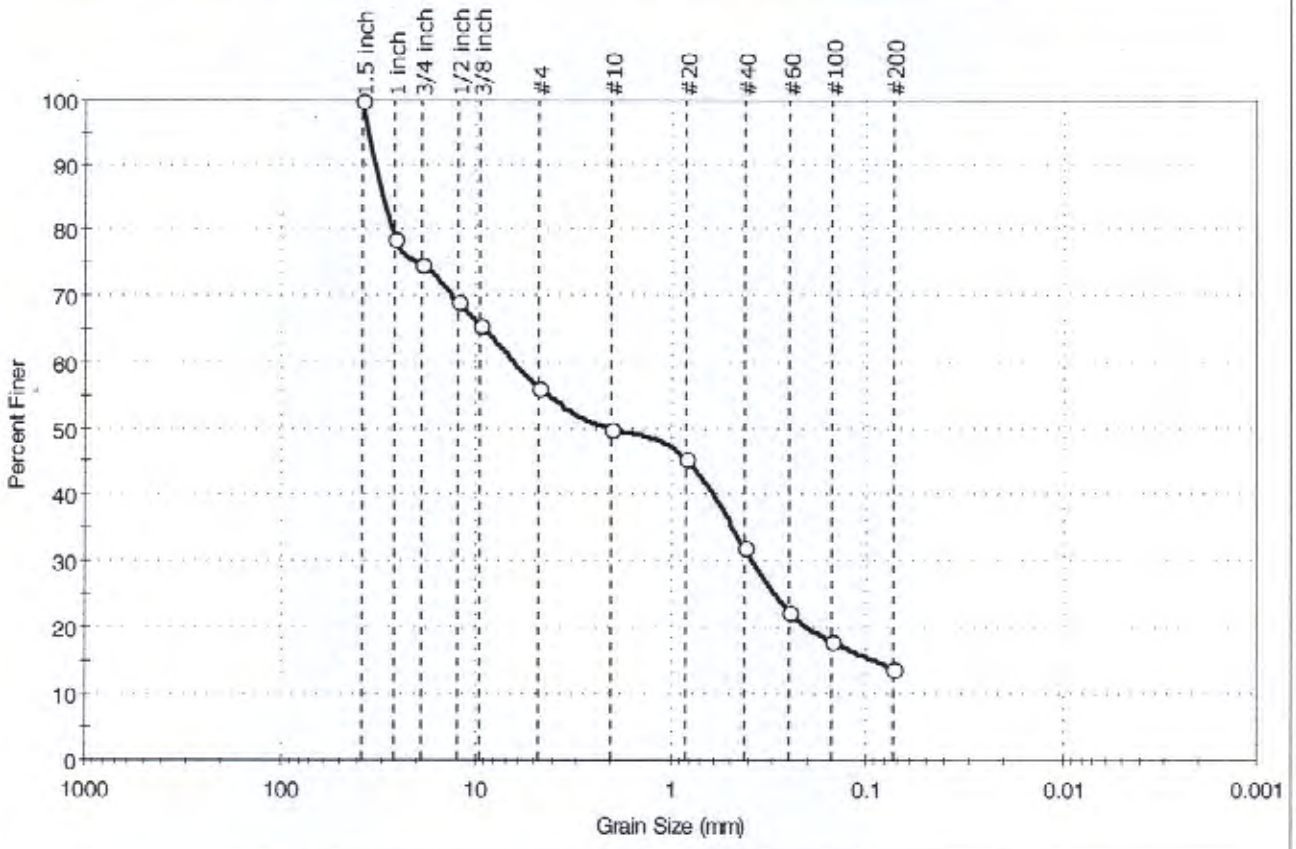
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-1	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/09/06	Checked By:	jdt
Depth :	53-55 ft.	Test Id:	84974		
Test Comment:	---				
Sample Description:	Moist, olive brown silty gravel with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	43.9	42.2	13.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.5 inch	38.10	100		
1 inch	25.70	79		
3/4 inch	19.00	75		
1/2 inch	12.50	69		
3/8 inch	9.50	65		
#4	4.75	56		
#10	2.00	50		
#20	0.84	45		
#40	0.42	32		
#60	0.25	22		
#100	0.15	18		
#200	0.074	14		

Coefficients

D_{85} = 28.9359 mm	D_{30} = 0.3757 mm
D_{60} = 6.3562 mm	D_{15} = 0.0895 mm
D_{50} = 2.0498 mm	D_{10} = 0.0375 mm
C_u = 169.499	C_c = 0.592

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

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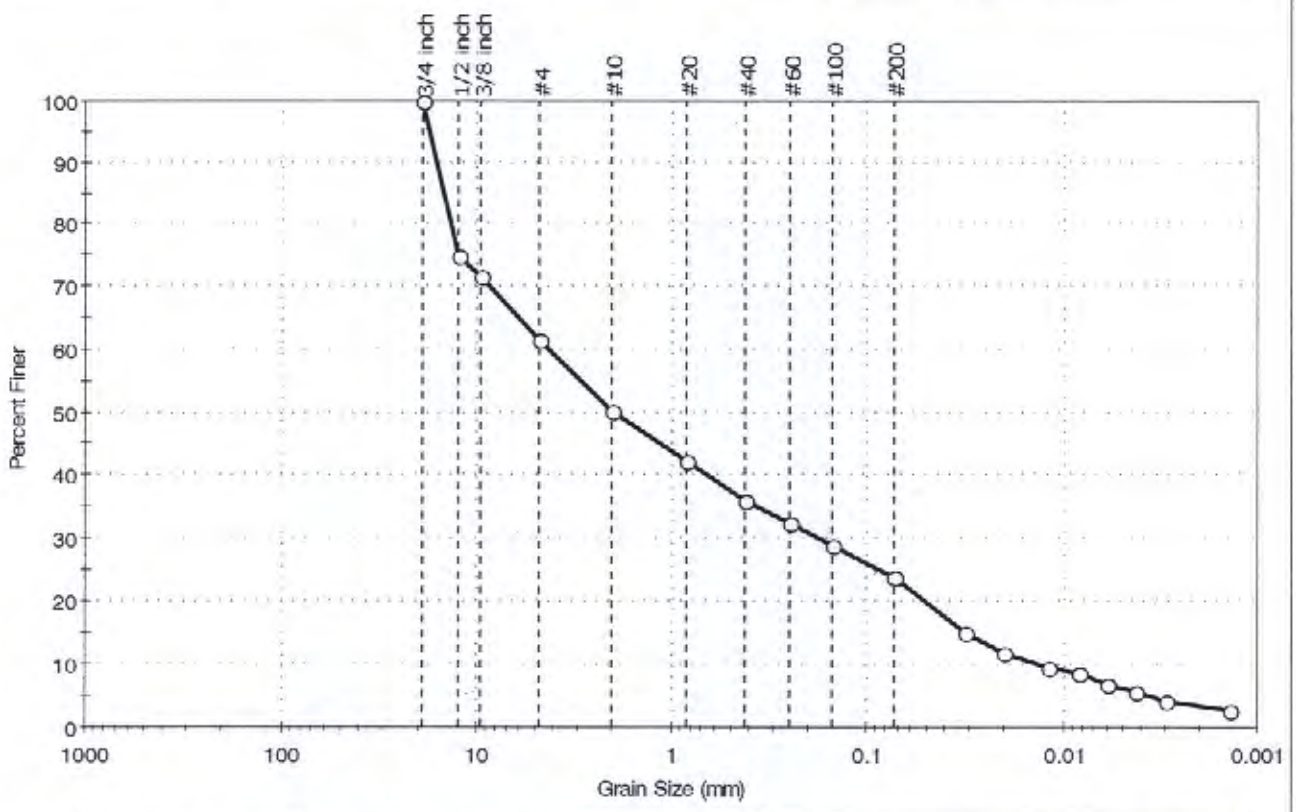
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-1	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/10/06	Checked By:	jdt
Depth :	63-65 ft.	Test Id:	84964		
Test Comment:	---				
Sample Description:	Moist, dark olive brown silty gravel with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	38.7	37.3	24.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
3/4 inch	19.00	100		
1/2 inch	12.50	75		
3/8 inch	9.50	72		
#4	4.75	61		
#10	2.00	50		
#20	0.84	42		
#40	0.42	36		
#60	0.25	32		
#100	0.15	29		
#200	0.074	24		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0320	15		
---	0.0203	12		
---	0.0119	9		
---	0.0084	9		
---	0.0060	7		
---	0.0043	5		
---	0.0030	4		
---	0.0014	3		

Coefficients

D_{85} = 14.8544 mm	D_{30} = 0.1778 mm
D_{60} = 4.3033 mm	D_{15} = 0.0320 mm
D_{50} = 1.9451 mm	D_{10} = 0.0138 mm
C_u = 311.833	C_c = 0.532

Classification

ASTM Silty gravel with sand (GM)

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

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

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Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-1	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/11/06	Checked By:	jdt
Depth :	63-65 ft.	Test Id:	84991		
Test Comment:	---				
Sample Description:	Moist, dark olive brown silty gravel with sand				
Sample Comment:	---				

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

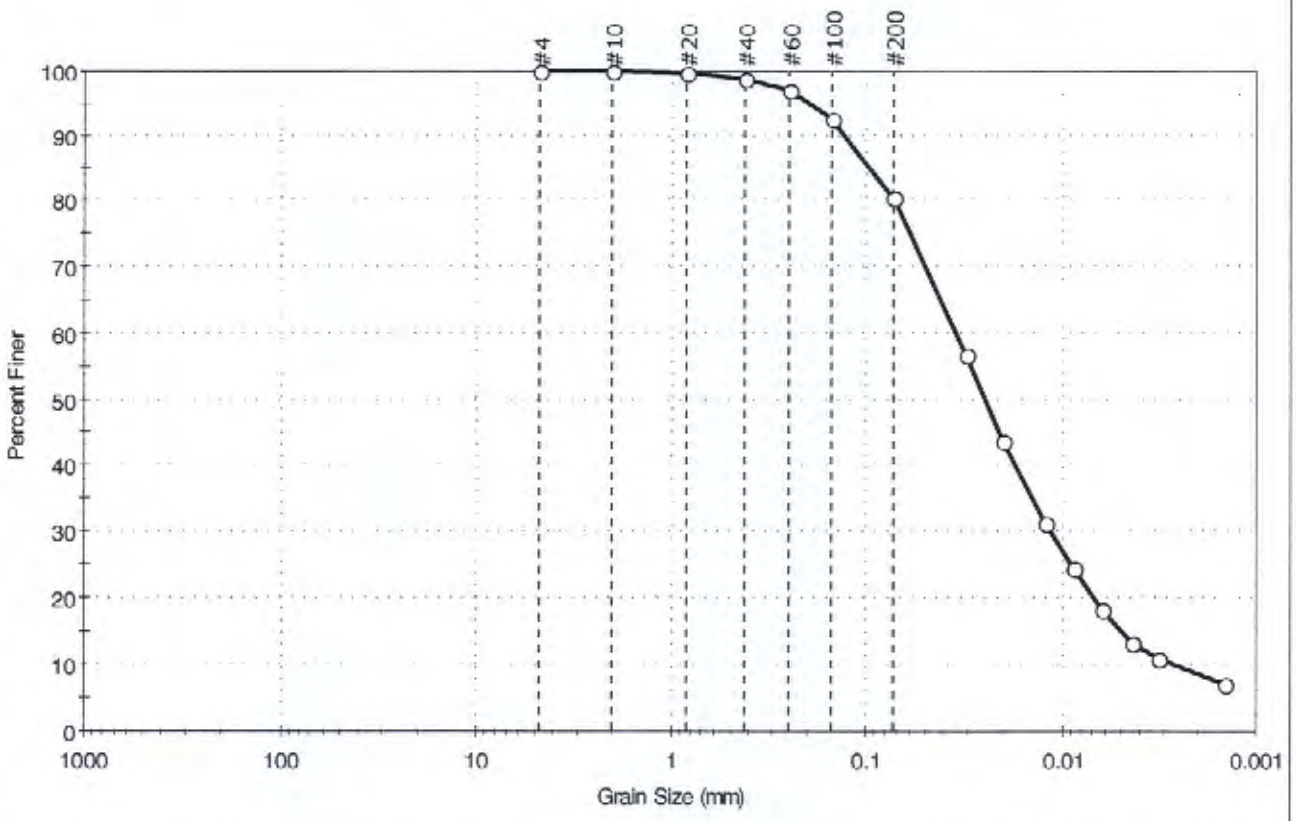
Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
*	---	GT-1	63-65 ft.	6	n/a	n/a	n/a	n/a	Silty gravel with sand (GM)

64% Retained on #40 Sieve
Dry Strength: MEDIUM
Dilentancy: n/a
Toughness: n/a
The sample was determined to be Non-Plastic

GeoTesting express
a subsidiary of Geocomp Corporation

Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-2	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/10/06	Checked By:	jdt
Depth :	20-22 ft.	Test Id:	84965		
Test Comment:	---				
Sample Description:	Moist, dark gray silt with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



%Cobble	%Gravel	%Sand	%Silt & Clay Size
—	0.1	19.7	80.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.84	100		
#40	0.42	99		
#60	0.25	97		
#100	0.15	93		
#200	0.074	80		
	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0309	57		
---	0.0203	44		
---	0.0122	31		
---	0.0068	25		
---	0.0063	18		
---	0.0044	13		
---	0.0032	11		
---	0.0015	7		

Coefficients

D_{85} = 0.0968 mm	D_{30} = 0.0114 mm
D_{60} = 0.0350 mm	D_{15} = 0.0050 mm
D_{50} = 0.0249 mm	D_{10} = 0.0027 mm
C_u = 12.963	C_c = 1.375

Classification

ASTM silt with sand (ML)

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

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Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-2	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/16/06	Checked By:	jdt
Depth :	20-22 ft.	Test Id:	84992		
Test Comment:	---				
Sample Description:	Moist, dark gray silt with sand				
Sample Comment:	---				

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

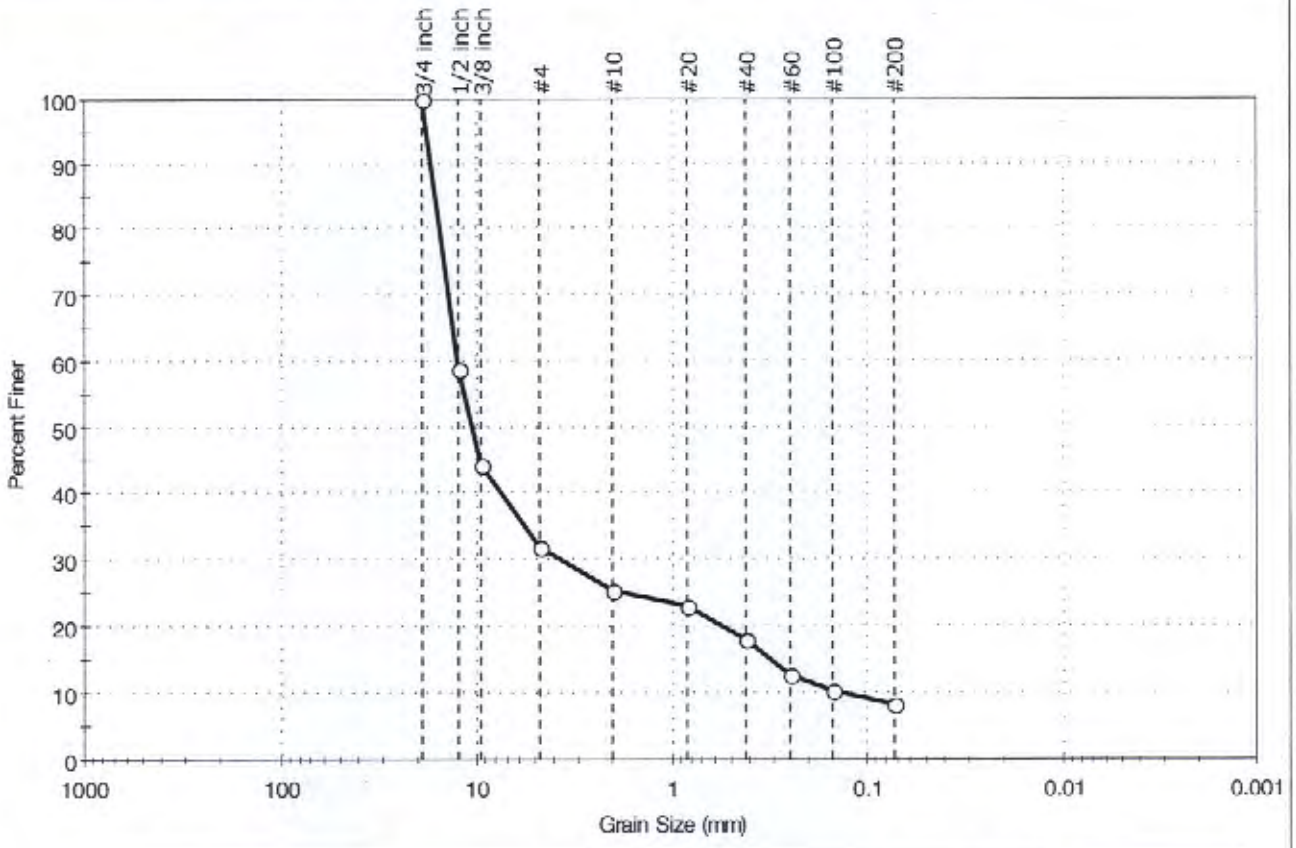
Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
*	---	GT-2	20-22 ft.	24	n/a	n/a	n/a	n/a	silt with sand (ML)

1% Retained on #40 Sieve
Dry Strength: MEDIUM
Dilentancy: n/a
Toughness: n/a
The sample was determined to be Non-Plastic

GeoTesting express
a subsidiary of Geocomp Corporation

Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-2	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/10/06	Checked By:	jdt
Depth :	23-25 ft.	Test Id:	84966		
Test Comment:	Less than 10% fines, Hydrometer not required				
Sample Description:	Moist, dark grayish brown gravel with silt and sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	68.0	23.6	8.4

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
3/4 inch	19.00	100		
1/2 inch	12.50	59		
3/8 inch	9.50	44		
#4	4.75	32		
#10	2.00	25		
#20	0.84	23		
#40	0.42	18		
#60	0.25	13		
#100	0.15	10		
#200	0.074	8		

Coefficients

D_{85} = 16.3317 mm	D_{30} = 3.6566 mm
D_{60} = 12.6825 mm	D_{15} = 0.3148 mm
D_{50} = 10.5985 mm	D_{10} = 0.1287 mm
C_u = 98.543	C_c = 8.192

Classification

ASTM N/A

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

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Dispersion Device :

Dispersion Period : 1 minute

Specific Gravity : 2.7

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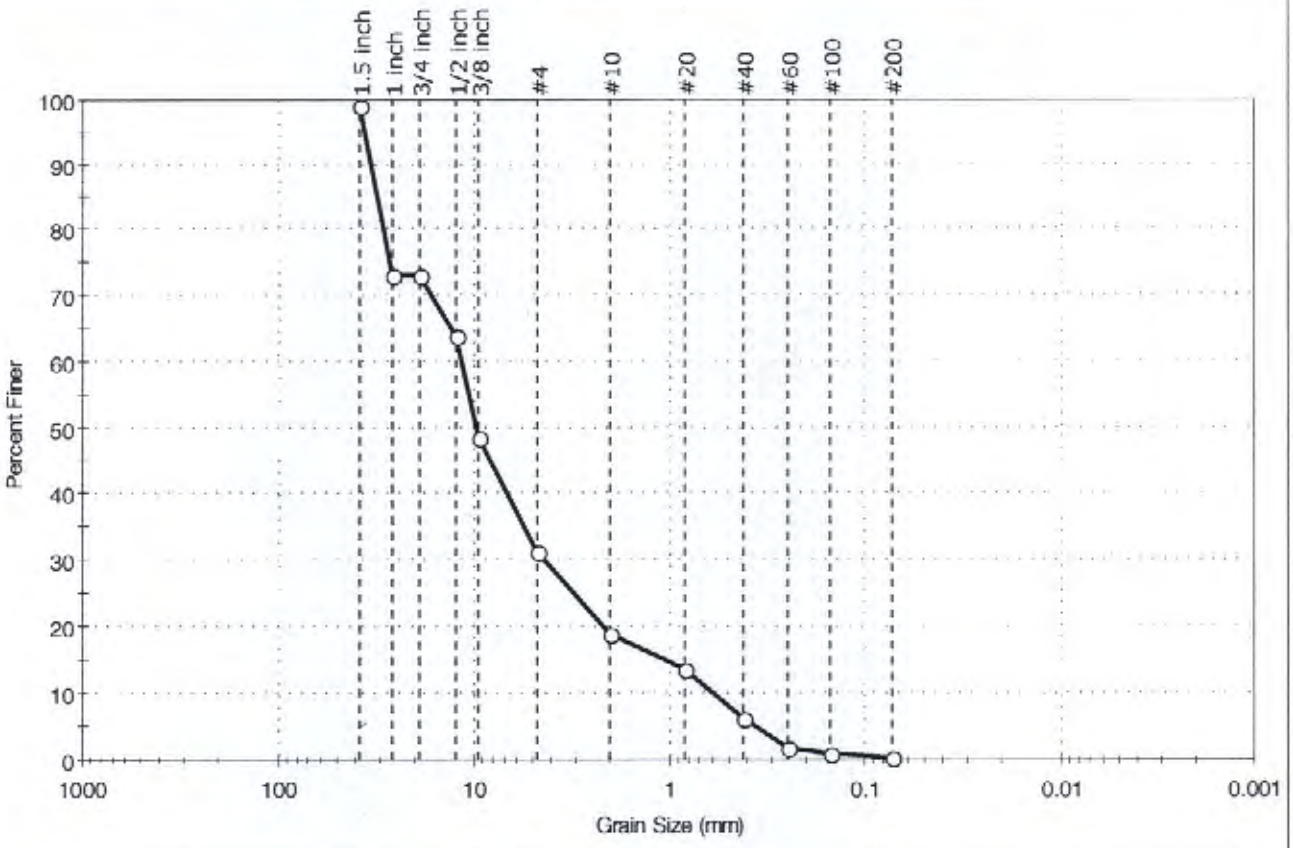
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-2	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/10/06	Checked By:	jdt
Depth :	38-40 ft.	Test Id:	84967		
Test Comment:	Less than 10% fines, Hydrometer not required				
Sample Description:	Moist, olive brown gravel with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	68.6	31.0	0.4

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.5 inch	38.10	99		
1 inch	25.70	73		
3/4 inch	19.00	73		
1/2 inch	12.50	64		
3/8 inch	9.50	48		
#4	4.75	31		
#10	2.00	19		
#20	0.84	14		
#40	0.42	6		
#60	0.25	2		
#100	0.15	1		
#200	0.074	0		

Coefficients

D_{85} = 30.8439 mm	D_{30} = 4.3169 mm
D_{60} = 11.6930 mm	D_{15} = 1.0564 mm
D_{50} = 9.7758 mm	D_{10} = 0.6025 mm
C_u = 19.407	C_c = 2.645

Classification

ASTM — Well-graded gravel with sand (GW)

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

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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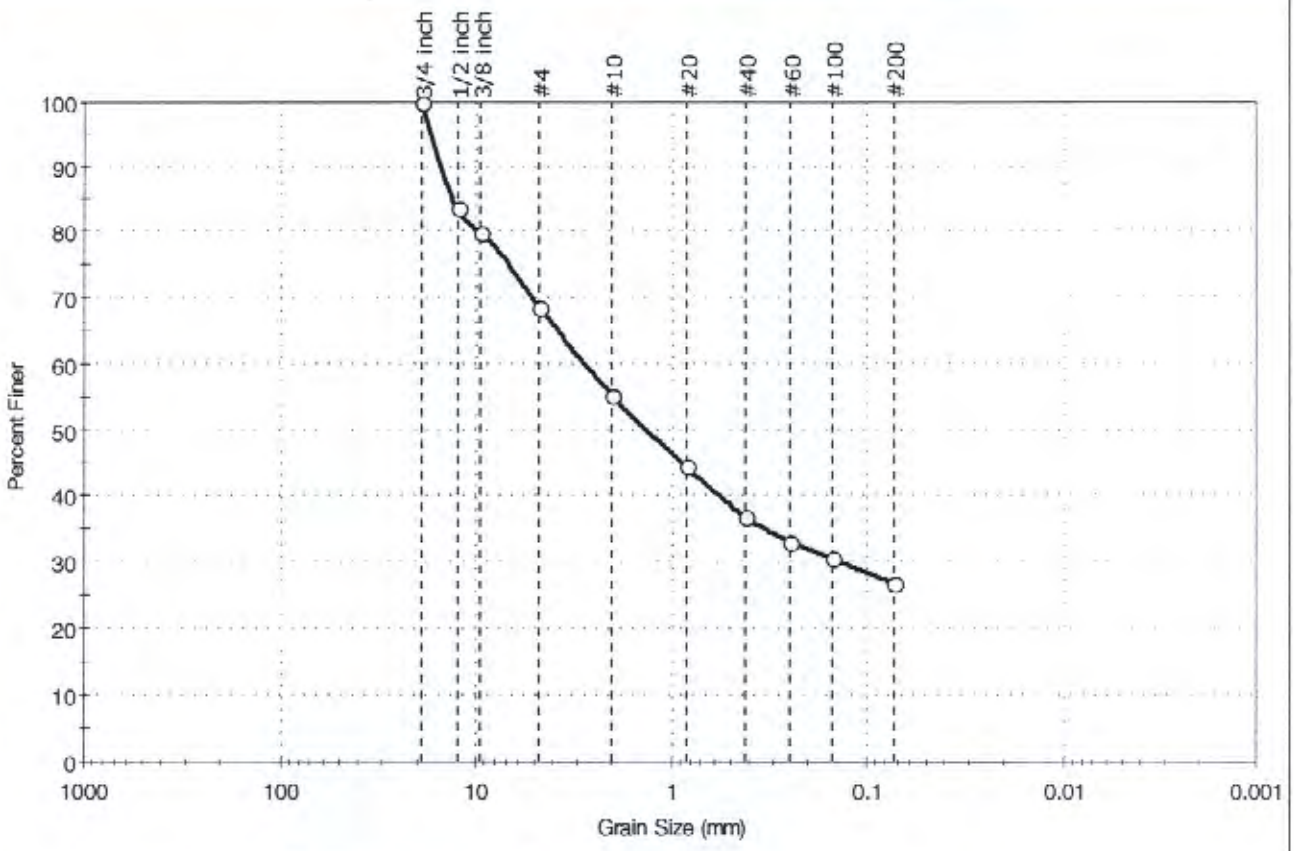
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-2	Sample Type:	jar	Tested By:	pcs
Sample ID:	Composite	Test Date:	02/10/06	Checked By:	jdt
Depth :	53-60 ft.	Test Id:	84975		
Test Comment:	---				
Sample Description:	Moist, dark grayish brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
–	31.6	41.6	26.8

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
3/4 inch	19.00	100		
1/2 inch	12.50	83		
3/8 inch	9.50	80		
#4	4.75	68		
#10	2.00	55		
#20	0.84	44		
#40	0.42	37		
#60	0.25	33		
#100	0.15	31		
#200	0.074	27		

Coefficients

D_{85} = 13.0305 mm	D_{30} = 0.1348 mm
D_{60} = 2.7593 mm	D_{15} = N/A
D_{50} = 1.3278 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 : ANGULAR

Sand/Gravel Hardness : HARD

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Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-2	Sample Type:	jar	Tested By:	pcs
Sample ID:	Composite	Test Date:	02/16/06	Checked By:	jdt
Depth :	53-60 ft.	Test Id:	84993		
Test Comment:	---				
Sample Description:	Moist, dark grayish brown silty sand with gravel				
Sample Comment:	---				

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
*	Composite	GT-2	53-60 ft.	7	n/a	n/a	n/a	n/a	Silty sand with gravel (SM)

63% Retained on #40 Sieve
Dry Strength: MEDIUM
Dilentancy: n/a
Toughness: n/a
The sample was determined to be Non-Plastic

GeoTesting express
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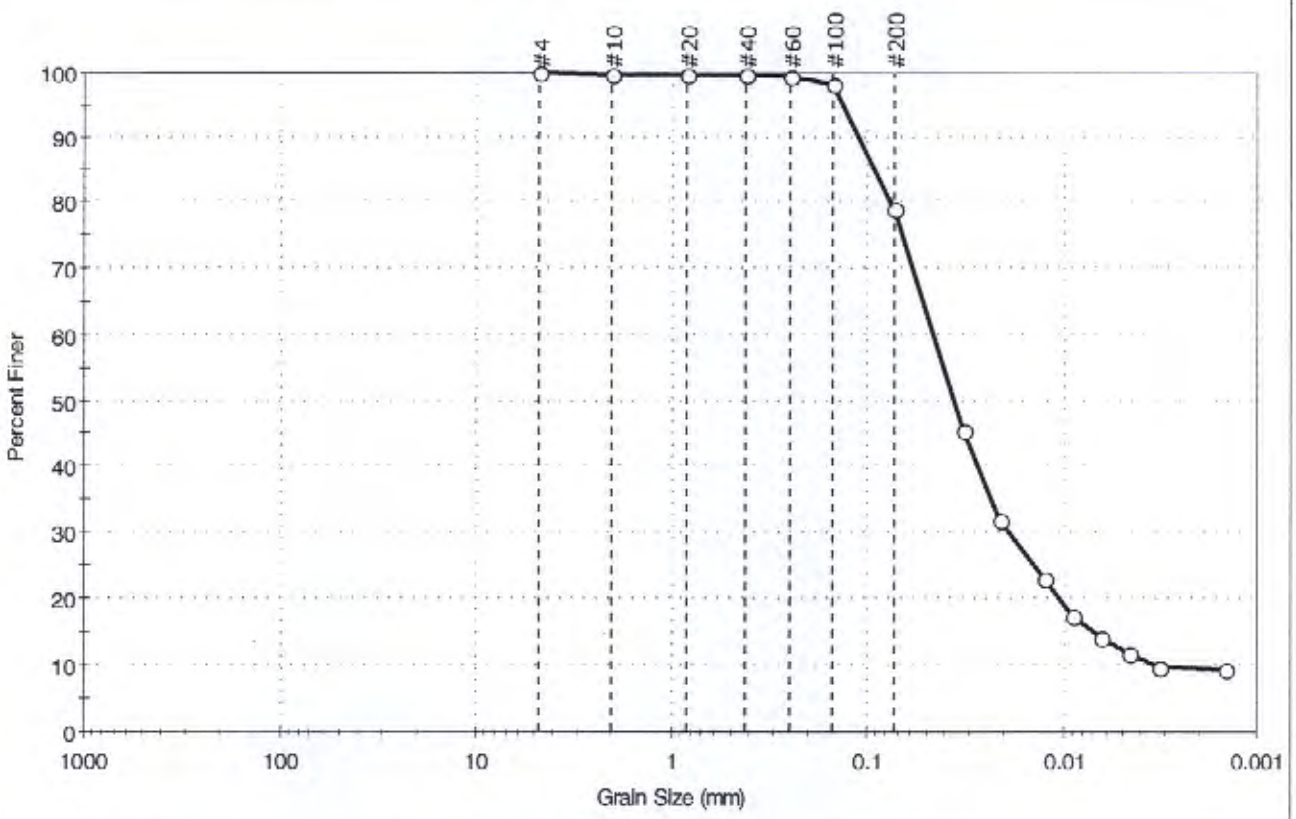
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-3	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/10/06	Checked By:	jdt
Depth :	8-10 ft.	Test Id:	84968		
Test Comment:	---				
Sample Description:	Moist, yellowish brown silt with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.1	21.0	78.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.84	100		
#40	0.42	100		
#60	0.25	100		
#100	0.15	98		
#200	0.074	79		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0322	45		
---	0.0212	32		
---	0.0126	23		
---	0.0090	17		
---	0.0064	14		
---	0.0046	12		
---	0.0032	10		
---	0.0015	9		

Coefficients

D_{85} = 0.0924 mm	D_{30} = 0.0189 mm
D_{60} = 0.0463 mm	D_{15} = 0.0070 mm
D_{50} = 0.0361 mm	D_{10} = 0.0034 mm
C_u = 13.618	C_c = 2.269

Classification

ASTM silt with sand (ML)

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

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Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-3	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/11/06	Checked By:	jdt
Depth :	8-10 ft.	Test Id:	84994		
Test Comment:	---				
Sample Description:	Moist, yellowish brown silt with sand				
Sample Comment:	---				

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

Symbol	Sample ID	Boring	Depth	Natural Moisture Content, %	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
*	---	GT-3	8-10 ft.	24	n/a	n/a	n/a	n/a	silt with sand (ML)

0% Retained on #40 Sieve
Dry Strength: MEDIUM
Dilentancy: n/a
Toughness: n/a
The sample was determined to be Non-Plastic

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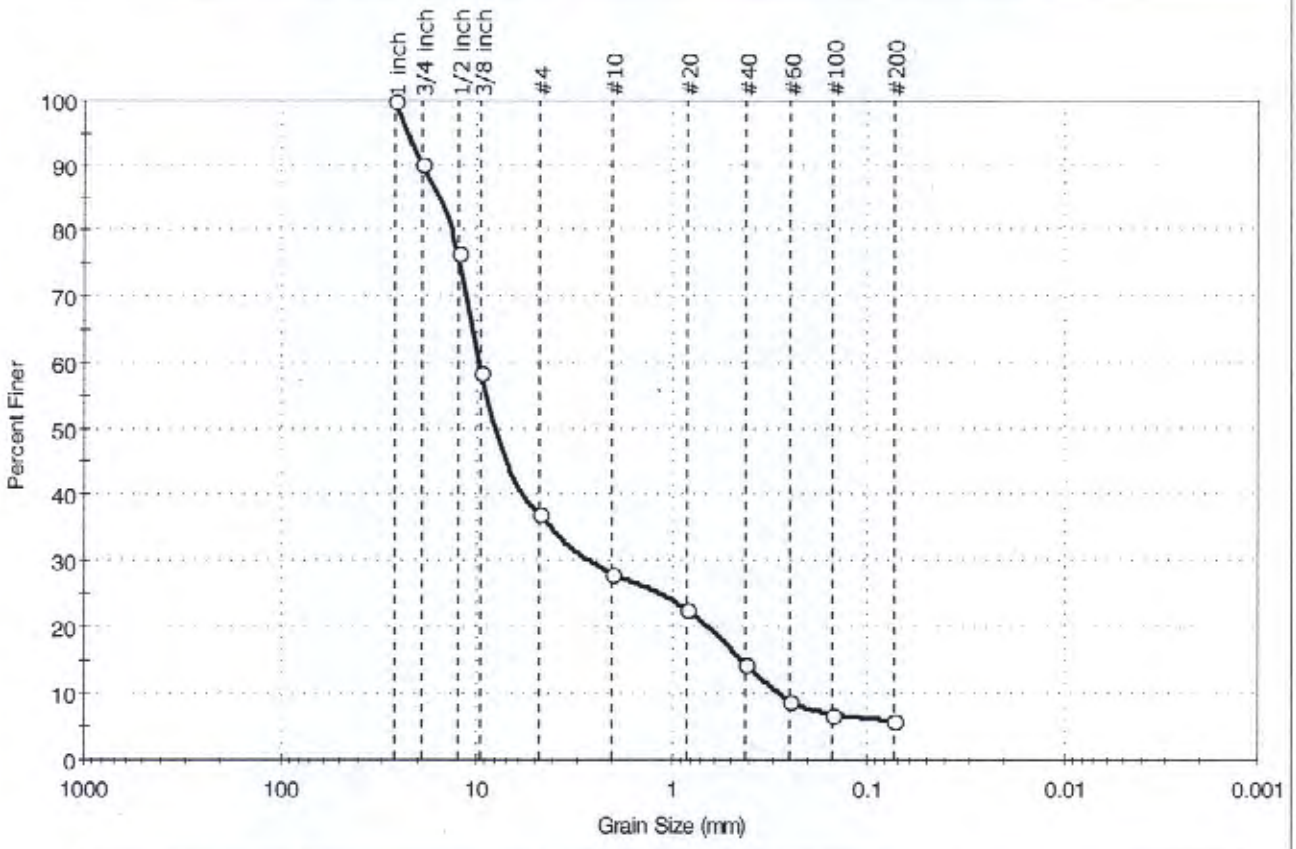
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-3	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/09/06	Checked By:	jdt
Depth :	23-25 ft.	Test Id:	84976		
Test Comment:	---				
Sample Description:	Moist, olive brown gravel with silt and sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	62.9	31.2	5.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 inch	25.70	100		
3/4 inch	19.00	90		
1/2 inch	12.50	76		
3/8 inch	9.50	68		
#4	4.75	37		
#10	2.00	28		
#20	0.84	23		
#40	0.42	15		
#60	0.25	9		
#100	0.15	7		
#200	0.074	6		

Coefficients

D_{85} = 16.2456 mm	D_{30} = 2.4147 mm
D_{60} = 9.7482 mm	D_{15} = 0.4363 mm
D_{50} = 7.2463 mm	D_{10} = 0.2754 mm
C_U = 35.397	C_C = 2.172

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

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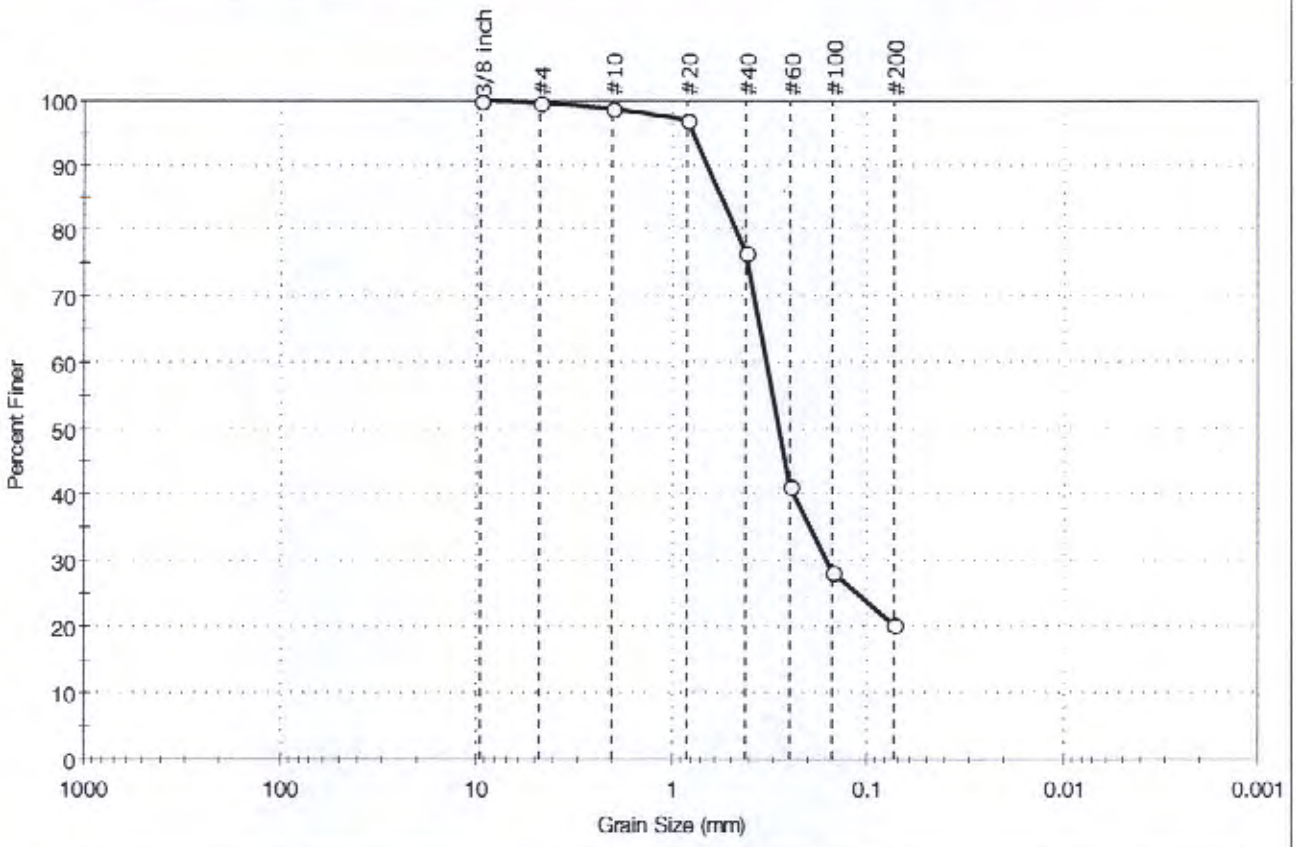
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-3	Sample Type:	jar	Tested By:	pcs
Sample ID:	Composite	Test Date:	02/10/06	Checked By:	jdt
Depth :	38-45 ft.	Test Id:	84977		
Test Comment:	---				
Sample Description:	Moist, very dark gray silty sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



%Cobble	%Gravel	%Sand	%Silt & Clay Size
–	0.3	79.3	20.4

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
3/8 inch	9.51	100		
#4	4.75	100		
#10	2.00	99		
#20	0.84	97		
#40	0.42	76		
#60	0.25	41		
#100	0.15	28		
#200	0.074	20		

Coefficients

D_{85} = 0.5622 mm	D_{30} = 0.1587 mm
D_{60} = 0.3298 mm	D_{15} = N/A
D_{50} = 0.2844 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

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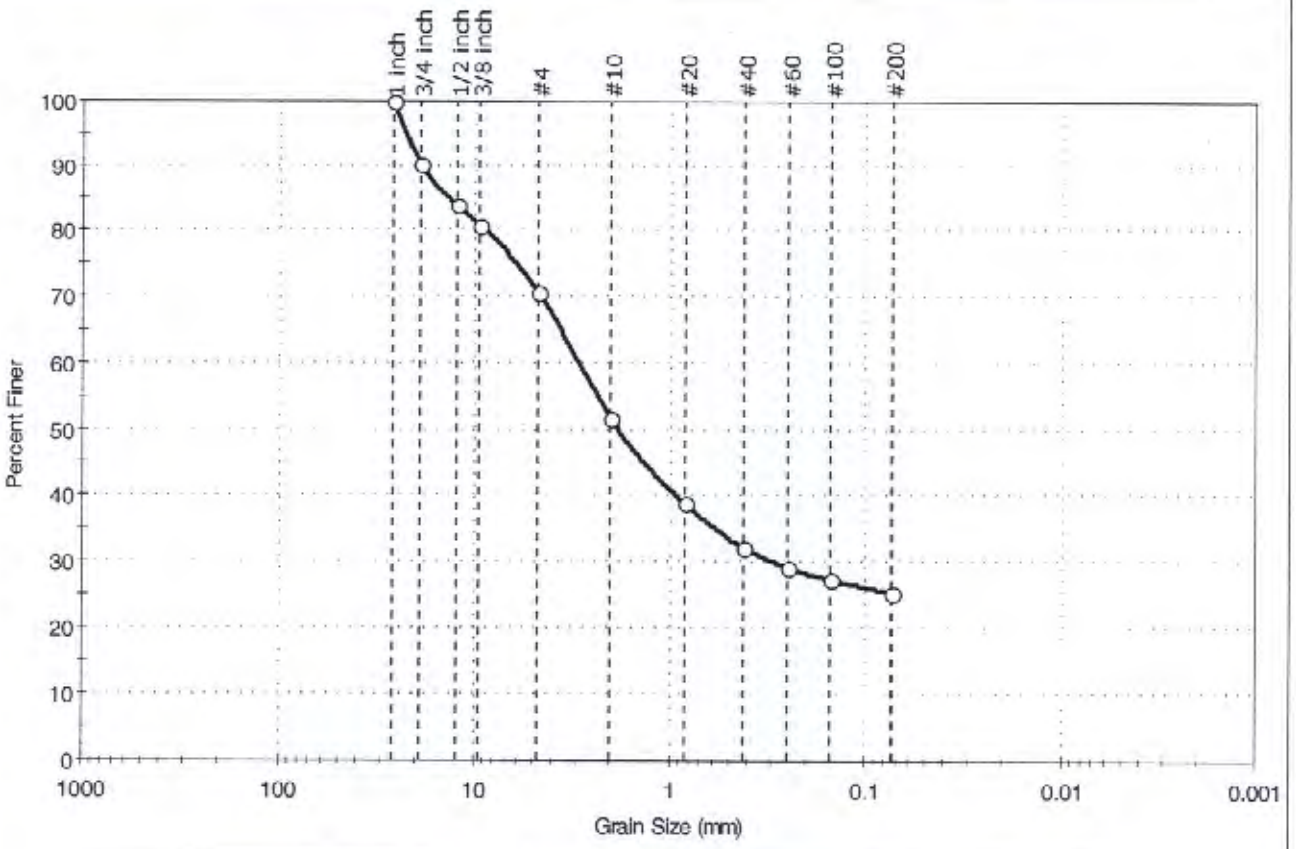
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-3	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/09/06	Checked By:	jdt
Depth :	63-65 ft.	Test Id:	84978		
Test Comment:	---				
Sample Description:	Moist, very dark grayish brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	29.5	45.1	25.4

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 inch	25.70	100		
3/4 inch	19.00	90		
1/2 inch	12.50	84		
3/8 inch	9.50	81		
#4	4.75	70		
#10	2.00	52		
#20	0.84	39		
#40	0.42	32		
#60	0.25	29		
#100	0.15	27		
#200	0.074	25		

Coefficients

D_{85} = 13.4489 mm	D_{30} = 0.2887 mm
D_{60} = 2.9451 mm	D_{15} = N/A
D_{50} = 1.7986 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM Silty sand with gravel (SM)

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

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

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Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-3	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/11/06	Checked By:	jdt
Depth :	63-65 ft.	Test Id:	84995		
Test Comment:	---				
Sample Description:	Moist, very dark grayish brown silty sand with gravel				
Sample Comment:	---				

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
*	---	GT-3	63-65 ft.	7	n/a	n/a	n/a	n/a	Silty sand with gravel (SM)

68% Retained on #40 Sieve
Dry Strength: MEDIUM
Dilentancy: n/a
Toughness: n/a
The sample was determined to be Non-Plastic

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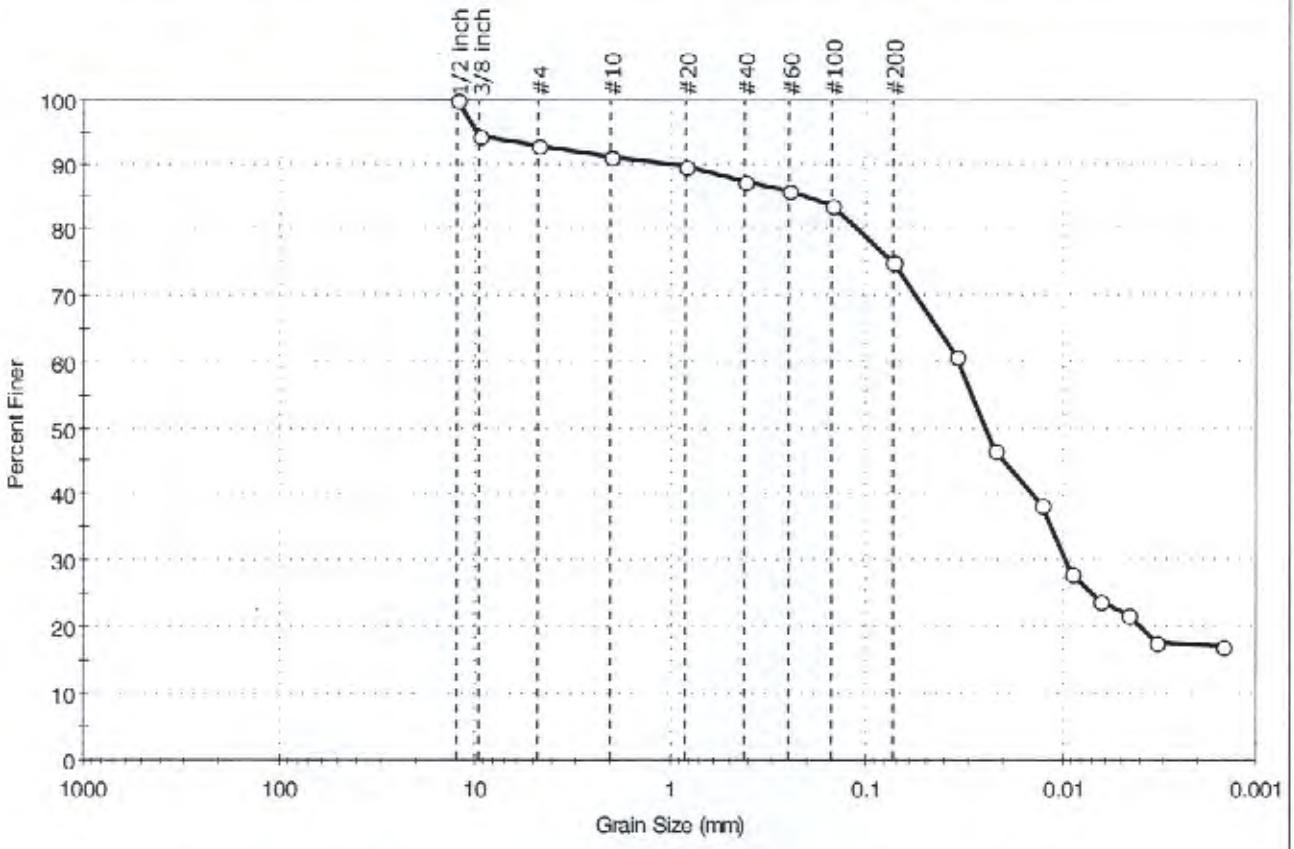
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-4	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/10/06	Checked By:	jdt
Depth :	14-16 ft.	Test Id:	84969		
Test Comment:	---				
Sample Description:	Moist, dark yellowish brown clay with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	7.0	18.2	74.8

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1/2 inch	12.50	100		
3/8 inch	9.50	94		
#4	4.75	93		
#10	2.00	91		
#20	0.84	90		
#40	0.42	87		
#60	0.25	86		
#100	0.15	84		
#200	0.074	75		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0348	61		
---	0.0222	47		
---	0.0130	38		
---	0.0090	28		
---	0.0065	24		
---	0.0046	22		
---	0.0033	18		
---	0.0015	17		

Coefficients

D_{85} = 0.2118 mm	D_{30} = 0.0096 mm
D_{60} = 0.0338 mm	D_{15} = N/A
D_{50} = 0.0248 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM lean clay with sand (CL)

AASHTO Clayey Soils (A-6 (7))

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

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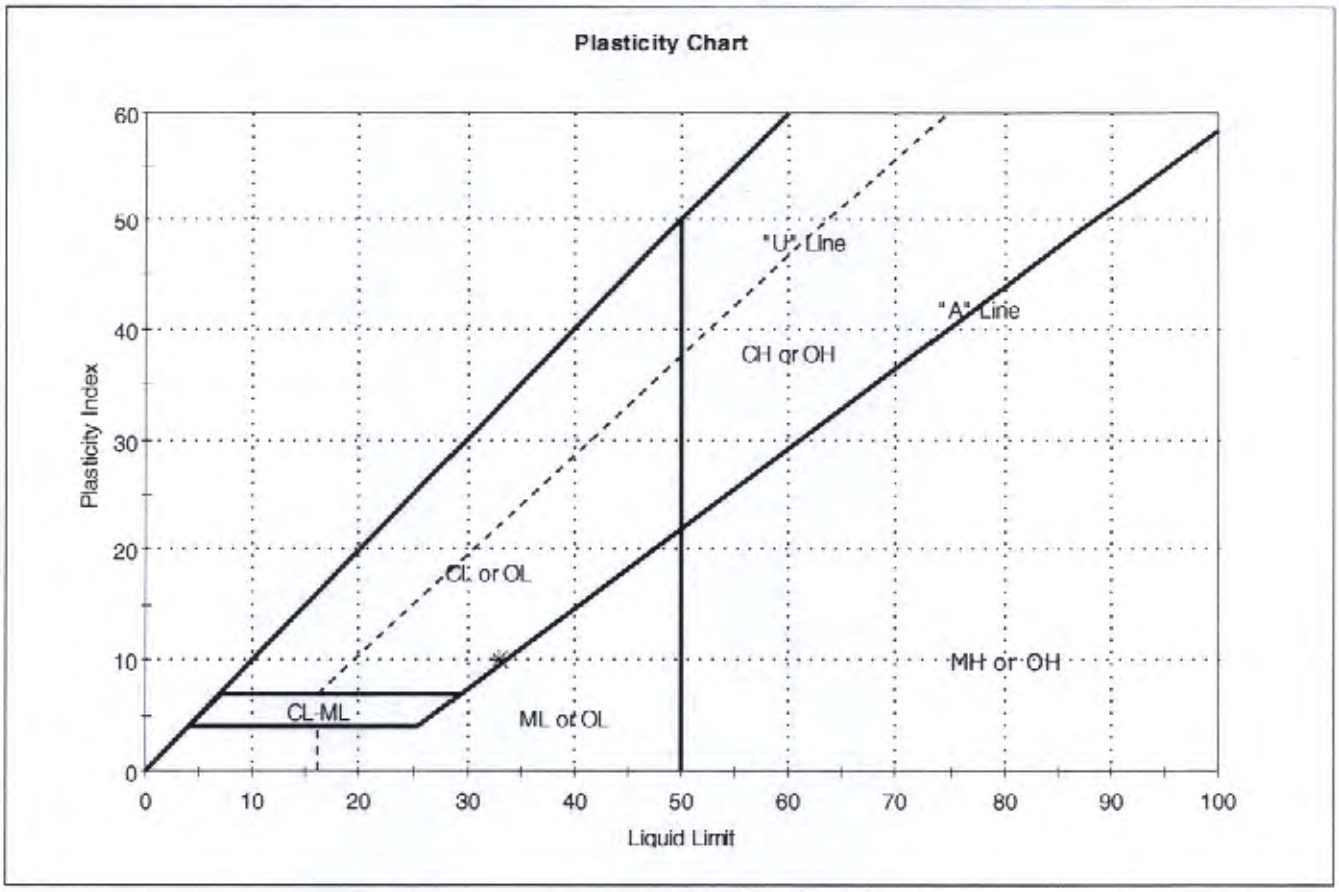
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-4	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/11/06	Checked By:	jdl
Depth :	14-16 ft.	Test Id:	84996		
Test Comment:	---				
Sample Description:	Moist, dark yellowish brown clay with sand				
Sample Comment:	---				

Atterberg Limits - ASTM D 4318



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
*	---	GT-4	14-16 ft.	24	33	23	10	0	lean clay with sand (CL)

Sample Prepared using the WET method
13% Retained on #40 Sieve
Dry Strength: HIGH
Dilentancy: NONE
Toughness: LOW

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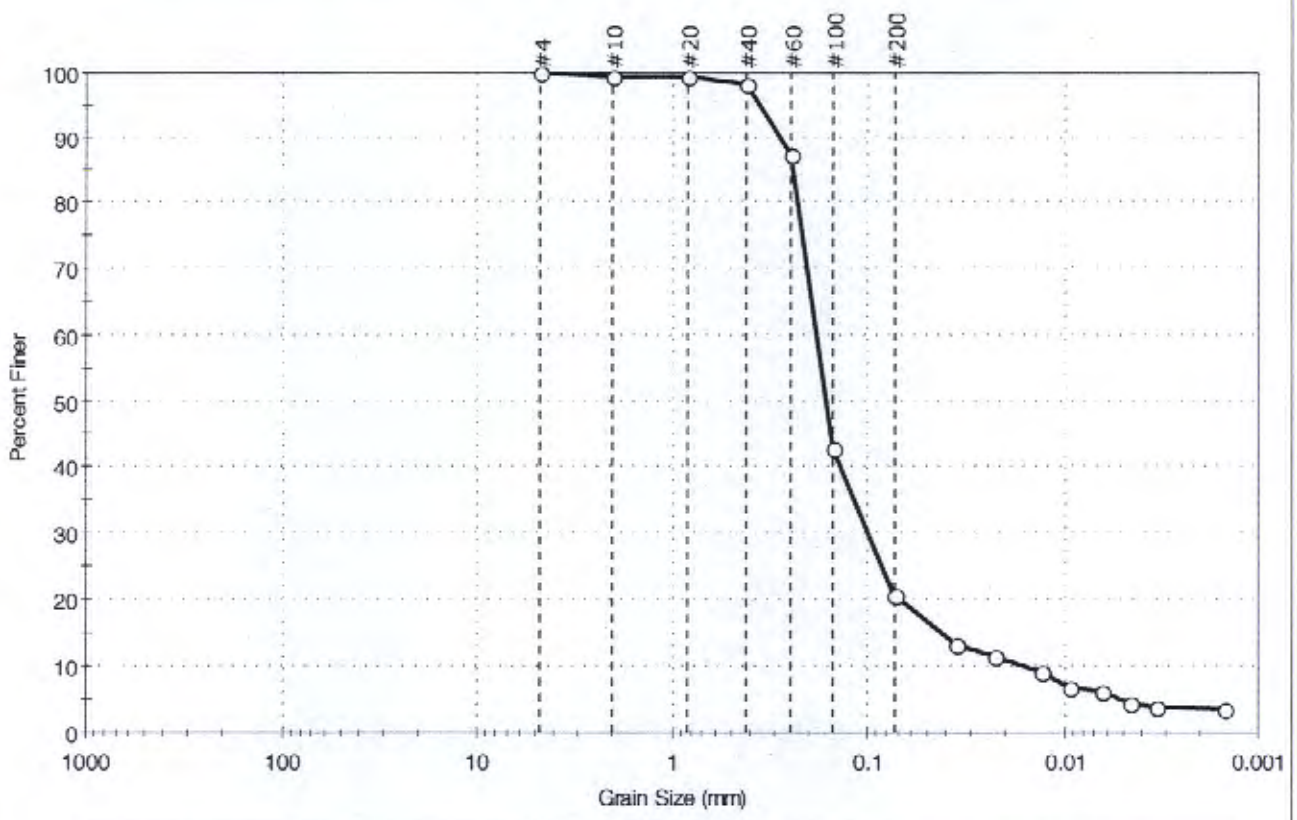
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-4	Sample Type:	jar	Tested By:	pcs
Sample ID:	Composite	Test Date:	02/10/06	Checked By:	jdt
Depth :	26-35 ft.	Test Id:	84970		
Test Comment:	---				
Sample Description:	Moist, very dark grayish brown silty sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	—	79.4	20.6

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.84	99		
#40	0.42	98		
#60	0.25	87		
#100	0.15	43		
#200	0.074	21		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0356	13		
---	0.0226	12		
---	0.0132	9		
---	0.0093	7		
---	0.0065	6		
---	0.0046	4		
---	0.0033	4		
---	0.0015	3		

Coefficients

D_{85} = 0.2431 mm	D_{30} = 0.1000 mm
D_{60} = 0.1827 mm	D_{15} = 0.0425 mm
D_{50} = 0.1630 mm	D_{10} = 0.0156 mm
C_u = 11.712	C_c = 3.509

Classification

ASTM N/A

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

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

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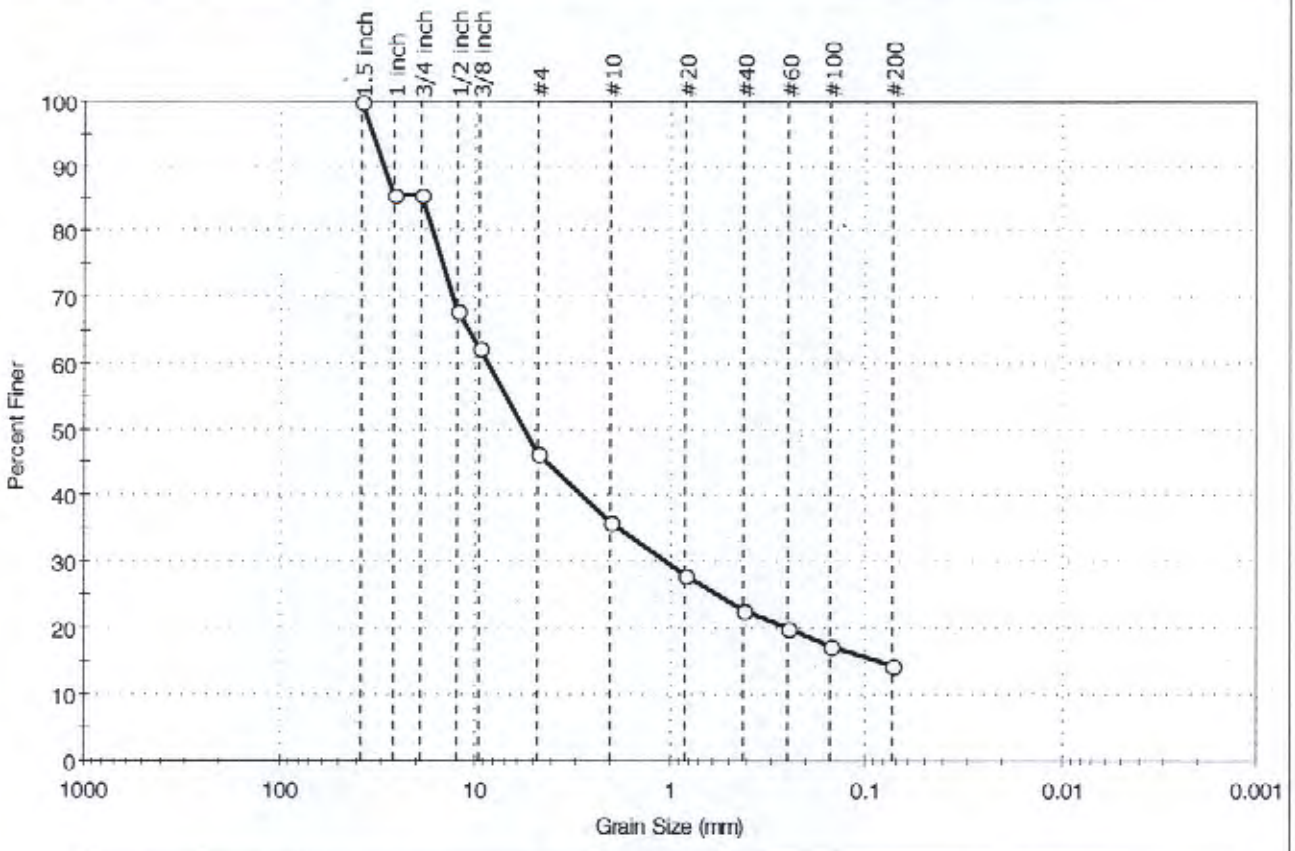
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-4	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/09/06	Checked By:	jdt
Depth :	48-50 ft.	Test Id:	84979		
Test Comment:	Material above 1" consisted of one stone				
Sample Description:	Moist, light olive brown silty gravel with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	53.6	31.9	14.5

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.5 inch	38.10	100		
1 inch	25.70	86		
3/4 inch	19.00	86		
1/2 inch	12.50	68		
3/8 inch	9.50	62		
#4	4.75	46		
#10	2.00	36		
#20	0.84	28		
#40	0.42	23		
#60	0.25	20		
#100	0.15	17		
#200	0.074	14		

Coefficients

D_{85} = 18.7213 mm	D_{30} = 1.0450 mm
D_{60} = 8.6511 mm	D_{15} = 0.0841 mm
D_{50} = 5.5669 mm	D_{10} = 0.0242 mm
C_u = 357.483	C_c = 5.216

Classification

ASTM N/A

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

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

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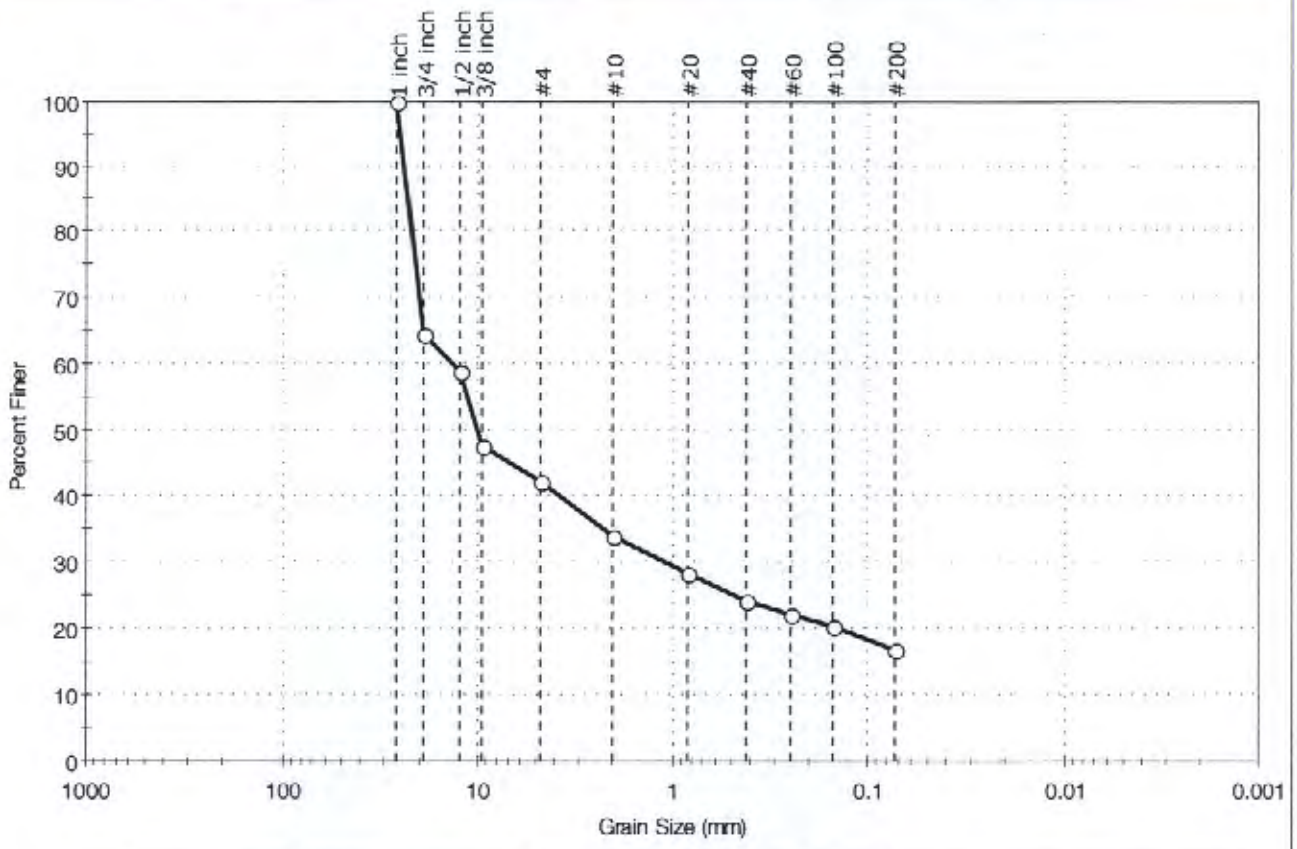
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-4	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/09/06	Checked By:	jdt
Depth :	53-55 ft.	Test Id:	84980		
Test Comment:	---				
Sample Description:	Moist, light olive brown silty gravel with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
–	58.0	25.3	16.7

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 inch	25.70	100		
3/4 inch	19.00	64		
1/2 inch	12.50	59		
3/8 inch	9.50	47		
#4	4.75	42		
#10	2.00	34		
#20	0.84	28		
#40	0.42	24		
#60	0.25	22		
#100	0.15	20		
#200	0.074	17		

Coefficients

D_{85} = 22.6510 mm	D_{30} = 1.0981 mm
D_{60} = 13.8813 mm	D_{15} = N/A
D_{50} = 10.1240 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM Silty gravel with sand (GM)

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

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

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Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-4	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/11/06	Checked By:	jdt
Depth :	53-55 ft.	Test Id:	84997		
Test Comment:	---				
Sample Description:	Moist, light olive brown silty gravel with sand				
Sample Comment:	---				

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

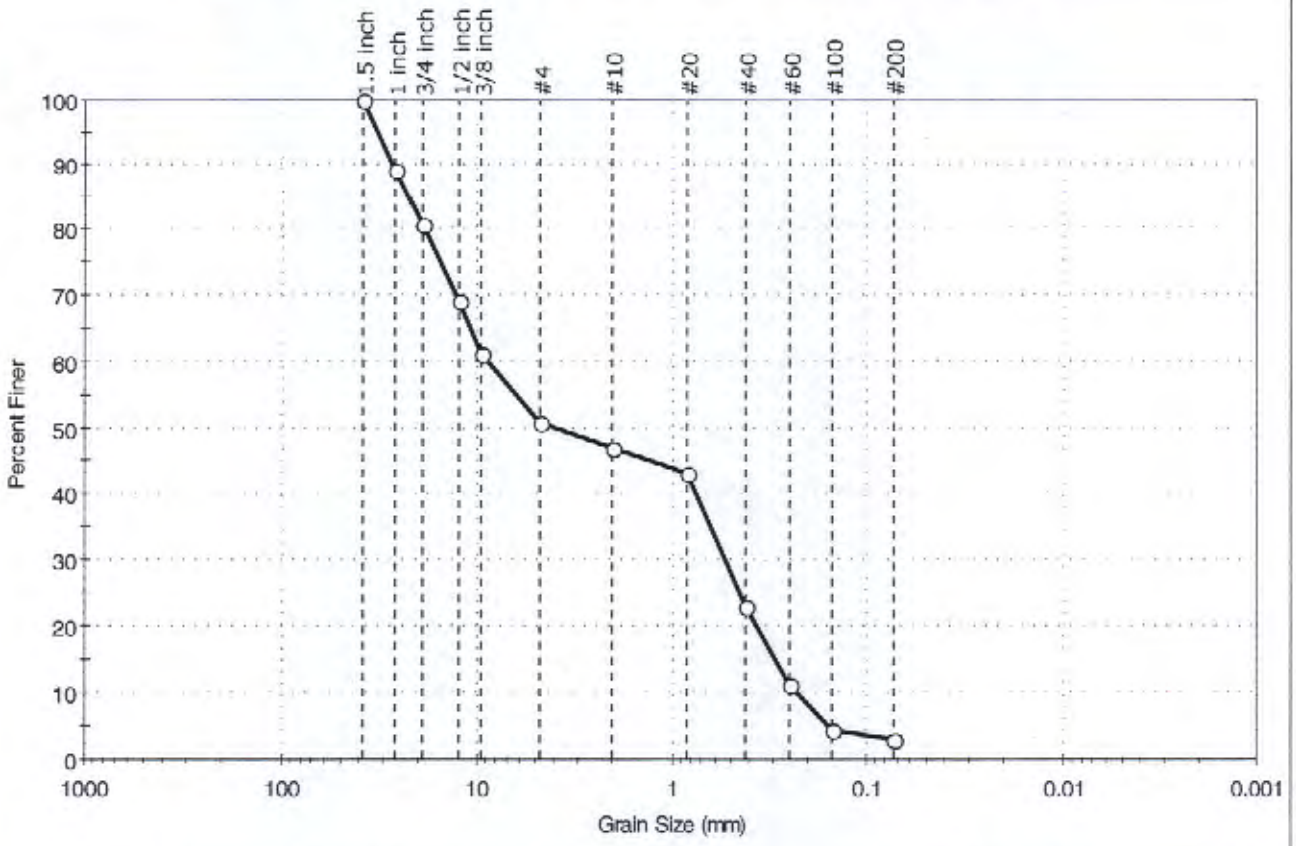
Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
*	---	GT-4	53-55 ft.	6	n/a	n/a	n/a	n/a	Silty gravel with sand (GM)

76% Retained on #40 Sieve
Dry Strength: MEDIUM
Dilentancy: n/a
Toughness: n/a
The sample was determined to be Non-Plastic

GeoTesting express
a subsidiary of Geocomp Corporation

Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-6	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/09/06	Checked By:	jdt
Depth :	27-29 ft.	Test Id:	84981		
Test Comment:	---				
Sample Description:	Moist, dark olive brown gravel with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	49.1	47.8	3.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.5 inch	38.10	100		
1 inch	25.70	89		
3/4 inch	19.00	81		
1/2 inch	12.50	69		
3/8 inch	9.50	61		
#4	4.75	51		
#10	2.00	47		
#20	0.84	43		
#40	0.42	23		
#60	0.25	11		
#100	0.15	4		
#200	0.074	3		

Coefficients

D_{85} = 22.1916 mm	D_{30} = 0.5359 mm
D_{60} = 8.9123 mm	D_{15} = 0.2959 mm
D_{50} = 3.9354 mm	D_{10} = 0.2287 mm
C_u = 38.969	C_c = 0.141

Classification

ASTM — Poorly graded gravel with sand (GP)

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

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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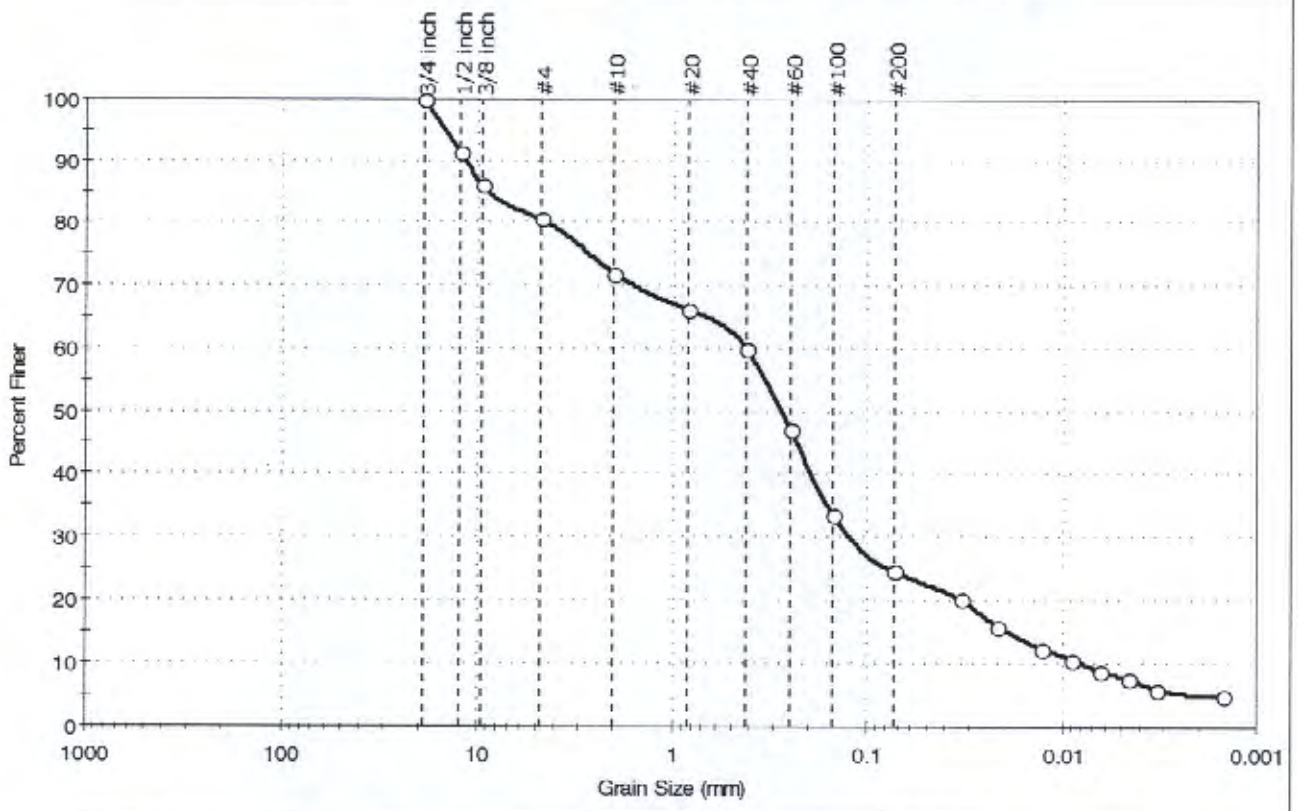
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-6	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/10/06	Checked By:	jdt
Depth :	48-50 ft.	Test Id:	84971		
Test Comment:	---				
Sample Description:	Moist, olive brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



%Cobble	%Gravel	%Sand	%Silt & Clay Size
—	19.6	55.7	24.7

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
3/4 inch	19.00	100		
1/2 inch	12.50	91		
3/8 inch	9.50	86		
#4	4.75	80		
#10	2.00	72		
#20	0.84	66		
#40	0.42	60		
#60	0.25	47		
#100	0.15	33		
#200	0.074	25		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0337	20		
---	0.0217	16		
---	0.0128	13		
---	0.0090	11		
---	0.0065	9		
---	0.0046	8		
---	0.0033	6		
---	0.0015	5		

Coefficients

D_{85} = 8.3983 mm	D_{30} = 0.1128 mm
D_{60} = 0.4196 mm	D_{15} = 0.0185 mm
D_{50} = 0.2795 mm	D_{10} = 0.0079 mm
C_u = 53.114	C_c = 3.838

Classification

ASTM N/A

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

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

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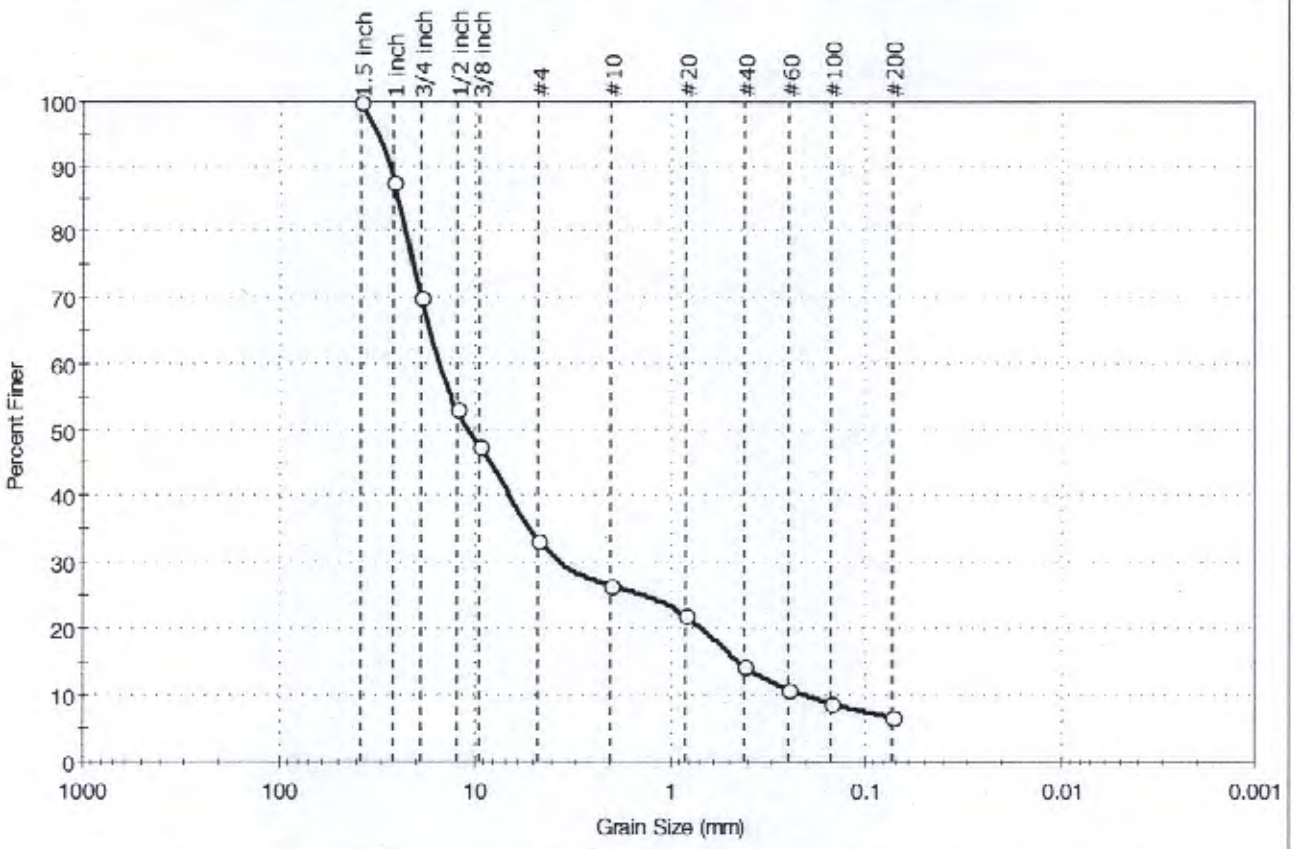
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-6	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/10/06	Checked By:	jdt
Depth :	29-31 ft.	Test Id:	84982		
Test Comment:	---				
Sample Description:	Moist, light olive brown gravel with silt and sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
–	66.8	26.5	6.7

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.5 inch	38.10	100		
1 inch	25.70	88		
3/4 inch	19.00	70		
1/2 inch	12.50	53		
3/8 inch	9.50	47		
#4	4.75	33		
#10	2.00	27		
#20	0.84	22		
#40	0.42	14		
#60	0.25	11		
#100	0.15	9		
#200	0.074	7		

Coefficients

D_{85} = 24.6108 mm	D_{30} = 3.1164 mm
D_{60} = 14.8560 mm	D_{15} = 0.4435 mm
D_{50} = 10.7660 mm	D_{10} = 0.1981 mm
C_u = 74.992	C_c = 3.300

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

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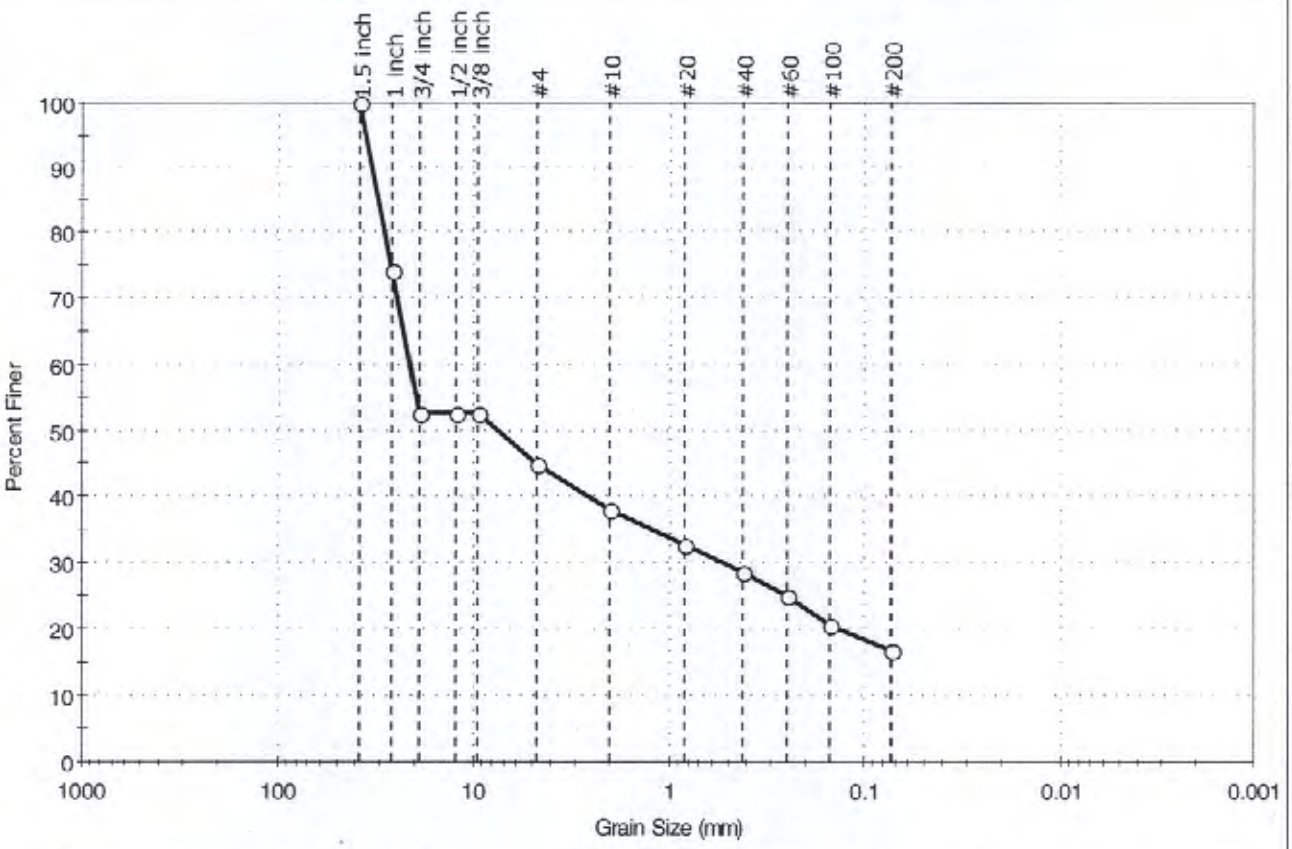
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-6	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/10/06	Checked By:	jdt
Depth :	53-55 ft.	Test Id:	84983		
Test Comment:	---				
Sample Description:	Moist, light olive brown silty gravel with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



%Cobble	%Gravel	%Sand	%Silt & Clay Size
—	55.1	28.2	16.7

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.5 inch	38.10	100		
1 inch	25.70	74		
3/4 inch	19.00	52		
1/2 inch	12.50	52		
3/8 inch	9.50	52		
#4	4.75	45		
#10	2.00	38		
#20	0.84	33		
#40	0.42	29		
#60	0.25	25		
#100	0.15	21		
#200	0.074	17		

Coefficients

D_{85} = 30.3546 mm	D_{30} = 0.5342 mm
D_{60} = 21.1131 mm	D_{15} = N/A
D_{50} = 7.5650 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM Silty gravel with sand (GM)

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

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

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Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-6	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/11/06	Checked By:	jdt
Depth :	53-55 ft.	Test Id:	84998		
Test Comment:	---				
Sample Description:	Moist, light olive brown silty gravel with sand				
Sample Comment:	---				

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
*	---	GT-6	53-55 ft.	6	n/a	n/a	n/a	n/a	Silty gravel with sand (GM)

71% Retained on #40 Sieve
Dry Strength: MEDIUM
Dilentancy: n/a
Toughness: n/a
The sample was determined to be Non-Plastic

GeoTesting express
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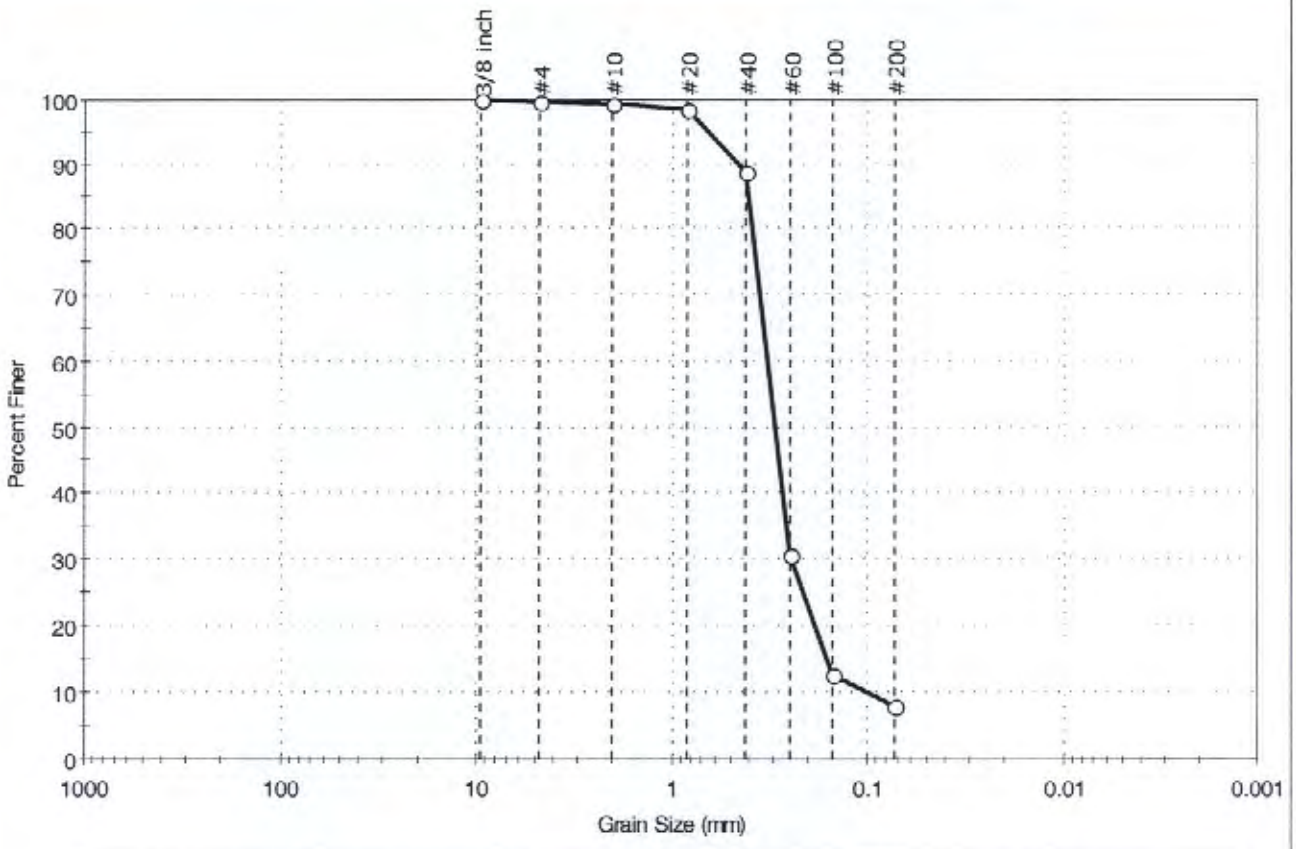
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-7	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/10/06	Checked By:	jdt
Depth :	16-18 ft.	Test Id:	84984		
Test Comment:	---				
Sample Description:	Moist, dark olive brown sand with silt				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
–	0.3	91.6	8.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
3/8 inch	9.51	100		
#4	4.75	100		
#10	2.00	99		
#20	0.84	99		
#40	0.42	89		
#60	0.25	31		
#100	0.15	13		
#200	0.074	8		

Coefficients

D_{85} = 0.4064 mm	D_{30} = 0.2455 mm
D_{60} = 0.3251 mm	D_{15} = 0.1589 mm
D_{50} = 0.2973 mm	D_{10} = 0.0985 mm
C_u = 3.301	C_c = 1.882

Classification

ASTM N/A

AASHTO Fine Sand (A-3 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

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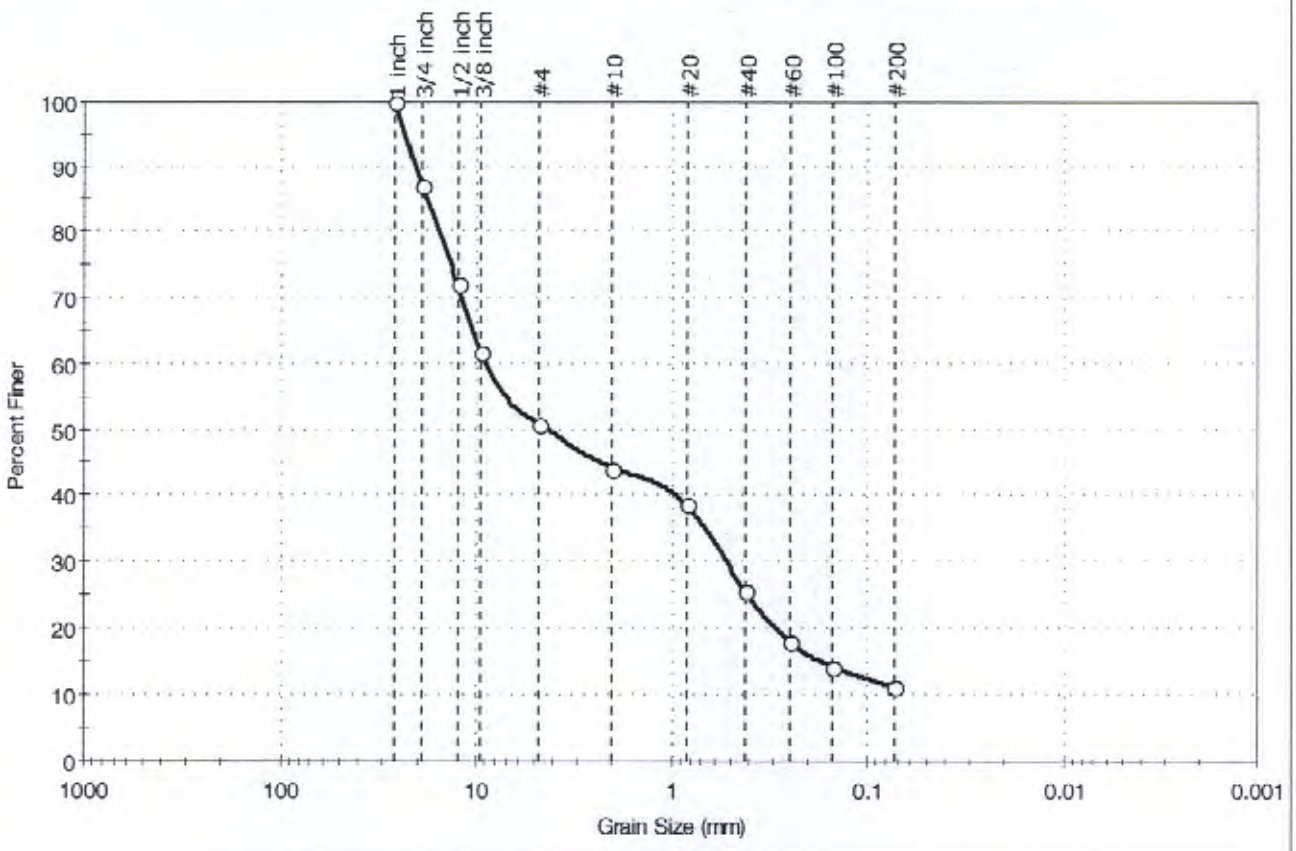
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-7	Sample Type:	jar	Tested By:	pcs
Sample ID:	---	Test Date:	02/10/06	Checked By:	jdt
Depth :	28-30 ft.	Test Id:	84985		
Test Comment:	---				
Sample Description:	Moist, olive brown gravel with silt and sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	49.1	39.7	11.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 inch	25.70	100		
3/4 inch	19.00	87		
1/2 inch	12.50	72		
3/8 inch	9.50	62		
#4	4.75	51		
#10	2.00	44		
#20	0.84	39		
#40	0.42	26		
#60	0.25	18		
#100	0.15	14		
#200	0.074	11		

Coefficients

D_{85} = 17.9464 mm	D_{30} = 0.5322 mm
D_{60} = 8.5787 mm	D_{15} = 0.1656 mm
D_{50} = 4.2568 mm	D_{10} = 0.0566 mm
C_u = 151.567	C_c = 0.583

Classification

ASTM N/A

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

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

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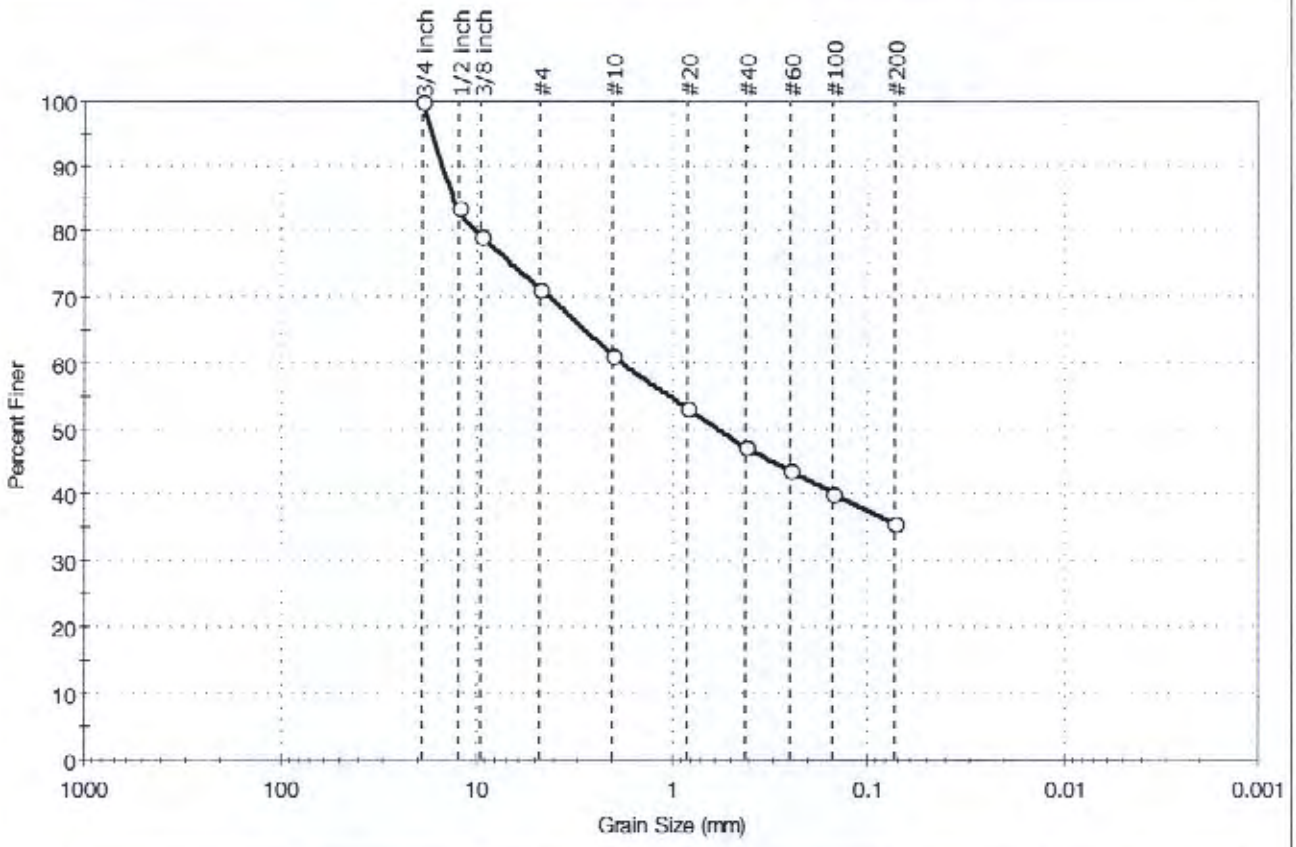
Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-7	Sample Type:	jar	Tested By:	pcs
Sample ID:	Composite	Test Date:	02/10/06	Checked By:	jdt
Depth :	53-60 ft.	Test Id:	84986		
Test Comment:	---				
Sample Description:	Moist, dark olive brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
–	28.8	35.6	35.6

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
3/4 inch	19.00	100		
1/2 inch	12.50	83		
3/8 inch	9.50	79		
#4	4.75	71		
#10	2.00	61		
#20	0.84	53		
#40	0.42	47		
#60	0.25	44		
#100	0.15	40		
#200	0.074	36		

Coefficients

D_{85} = 12.9979 mm	D_{30} = N/A
D_{60} = 1.7928 mm	D_{15} = N/A
D_{50} = 0.5872 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 : ANGULAR

Sand/Gravel Hardness : HARD

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Client:	Blasland, Bouck & Lee, Inc.				
Project:	NYSEG Binghamton Court Street MGP Site				
Location:	Binghamton, NY			Project No:	GTX-6478
Boring ID:	GT-7	Sample Type:	jar	Tested By:	pcs
Sample ID:	Composite	Test Date:	02/16/06	Checked By:	jdt
Depth :	53-60 ft.	Test Id:	84999		
Test Comment:	---				
Sample Description:	Moist, dark olive brown silty sand with gravel				
Sample Comment:	---				

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
*	Composite	GT-7	53-60 ft.	10	n/a	n/a	n/a	n/a	Silty sand with gravel (SM)

53% Retained on #40 Sieve
Dry Strength: MEDIUM
Dilentancy: n/a
Toughness: n/a
The sample was determined to be Non-Plastic

GeoTesting express

Client:	Blasland, Bouck & Lee, Inc.		
Project Name:	NYSEG Binghamton Court Street MGP Site		
Project Location:	Binghamton, NY		
GTX #:	6478		
Start Date:	02/15/06	Tested By:	pcs
End Date:	02/16/06	Checked By:	jdt
Boring #:	---		
Sample #:	Composite of GT-1 & GT-3		
Depth:	---		
Visual Description:	Moist, very dark gray silty sand with gravel		

Permeability of Granular Soils (Constant Head) by ASTM D 2434

Sample Type: Remolded

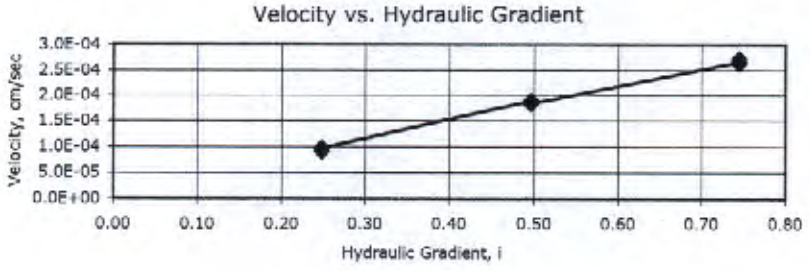
Sample Information:

Maximum Dry Density:	--- pcf
Optimum Moisture Content:	--- %
Compaction Test Method:	---
Classification (ASTM D 2487):	---
Assumed Specific Gravity:	2.7

Sample Preparation / Test Setup: Compacted to 108 pcf at air-dried moisture content; >3/8 inch material screened out of sample prior to testing (20% of sample). 5.27 lb surcharge

Parameter	Initial	Final
Height, in	2.02	2.02
Diameter, in	3.98	3.98
Area, in^2	12.4	12.4
Volume, in^3	25.1	25.1
Mass, g	711	844
Bulk Density, pcf	108	128
Moisture Content, %	0.1	22
Dry Density, pcf	108	105
Degree of Saturation, %	---	99.8
Void Ratio, e	---	0.57

Date	Reading #	Volume of Flow, cc	Time of Flow, sec	Flow Rate, cc/sec	Gradient	Permeability, cm/sec	Temp., °C	Correction Factor	Permeability @ 20 °C, cm/sec
02/16	1	0.35	45	0.01	0.25	3.9E-04	15.0	1.135	4.4E-04
02/16	2	0.33	45	0.01	0.25	3.7E-04	15.0	1.135	4.2E-04
02/16	3	0.35	45	0.01	0.25	3.9E-04	15.0	1.135	4.4E-04
02/16	4	0.68	45	0.02	0.50	3.8E-04	15.0	1.135	4.3E-04
02/16	5	0.68	45	0.02	0.50	3.8E-04	15.0	1.135	4.3E-04
02/16	6	0.66	45	0.01	0.50	3.7E-04	15.0	1.135	4.2E-04
02/16	7	0.96	45	0.02	0.74	3.6E-04	15.0	1.135	4.1E-04
02/16	8	0.95	45	0.02	0.74	3.5E-04	15.0	1.135	4.0E-04
02/16	9	0.98	45	0.02	0.74	3.6E-04	15.0	1.135	4.1E-04



PERMEABILITY @ 20 °C = 4.2×10^{-4} cm/sec

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Client:	Blasland, Bouck & Lee, Inc.		
Project Name:	NYSEG Binghamton Court Street MGP Site		
Project Location:	Binghampton, NY		
GTX #:	6478		
Start Date:	2/11/2006	Tested By:	nar
End Date:	2/15/2006	Checked By:	jdt
Boring #:	---	Test #:	---
Sample #:	GT-2 / GT-7 Composite Sample		
Depth:	53-60 ft.		
Visual Description:	Moist, dark grayish brown silty sand with gravel		

Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter by ASTM D 5084
Constant Volume

Sample Type:	Remolded	Permeant Fluid:	de-aired tap water
Orientation:	Vertical	Cell #:	---

Sample Preparation: Target compaction: 128.0 pcf at the as-received moisture content (values provided by client). Trimmings moisture content = 8.5%

Parameter	Initial	Final
Height, in	1.27	1.27
Diameter, in	2.87	2.87
Area, in^2	6.47	6.47
Volume, in^3	8.2	8.2
Mass, g	294	303
Bulk Density, pcf	136	140
Moisture Content, %	9	12
Dry Density, pcf	125	125
Degree of Saturation, %	---	98

B COEFFICIENT DETERMINATION

Cell Pressure, psi:	95	Pressure Increment, psi:	4.8
Sample Pressure, psi:	90	B Coefficient:	0.96

FLOW DATA

Date	Trial #	Pressure, psi		Manometer Readings			Elapsed Time,	Gradient	Permeability K,	Temp,		Permeability K @ 20 °C,
		Cell	Sample	Z_1	Z_2	Z_1-Z_2	sec		cm/sec	°C	R_t	cm/sec
02/14	1	90	85	8.0	7.0	1.0	19	31.2	1.4E-06	20	1.000	1.4E-06
02/14	2	90	85	8.0	7.0	1.0	19	31.2	1.4E-06	20	1.000	1.4E-06
02/14	3	90	85	8.0	7.0	1.0	19	31.2	1.4E-06	20	1.000	1.4E-06
02/14	4	90	85	8.0	7.0	1.0	20	31.2	1.3E-06	20	1.000	1.3E-06

PERMEABILITY AT 20° C: 1.3 x 10^{-6} cm/sec (@ 5 psi effective stress)

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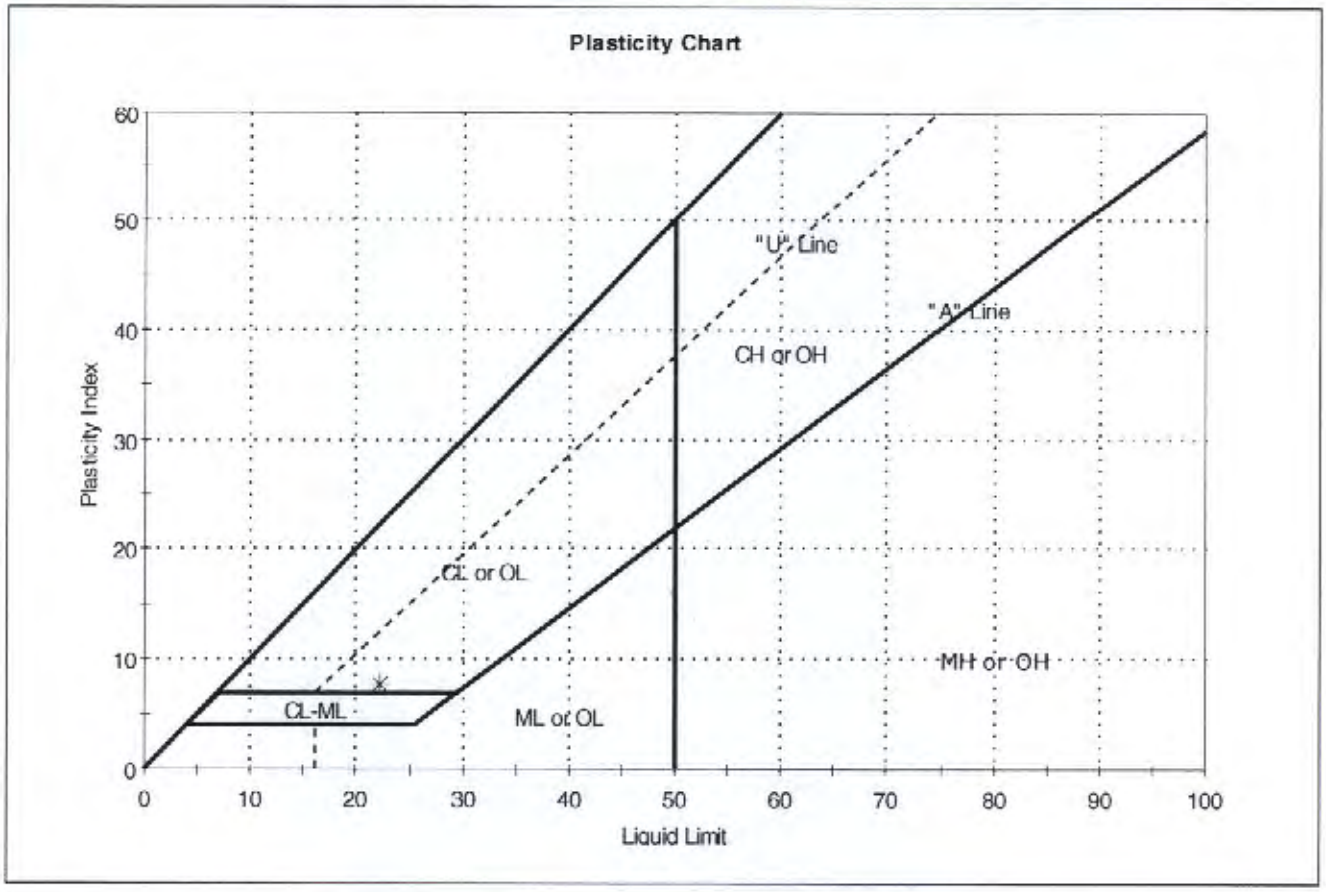
Client:	Blasland, Bouck & Lee, Inc.		
Project:	NYSEG Binghamton Court Street MGP Site		
Location:	Binghamton, NY	Project No:	GTX-6478
Boring ID: ---	Sample Type: tube	Tested By:	pcs
Sample ID: Composite of GT-2 & GT-7	Test Date: 02/16/06	Checked By:	jdt
Depth : ---	Test Id: 86255		
Test Comment: ---			
Sample Description: ---			
Sample Comment: ---			

Atterberg Limits - ASTM D 4318



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
*	Composite of GT-2 _GT-7	---	---	8	22	15	7	-1	

Sample Prepared using the WET method

Dry Strength: MEDIUM

Dilentancy: NONE

Toughness: LOW

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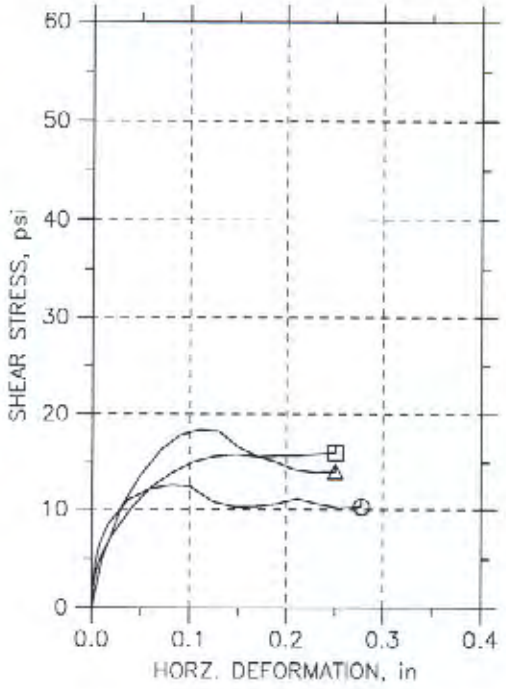
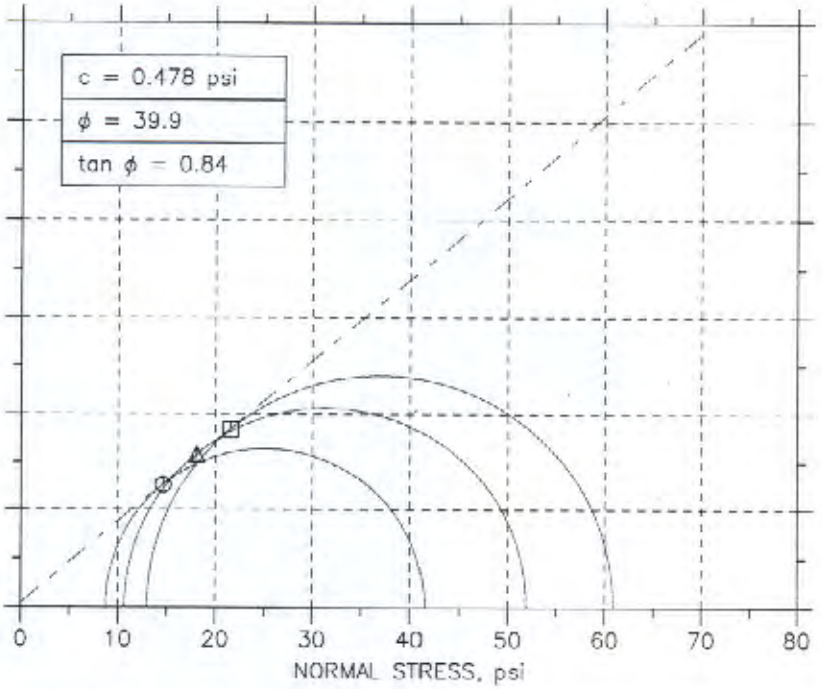
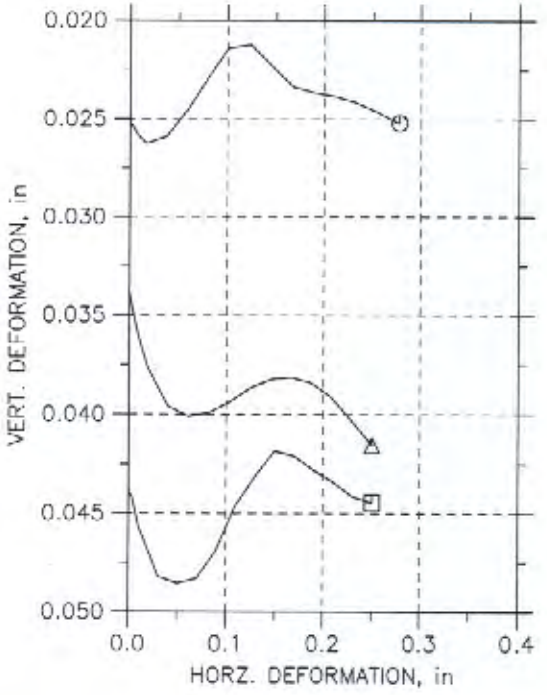
DIRECT SHEAR TEST REPORT







Symbol		⏲	△	⊡	
Test No.		ds-1	ds-2	ds-3	
Sample No.		GT4	GT4	GT4	
Shape		Circular	Circular	Circular	
Initial	Dimension, in	2.5	2.5	2.5	
	Area, in^2	4.9087	4.9087	4.9087	
	Height, in	1	1	1	
	Water Content, %	21.06	21.05	21.05	
	Dry Density, pcf	103	103	103	
	Saturation, %	92.05	92.04	92.04	
	Void Ratio	0.60619	0.60613	0.60614	
Consol. Height, in		0.97921	0.96777	0.9567	
Consol. Void Ratio		0.5728	0.55436	0.5366	
Final	Water Content, %	20.76	20.74	20.73	
	Dry Density, pcf	105.66	107.47	107.79	
	Saturation, %				
	Void Ratio				
Normal Stress, psi		14.593	18.054	21.535	
Max. Shear Stress, psi		12.569	15.818	18.378	
Ult. Shear Stress, psi		10.288	14.029	16.006	
Time to Failure, min		20.003	35.001	30.003	
Disp. Rate, in/min		0.004	0.004	0.004	
Estimated Specific Gravity		2.65	2.65	2.65	
Liquid Limit		---	---	---	
Plastic Limit		---	---	---	
Plasticity Index		---	---	---	

Project: NYSEG Binghamton Court St
Location: Binghamton, NY
Project No.: GTX-6478
Boring No.: GT4 Comp.
Sample Type: remolded
Description: Moist, very dark grayish brown silty sand
Remarks: Sample ID: GT-4 Composite, 26-35 ft. Target compaction: 103 pcf at the as-received moisture content.

Thu, 16-FEB-2006 13:20:12

GeoTesting express

a subsidiary of Geocomp Corporation

WARRANTY and LIABILITY

GeoTesting Express (GTX) warrants that all tests it performs are run in general accordance with the specified test procedures and accepted industry practice. GTX will correct or repeat any test that does not comply with this warranty. GTX has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

GTX may report engineering parameters that require us to interpret the test data. Such parameters are determined using accepted engineering procedures. However, GTX does not warrant that these parameters accurately reflect the true engineering properties of the *in situ* material. Responsibility for interpretation and use of the test data and these parameters for engineering and/or construction purposes rests solely with the user and not with GTX or any of its employees

GTX's liability will be limited to correcting or repeating a test which fails our warranty. GTX's liability for damages to the Purchaser of testing services for any cause whatsoever shall be limited to the amount GTX received for the testing services. GTX will not be liable for any damages, or for any lost benefits or other consequential damages resulting from the use of these test results, even if GTX has been advised of the possibility of such damages. GTX will not be responsible for any liability of the Purchaser to any third party.

Commonly Used Symbols

A	pore pressure parameter for $\Delta\sigma_1 - \Delta\sigma_3$
B	pore pressure parameter for $\Delta\sigma_3$
CIU	isotropically consolidated undrained triaxial shear test
CR	compression ratio for one dimensional consolidation
C_z	coefficient of curvature, $(D_{30})^2 / (D_{10} \times D_{60})$
C_u	coefficient of uniformity, D_{60}/D_{10}
C_c	compression index for one dimensional consolidation
C_α	coefficient of secondary compression
c_v	coefficient of consolidation
c	cohesion intercept for total stresses
c'	cohesion intercept for effective stresses
D	diameter of specimen
D_{10}	diameter at which 10% of soil is finer
D_{15}	diameter at which 15% of soil is finer
D_{30}	diameter at which 30% of soil is finer
D_{50}	diameter at which 50% of soil is finer
D_{60}	diameter at which 60% of soil is finer
D_{85}	diameter at which 85% of soil is finer
d_{50}	displacement for 50% consolidation
d_{90}	displacement for 90% consolidation
d_{100}	displacement for 100% consolidation
E	Young's modulus
e	void ratio
e_c	void ratio after consolidation
e_o	initial void ratio
G	shear modulus
G_s	specific gravity of soil particles
H	height of specimen
PI	plasticity index
i	gradient
K_o	lateral stress ratio for one dimensional strain
k	permeability
LI	Liquidity Index
m_v	coefficient of volume change
n	porosity
PI	plasticity index
P_c	preconsolidation pressure
p	$(\sigma_1 + \sigma_3) / 2$, $(\sigma_v + \sigma_h) / 2$
p'	$(\sigma'_1 + \sigma'_3) / 2$, $(\sigma'_v + \sigma'_h) / 2$
p'_c	p' at consolidation
Q	quantity of flow
q	$(\sigma_1 \ \sigma_3) / 2$
q_f	q at failure
q_o, q_i	initial q
q_c	q at consolidation
S	degree of saturation
SL	shrinkage limit
s_u	undrained shear strength
T	time factor for consolidation
T	temperature
t	time
U, UC	unconfined compression test
UU, Q	unconsolidated undrained triaxial test
u_a	pore gas pressure
u_e	excess pore water pressure
u, u_w	pore water pressure
V	total volume
V_g	volume of gas
V_s	volume of solids
V_v	volume of voids
V_w	volume of water
V_o	initial volume
v	velocity
W	total weight
W_s	weight of solids
W_w	weight of water
w	water content
w_c	water content at consolidation
w_f	final water content
w_l	liquid limit
w_n	natural water content
w_p	plastic limit
w_s	shrinkage limit
w_o, w_i	initial water content
α	slope of q_f versus p_f
α'	slope of q_f versus p_f'
γ_t	total unit weight
γ_d	dry unit weight
γ_s	unit weight of solids
γ_w	unit weight of water
ϵ	strain
ϵ_{vol}	volume strain
ϵ_h, ϵ_v	horizontal strain, vertical strain
μ	Poisson's ratio, also viscosity
σ	normal stress
σ'	effective normal stress
σ_c, σ'_c	consolidation stress in isotropic stress system
σ_h, σ'_h	horizontal normal stress
σ_v, σ'_v	vertical normal stress
σ_1	major principal stress
σ_2	intermediate principal stress
σ_3	minor principal stress
τ	shear stress
φ	friction angle based on total stresses
φ'	friction angle based on effective stresses
φ'_r	residual friction angle
φ_{ult}	φ for ultimate strength

Attachment 3

SEVERN TRENT STL®

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A05-E756

13059.001
IC1.04

STL Project#: NY3A9052EP
Site Name: NYSEG
Task: NYSEG Binghamton Disposal Samples

Mr. Kieth White
Blasland Bouk & Lee, Inc.
6723 Towpath Road, PO Box 66
Syracuse, NY 13214

STL Buffalo

Paul K. Morrow
Project Manager

01/12/2006

STL Buffalo
Current Certifications

As of 12/28/2005

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C254
West Virginia	CWA,RCRA	252
Wisconsin	CWA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A5E75601	SB-401 (8-12)	SOIL	12/28/2005	13:15	12/30/2005	09:00
A5E75602	SB-402 (10-14)	SOIL	12/28/2005	16:30	12/30/2005	09:00
A5E75603	SB-403 (10-14)	SOIL	12/29/2005	12:45	12/30/2005	09:00
A5E75604	TRIP BLANK	WATER	12/28/2005		12/30/2005	09:00

METHODS SUMMARY

Job#: A05-E756

STL Project#: NY3A9052EP
Site Name: NYSEG

PARAMETER	ANALYTICAL METHOD
METHOD 8260 TCLP-BENZENE	SW8463 8260
METHOD 8260 - BTEX	SW8463 8260
METHOD 8260 - BTEX VOLATILE ORGANICS	SW8463 8260
METHOD 8270-HSL PAH + Dibenzofuran	SW8463 8270
Toxicity Characteristic Leaching Procedure	SW8463 1311

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A05-E756

STL Project#: NY3A9052EP
Site Name: NYSEG

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-E756
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC/MS Semivolatile Data

All surrogate recoveries were diluted out of range in sample SB-402 (10-14).

The surrogate recovery for 2,4,6-Tribromophenol was below the laboratory quality control limits for sample SB-403 (10-14). Based on US EPA CLP National Functional Guidelines for Data Review, one surrogate in either fraction (base/neutral or acid fraction) may have a recovery outside of the control limit. All analytes associated with that surrogate should be considered biased low.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
SB-401 (8-12)	A5E75601	8260	10.00	007
SB-401 (8-12)	A5E75601	8270	4.00	012
SB-402 (10-14)	A5E75602	8260	10.00	007
SB-402 (10-14)	A5E75602	8270	100.00	008
SB-402 (10-14)	A5E75602DL	8260	100.00	008
SB-403 (10-14)	A5E75603	8260	10.00	007
SB-403 (10-14)	A5E75603	8270	20.00	008

Dilution Code Definition:

002 - sample matrix effects
003 excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

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DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
‡	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Client ID		SB-401 (8-12)		SB-402 (10-14)		SB-402 (10-14)		SB-403 (10-14)	
Job No	Lab ID	A05-E756	A5E75601	A05-E756	A5E75602	A05-E756	A5E75602DL	A05-E756	A5E75603
Sample Date		12/28/2005		12/28/2005		12/28/2005		12/29/2005	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
BENZENE	UG/L	ND	5.0	4200 E	5.0	4300 D	35	110	5.0
=IS/SURROGATE(S)=									
Chlorobenzene-D5	%	99	50-200	100	50-200	86	50-200	101	50-200
1,4-Difluorobenzene	%	98	50-200	100	50-200	90	50-200	101	50-200
1,4-Dichlorobenzene-D4	%	97	50-200	101	50-200	89	50-200	100	50-200
TOLUENE-D8 (SURROGATE)	%	95	76-122	94	76-122	100	76-122	94	76-122
p-Bromofluorobenzene	%	84	73-120	84	73-120	103	73-120	83	73-120
1,2-DICHLOROETHANE D-4	%	95	72-143	94	72-143	105	72-143	93	72-143

NA = Not Applicable ND = Not Detected

Date: 01/12/2006
Time: 15:16:00

NYSEG
NYSEG Binghamton Disposal Samples
METHOD 8260 - BTEX

Rept: AN0326

Client ID		SB-401 (8-12)		SB-402 (10-14)		SB-403 (10-14)		SB-403 (10-14)	
Job No	Lab ID	A05-E756	A5E75601	A05-E756	A5E75602	A05-E756	A5E75603	A05-E756	A5E75603DL
Sample Date		12/28/2005		12/28/2005		12/29/2005		12/29/2005	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
BENZENE	UG/KG	ND	6	220000	19000	3000 E	22	1900 D	730
ETHYLBENZENE	UG/KG	4 J	6	59000	19000	1200 E	22	580 DJ	730
TOLUENE	UG/KG	2 J	6	330000	19000	3900 E	22	1600 D	730
TOTAL XYLENES	UG/KG	26	18	330000	57000	3400 E	65	1500 DJ	2200
IS/SURROGATE(S)									
Chlorobenzene-D5	%	94	50-200	109	50-200	97	50-200	100	50-200
1,4-Difluorobenzene	%	87	50-200	114	50-200	104	50-200	97	50-200
1,4-Dichlorobenzene-D4	%	94	50-200	111	50-200	55	50-200	96	50-200
TOLUENE-D8 (SURROGATE)	%	85	71-125	90	71-125	52	71-125	95	71-125
p-Bromofluorobenzene	%	89	68-124	104	68-124	57	68-124	90	68-124
1,2-DICHLOROETHANE D-4	%	77	61-136	96	61-136	75	61-136	91	61-136

9/40

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 01/12/2006
Time: 15:16:07

NYSEG
NYSEG Binghamton Disposal Samples
METHOD 8270-HSL PAH + DIBENZOFURAN

Rept: AN0326

Client ID		SB-401 (8-12)		SB-402 (10-14)		SB-403 (10-14)			
Job No	Lab ID	A05-E756	A5E75601	A05-E756	A5E75602	A05-E756	A5E75603		
Sample Date		12/28/2005		12/28/2005		12/29/2005			
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
ACENAPHTHENE	UG/KG	ND	1500	130000 J	390000	ND	7400	NA	
ACENAPHTHYLENE	UG/KG	ND	1500	1100000	390000	2100 J	7400	NA	
ANTHRACENE	UG/KG	81 J	1500	720000	390000	1800 J	7400	NA	
BENZO(A)ANTHRACENE	UG/KG	260 J	1500	370000 J	390000	1200 J	7400	NA	
BENZO(B)FLUORANTHENE	UG/KG	450 J	1500	340000 J	390000	1400 J	7400	NA	
BENZO(K)FLUORANTHENE	UG/KG	470 J	1500	340000 J	390000	1400 J	7400	NA	
BENZO(GHI)PERYLENE	UG/KG	250 J	1500	180000 J	390000	680 J	7400	NA	
BENZO(A)PYRENE	UG/KG	320 J	1500	340000 J	390000	1200 J	7400	NA	
CHRYSENE	UG/KG	300 J	1500	300000 J	390000	1100 J	7400	NA	
DIBENZO(A,H)ANTHRACENE	UG/KG	ND	1500	46000 J	390000	ND	7400	NA	
FLUORANTHENE	UG/KG	620 J	1500	850000	390000	3100 J	7400	NA	
FLUORENE	UG/KG	ND	1500	750000	390000	1400 J	7400	NA	
INDENO(1,2,3-CD)PYRENE	UG/KG	200 J	1500	120000 J	390000	520 J	7400	NA	
2-METHYLNAPHTHALENE	UG/KG	ND	1500	2200000	390000	4200 J	7400	NA	
NAPHTHALENE	UG/KG	ND	1500	3700000	390000	8600	7400	NA	
PHENANTHRENE	UG/KG	260 J	1500	2400000	390000	5700 J	7400	NA	
PYRENE	UG/KG	480 J	1500	1100000	390000	3100 J	7400	NA	
DIBENZOFURAN	UG/KG	ND	1500	100000 J	390000	ND	7400	NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	90	50-200	93	50-200	100	50-200	NA	
Naphthalene-D8	%	91	50-200	94	50-200	104	50-200	NA	
Acenaphthene-D10	%	90	50-200	94	50-200	106	50-200	NA	
Phenanthrene-D10	%	95	50-200	98	50-200	111	50-200	NA	
Chrysene-D12	%	104	50-200	104	50-200	120	50-200	NA	
Perylene-D12	%	107	50-200	108	50-200	133	50-200	NA	
D-5 NITROBENZENE (SURROGATE)	%	69	41-120	0 D	41-120	63	41-120	NA	
2-FLUOROBIPHENYL (SURROGATE)	%	77	50-120	0 D	50-120	71	50-120	NA	
TERPHENYL (SURROGATE)	%	88	53-137	0 D	53-137	78	53-137	NA	
PHENOL-5 (SURROGATE)	%	85	41-120	0 D	41-120	74	41-120	NA	
2-FLUOROPHENOL (SURROGATE)	%	67	33-120	0 D	33-120	60	33-120	NA	
2,4,6-TRIBROMOPHENOL (SURROGAT	%	76	53-132	0 D	53-132	48 *	53-132	NA	

10/40

NA = Not Applicable ND - Not Detected

STL Buffalo

Chronology and QC Summary Package

Client ID	VBLK40		VBLK48		Z1517			
Job No Lab ID	A05-E756	A681185004	A05-E756	A681174304	A05-E756	A5E75607		
Sample Date								
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
BENZENE	UG/L	ND	5.0	ND	5.0	ND	5.0	NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	95	50-200	99	50-200	101	50-200	NA	
1,4-Difluorobenzene	%	100	50-200	99	50-200	101	50-200	NA	
1,4-Dichlorobenzene-D4	%	94	50-200	97	50-200	99	50-200	NA	
TOLUENE-D8 (SURROGATE)	%	101	76-122	94	76-122	95	76-122	NA	
p-Bromofluorobenzene	%	100	73-120	84	73-120	84	73-120	NA	
1,2-DICHLOROETHANE D-4	%	99	72-143	95	72-143	94	72-143	NA	

NA - Not Applicable ND - Not Detected

Client ID		VBLK90		VBLK91		vblk01/03/06		vblk01/04/06	
Job No	Lab ID	A05-E756	A6B1162404	A05-E756	A6B1169102	A05-E756	A5E75605	A05-E756	A5E75606
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
BENZENE	UG/KG	ND	5	ND	5	ND	600	ND	600
ETHYLBENZENE	UG/KG	ND	5	ND	5	ND	600	ND	600
TOLUENE	UG/KG	ND	5	ND	5	ND	600	ND	600
TOTAL XYLENES	UG/KG	ND	15	ND	15	ND	1800	ND	1800
IS/SURROGATE(S)									
Chlorobenzene-D5	%	72	50-200	84	50-200	92	50-200	93	50-200
1,4-Difluorobenzene	%	76	50-200	85	50-200	92	50-200	91	50-200
1,4-Dichlorobenzene-D4	%	57	50-200	75	50-200	94	50-200	95	50-200
TOLUENE-D8 (SURROGATE)	%	92	71-125	93	71-125	90	71-125	91	71-125
p-Bromofluorobenzene	%	76	68-124	91	68-124	106	68-124	110	68-124
1,2-DICHLOROETHANE D-4	%	85	61-136	86	61-136	97	61-136	99	61-136

Client ID		vblk26		vblk27		vblk45			
Job No	Lab ID	A05-E756	A6B1161904	A05-E756	A6B1169204	A05-E756	A6B1169402		
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
BENZENE	UG/KG	ND	62	ND	620	ND	620	NA	
ETHYLBENZENE	UG/KG	ND	62	ND	620	ND	620	NA	
TOLUENE	UG/KG	ND	62	ND	620	ND	620	NA	
TOTAL XYLENES	UG/KG	ND	190	ND	1900	ND	1900	NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	95	50-200	93	50-200	99	50-200	NA	
1,4-Difluorobenzene	%	95	50-200	93	50-200	99	50-200	NA	
1,4-Dichlorobenzene-D4	%	90	50-200	92	50-200	96	50-200	NA	
TOLUENE-D8 (SURROGATE)	%	89	71-125	88	71-125	97	71-125	NA	
p-Bromofluorobenzene	%	96	68-124	105	68-124	93	68-124	NA	
1,2-DICHLOROETHANE D-4	%	104	61-136	97	61-136	90	61-136	NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID		VBLK91							
Job No	Lab ID	A05-E756	A681169106						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
BENZENE	UG/L	ND	5	NA		NA		NA	
ETHYLBENZENE	UG/L	ND	5	NA		NA		NA	
TOLUENE	UG/L	ND	5	NA		NA		NA	
TOTAL XYLENES	UG/L	ND	15	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	84	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	85	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	75	50-200	NA		NA		NA	
TOLUENE-D8 (SURROGATE)	%	93	76-122	NA		NA		NA	
p-Bromofluorobenzene	%	91	73-120	NA		NA		NA	
1,2-DICHLOROETHANE D-4	%	86	72-143	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Date: 01/12/2006
Time: 15:16:19

NYSEG
NYSEG Binghamton Disposal Samples
METHOD 8260 TCLP-BENZENE

Rept: AN0326

Client ID Job No Sample Date	Lab ID	MSB40 A05-E756	A6B1185003	MSB48 A05-E756	A6B1174302				
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
BENZENE	UG/L	25	5.0	28	5.0	NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	100	50-200	100	50-200	NA		NA	
1,4-Difluorobenzene	%	101	50-200	99	50-200	NA		NA	
1,4-Dichlorobenzene-D4	%	100	50-200	99	50-200	NA		NA	
TOLUENE-D8 (SURROGATE)	%	100	76-122	94	76-122	NA		NA	
p-Bromofluorobenzene	%	100	73-120	86	73-120	NA		NA	
1,2-DICHLOROETHANE D-4	%	97	72-143	95	72-143	NA		NA	

15/40

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID		MSB90		MSE91		msb26		msb27	
Job No	Lab ID	A05-E756	A6B1162403	A05-E756	A6B1169101	A05-E756	A6B1161903	A05-E756	A6B1169203
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
BENZENE	UG/KG	53	5	48	5	350	62	3400	620
ETHYLBENZENE	UG/KG	ND	5	ND	5	ND	62	ND	620
TOLUENE	UG/KG	55	5	55	5	310	62	3500	620
TOTAL XYLENES	UG/KG	ND	15	ND	15	ND	190	ND	1900
IS/SURROGATE(S)									
Chlorobenzene-D5	%	80	50-200	94	50-200	104	50-200	98	50-200
1,4-Difluorobenzene	%	86	50-200	96	50-200	107	50-200	98	50-200
1,4-Dichlorobenzene-D4	%	63	50-200	86	50-200	99	50-200	99	50-200
TOLUENE-D8 (SURROGATE)	%	90	71-125	86	71-125	85	71-125	85	71-125
p-Bromofluorobenzene	%	76	68-124	85	68-124	92	68-124	100	68-124
1,2-DICHLOROETHANE D-4	%	81	61-136	74	61-136	94	61-136	92	61-136

Client ID		msb45							
Job No	Lab ID	A05-E756	A6B1169401						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
BENZENE	UG/KG	3300	620	NA		NA		NA	
ETHYLBENZENE	UG/KG	ND	620	NA		NA		NA	
TOLUENE	UG/KG	3300	620	NA		NA		NA	
TOTAL XYLENES	UG/KG	ND	1900	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	97	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	97	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	97	50-200	NA		NA		NA	
TOLUENE-D8 (SURROGATE)	%	98	71-125	NA		NA		NA	
p-Bromofluorobenzene	%	94	68-124	NA		NA		NA	
1,2-DICHLOROETHANE D-4	%	91	61-136	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 01/12/2006
Time: 15:16:19

NYSEG
NYSEG Binghamton Disposal Samples
METHOD 8260 - BTEX VOLATILE ORGANICS

Rept: ANO326

Client ID		MSB91							
Job No	Lab ID	A05-E756	#681169105						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
BENZENE	UG/L	48	5	NA		NA		NA	
ETHYLBENZENE	UG/L	ND	5	NA		NA		NA	
TOLUENE	UG/L	53	5	NA		NA		NA	
TOTAL XYLENES	UG/L	ND	15	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	94	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	96	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	86	50-200	NA		NA		NA	
TOLUENE-D8 (SURROGATE)	%	86	76-122	NA		NA		NA	
p-Bromofluorobenzene	%	85	73-120	NA		NA		NA	
1,2-DICHLORDETHANE D-4	%	74	72-143	NA		NA		NA	

17/40

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID		S BLANK							
Job No	Lab ID	A05-E756	A6B1152602						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
ACENAPHTHENE	UG/KG	ND	320	NA		NA		NA	
ACENAPHTHYLENE	UG/KG	ND	320	NA		NA		NA	
ANTHRACENE	UG/KG	ND	320	NA		NA		NA	
BENZO(A)ANTHRACENE	UG/KG	ND	320	NA		NA		NA	
BENZO(B)FLUORANTHENE	UG/KG	ND	320	NA		NA		NA	
BENZO(K)FLUORANTHENE	UG/KG	ND	320	NA		NA		NA	
BENZO(GHI)PERYLENE	UG/KG	ND	320	NA		NA		NA	
BENZO(A)PYRENE	UG/KG	ND	320	NA		NA		NA	
CHRYSENE	UG/KG	ND	320	NA		NA		NA	
DIBENZO(A,H)ANTHRACENE	UG/KG	ND	320	NA		NA		NA	
FLUORANTHENE	UG/KG	ND	320	NA		NA		NA	
FLUORENE	UG/KG	ND	320	NA		NA		NA	
INDENO(1,2,3-CD)PYRENE	UG/KG	ND	320	NA		NA		NA	
2-METHYLNAPHTHALENE	UG/KG	ND	320	NA		NA		NA	
NAPHTHALENE	UG/KG	ND	320	NA		NA		NA	
PHENANTHRENE	UG/KG	ND	320	NA		NA		NA	
PYRENE	UG/KG	ND	320	NA		NA		NA	
DIBENZOFURAN	UG/KG	ND	320	NA		NA		NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	100	50-200	NA		NA		NA	
Naphthalene-D8	%	100	50-200	NA		NA		NA	
Acenaphthene-D10	%	98	50-200	NA		NA		NA	
Phenanthrene-D10	%	98	50-200	NA		NA		NA	
Chrysene-D12	%	102	50-200	NA		NA		NA	
Perylene-D12	%	93	50-200	NA		NA		NA	
D-5 NITROBENZENE (SURROGATE)	%	72	41-120	NA		NA		NA	
2-FLUOROBIPHENYL (SURROGATE)	%	74	50-120	NA		NA		NA	
TERPHENYL (SURROGATE)	%	89	53-137	NA		NA		NA	
PHENOL-5 (SURROGATE)	%	80	41-120	NA		NA		NA	
2-FLUOROPHENOL (SURROGATE)	%	67	33-120	NA		NA		NA	
2,4,6-TRIBROMOPHENOL (SURROGAT	%	88	53-132	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 03/12/2006
Time: 15:16:19

NYSEG
NYSEG Binghamton Disposal Samples
METHOD 8260 - BTEX VOLATILE ORGANICS

Rept: AND326

Client ID		TRIP BLANK							
Job No	Lab ID	A05-E756	A5E75604						
Sample Date		12/28/2005							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
BENZENE	UG/L	ND	5	NA		NA		NA	
ETHYLBENZENE	UG/L	ND	5	NA		NA		NA	
TOLUENE	UG/L	ND	5	NA		NA		NA	
TOTAL XYLENES	UG/L	ND	15	NA		NA		NA	
=IS/SURROGATE(S)=									
Chlorobenzene-D5	%	88	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	87	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	77	50-200	NA		NA		NA	
TOLUENE-D8 (SURROGATE)	%	86	76-122	NA		NA		NA	
p-Bromofluorobenzene	%	81	73-120	NA		NA		NA	
1,2-DICHLOROETHANE D-4	%	78	72-143	NA		NA		NA	

18/40

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID		Matrix Spike Blank		Matrix Spike Blk Dup					
Job No	Lab ID	A05-E756	A681152601	A05-E756	A681152603				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
ACENAPHTHENE	UG/KG	2700	320	2800	330	NA		NA	
ACENAPHTHYLENE	UG/KG	ND	320	24 J	330	NA		NA	
ANTHRACENE	UG/KG	ND	320	ND	330	NA		NA	
BENZO(A)ANTHRACENE	UG/KG	ND	320	ND	330	NA		NA	
BENZO(B)FLUORANTHENE	UG/KG	ND	320	ND	330	NA		NA	
BENZO(K)FLUORANTHENE	UG/KG	ND	320	ND	330	NA		NA	
BENZO(GHI)PERYLENE	UG/KG	ND	320	ND	330	NA		NA	
BENZO(A)PYRENE	UG/KG	ND	320	ND	330	NA		NA	
CHRYSENE	UG/KG	ND	320	ND	330	NA		NA	
DIBENZO(A,H)ANTHRACENE	UG/KG	ND	320	ND	330	NA		NA	
FLUORANTHENE	UG/KG	ND	320	ND	330	NA		NA	
FLUORENE	UG/KG	ND	320	ND	330	NA		NA	
INDENO(1,2,3-CD)PYRENE	UG/KG	ND	320	ND	330	NA		NA	
2-METHYLNAPHTHALENE	UG/KG	ND	320	130 J	330	NA		NA	
NAPHTHALENE	UG/KG	ND	320	340	330	NA		NA	
PHENANTHRENE	UG/KG	ND	320	ND	330	NA		NA	
PYRENE	UG/KG	2800	320	2900	330	NA		NA	
DIBENZOFURAN	UG/KG	ND	320	ND	330	NA		NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	102	50-200	110	50-200	NA		NA	
Naphthalene-D8	%	105	50-200	112	50-200	NA		NA	
Acenaphthene-D10	%	104	50-200	108	50-200	NA		NA	
Phenanthrene-D10	%	106	50-200	112	50-200	NA		NA	
Chrysene-D12	%	109	50-200	114	50-200	NA		NA	
Perylene-D12	%	98	50-200	110	50-200	NA		NA	
D-5 NITROBENZENE (SURROGATE)	%	69	41-120	72	41-120	NA		NA	
2-FLUOROBIPHENYL (SURROGATE)	%	70	50-120	74	50-120	NA		NA	
TERPHENYL (SURROGATE)	%	89	53-137	89	53-137	NA		NA	
PHENOL-5 (SURROGATE)	%	77	41-120	80	41-120	NA		NA	
2-FLUOROPHENOL (SURROGATE)	%	64	33-120	67	33-120	NA		NA	
2,4,6-TRIBROMOPHENOL (SURROGATE)	%	85	53-132	88	53-132	NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK40 MSB40
Lab Sample ID: A6B1185004 A6B1185003

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 TCLP-BENZENE BENZENE	UG/L	25.0	25.0	100	77-123

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: VBLK48 MSB48
Lab Sample ID: A6B1174304 A6B1174302

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 TCLP-BENZENE BENZENE	UG/L	28.3	25.0	113	77-123

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: VBLK90 MSB90
Lab Sample ID: A681162404 A681162403

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - BTEX					
BENZENE	UG/KG	53.4	50.0	107	74-128
TOLUENE	UG/KG	54.7	50.0	109	74-123

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: VBLK91 MSB91
Lab Sample ID: A6B1169102 A6B1169101

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - BTEX					
BENZENE	UG/KG	48.3	50.0	97	74-128
TOLUENE	UG/KG	53.1	50.0	106	74-123

* Indicates Result is outside QC Limits
NC - Not Calculated ND - Not Detected

Client Sample ID: VBLK91 MSB91
Lab Sample ID: A6B1169106 A6B1169105

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 826C - BTEX VOLATILE ORGANICS					
BENZENE	UG/L	48.3	50.0	97	67-126
TOLUENE	UG/L	53.1	50.0	106	69-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: vblk26 msb26
Lab Sample ID: A6B1161904 A6B1161903

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - BTEX					
BENZENE	UG/KG	351	312	113	74-128
TOLUENE	UG/KG	314	312	100	74-123

* Indicates Result is outside QC Limits
NC - Not Calculated ND = Not Detected

Client Sample ID: vblk27 msb27
Lab Sample ID: A6B1169204 A6B1169203

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - BTEX					
BENZENE	UG/KG	3400	3125	109	74-128
TOLUENE	UG/KG	3081	3125	99	74-123

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: vblk45 msb45
Lab Sample ID: A6B1169402 A6B116940

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - BTEX					
BENZENE	UG/KG	3277	3125	105	74-128
TOLUENE	UG/KG	3262	3125	104	74-123

28/40

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: S BLANK
Lab Sample ID: A6B1152602

Matrix Spike Blank
A6B1152601

Matrix Spike Blk Dup
A6B1152603

Analyte	Units of Measure	Concentration		Spike Amount		% Recovery			%	QC LIMITS	
		Spike Blank	Spike Blank Dup	SB	SBD	SB	SBD	Avg	RPD	RPD	REC.
METHOD 8270-HSL PAH + DIBENZOFURAN											
ACENAPHTHENE	UG/KG	2671	2777	3277	3315	82	84	83	2	16.0	57-120
PYRENE	UG/KG	2808	2861	3277	3315	86	86	86	0	25.0	56-155

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 8260 TCLP-BENZENE

Client Sample ID Job No & Lab Sample ID	SB-401 (8-12) A05-E756 A5E75601	SB-402 (10-14) A05-E756 A5E75602	SB-402 (10-14) A05-E756 A5E75602DL	SB-403 (10-14) A05-E756 A5E75603	SB-403 (10-14) A05-E756 A5E75603DL
Sample Date	12/28/2005 13:15	12/28/2005 16:30	12/28/2005 16:30	12/29/2005 12:45	
Received Date	12/30/2005 09:00	12/30/2005 09:00	12/30/2005 09:00	12/30/2005 09:00	
TCLP Date/Time	01/04/2006	01/04/2006	01/04/2006	01/04/2006	
Extraction Date					
Analysis Date	01/06/2006 04:16	01/06/2006 04:38	01/07/2006 15:11	01/06/2006 05:01	
TCLP Extraction HT Met?	YES	YES	YES	YES	
Extraction HT Met?	-	-	-	-	NA
Analytical HT Met?	YES	YES	YES	YES	
Sample Matrix	SOIL LOW	SOIL LOW	SOIL LOW	SOIL LOW	
Dilution Factor	10.0	10.0	100.0	10.0	
Sample wt/vol	0.005 LITERS	0.005 LITERS	0.005 LITERS	0.005 LITERS	
% Dry					

METHOD 8260 - BTEX

Client Sample ID Job No & Lab Sample ID	SB-401 (8-12) A05-E756 A5E75601	SB-402 (10-14) A05-E756 A5E75602	SB-402 (10-14) A05-E756 A5E75602DL	SB-403 (10-14) A05-E756 A5E75603	SB-403 (10-14) A05-E756 A5E75603DL
Sample Date	12/28/2005 13:15	12/28/2005 16:30		12/29/2005 12:45	12/29/2005 12:45
Received Date	12/30/2005 09:00	12/30/2005 09:00		12/30/2005 09:00	12/30/2005 09:00
Extraction Date					
Analysis Date	01/04/2006 13:36	01/04/2006 09:03		01/05/2006 21:04	01/04/2006 19:27
Extraction HT Met?	-	-	NA	-	-
Analytical HT Met?	YES	YES		YES	YES
Sample Matrix	SOIL LOW	SOIL MED		SOIL LOW	SOIL MED
Dilution Factor	1.0	25.0		1.0	1.0
Sample wt/vol	5.06 GRAMS	4.04 GRAMS		1.4 GRAMS	4.14 GRAMS
% Dry	81.95	81.44		82.54	82.54

NA = Not Applicable

METHOD 8260 - BTEX VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	TRIP BLANK #05-8756 A5E75604			
Sample Date	12/28/2005			
Received Date	12/30/2005 09:00			
Extraction Date				
Analysis Date	01/04/2006 13:01			
Extraction HT Met?	-			
Analytical HT Met?	YES			
Sample Matrix	WATER			
Dilution Factor	1.0			
Sample wt/vol	0.005 LITERS			
% Dry				

NA = Not Applicable

METHOD 8260 TCLP-BENZENE

Client Sample ID Job No & Lab Sample ID	MSB40 A05-E756 A6B1185003	MSB48 A05-E756 A6B1174302	MSB90 A05-E756 A6B1162403	MSB91 A05-E756 A6B1169101	MSB91 A05-E756 A6B1169105
Sample Date					
Received Date					
TCLP Date/Time	-	-			
Extraction Date					
Analysis Date	01/07/2006 09:45	01/05/2006 20:34			
TCLP Extraction HT Met?	-	-			
Extraction HT Met?	-	-	NA	NA	NA
Analytical HT Met?	-	-			
Sample Matrix	SOIL LOW	SOIL LOW			
Dilution Factor	1.0	1.0			
Sample wt/vol	0.005 LITERS	0.005 LITERS			
% Dry					

METHOD 8260 - BTEX

Client Sample ID Job No & Lab Sample ID	MSB40 A05-E756 A6B1185003	MSB48 A05-E756 A6B1174302	MSB90 A05-E756 A6B1162403	MSB91 A05-E756 A6B1169101	MSB91 A05-E756 A6B1169105
Sample Date					
Received Date					
Extraction Date					
Analysis Date			01/03/2006 15:09	01/04/2006 11:50	
Extraction HT Met?	NA	NA	-	-	NA
Analytical HT Met?			-	-	
Sample Matrix			SOIL LOW	SOIL LOW	
Dilution Factor			1.0	1.0	
Sample wt/vol			5.0 GRAMS	5.0 GRAMS	
% Dry			100.00	100.00	

METHOD 8260 - BTEX VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	MSB40 A05-E756 A6B1185003	MSB48 A05-E756 A6B1174302	MSB90 A05-E756 A6B1162403	MSB91 A05-E756 A6B1169101	MSB91 A05-E756 A6B1169105
Sample Date					
Received Date					
Extraction Date					
Analysis Date					01/04/2006 11:50
Extraction HT Met?	NA	NA	NA	NA	-
Analytical HT Met?					-
Sample Matrix					WATER
Dilution Factor					1.0
Sample wt/vol					0.005 LITERS
% Dry					

NA = Not Applicable

METHOD 8260 - BTEX

Client Sample ID Job No & Lab Sample ID	msb26 A05-E756 A6B1161903	msb27 A05-E756 A6B1169203	msb45 A05-E756 A6B1169401		
Sample Date					
Received Date					
Extraction Date					
Analysis Date	01/03/2006 22:49	01/04/2006 11:15	01/04/2006 11:13		
Extraction HT Met?	-	-	-		
Analytical HT Met?	-	-	-		
Sample Matrix	SOIL LOW	SOIL MED	SOIL MED		
Dilution Factor	1.0	1.0	1.0		
Sample wt/vol	4.0 GRAMS	4.0 GRAMS	4.0 GRAMS		
% Dry	100.00	100.00	100.00		

NA = Not Applicable

METHOD 8260 TCLP-BENZENE

Client Sample ID Job No & Lab Sample ID	VBLK40 A05-E756 A6B1185004	VBLK48 A05-E756 A6B1174304	VBLK90 A05-E756 A6B1162404	VBLK91 A05-E756 A6B1169102	VBLK91 A05-E756 A6B1169106
Sample Date					
Received Date					
TCLP Date/Time	-	-			
Extraction Date					
Analysis Date	01/07/2006 10:15	01/05/2006 21:28			
TCLP Extraction HT Met?	-	-			
Extraction HT Met?	-	-	NA	NA	NA
Analytical HT Met?	-	-			
Sample Matrix	SOIL LOW	SOIL LOW			
Dilution Factor	1.0	1.0			
Sample wt/vol	0.005 LITERS	0.005 LITERS			
% Dry					

METHOD 8260 - BTEX

Client Sample ID Job No & Lab Sample ID	VBLK40 A05-E756 A6B1185004	VBLK48 A05-E756 A6B1174304	VBLK90 A05-E756 A6B1162404	VBLK91 A05-E756 A6B1169102	VBLK91 A05-E756 A6B1169106
Sample Date					
Received Date					
Extraction Date					
Analysis Date			01/03/2006 15:44	01/04/2006 12:25	
Extraction HT Met?	NA	NA	-	-	NA
Analytical HT Met?			-	-	
Sample Matrix			SOIL LOW	SOIL LOW	
Dilution Factor			1.0	1.0	
Sample wt/vol			5.0 GRAMS	5.0 GRAMS	
% Dry			100.00	100.00	

METHOD 8260 - BTEX VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBLK40 A05-E756 A6B1185004	VBLK48 A05-E756 A6B1174304	VBLK90 A05-E756 A6B1162404	VBLK91 A05-E756 A6B1169102	VBLK91 A05-E756 A6B1169106
Sample Date					
Received Date					
Extraction Date					
Analysis Date					01/04/2006 12:25
Extraction HT Met?	NA	NA	NA	NA	-
Analytical HT Met?					-
Sample Matrix					WATER
Dilution Factor					1.0
Sample wt/vol					0.005 LITERS
% Dry					

NA = Not Applicable

METHOD 8260 TCLP-BENZENE

Client Sample ID Job No & Lab Sample ID	Z1517 A05-E756 A5E75607	eblk01/03/06 A05-E756 A5E75605	eblk01/04/06 A05-E756 A5E75606	vblk26 A05-E756 A6B1161904	vblk27 A05-E756 A6B1169204
Sample Date					
Received Date					
TCLP Date/Time	-				
Extraction Date					
Analysis Date	01/06/2006 03:53				
TCLP Extraction HT Met?	-				
Extraction HT Met?	-	NA	NA	NA	NA
Analytical HT Met?	-				
Sample Matrix	SOIL LOW				
Dilution Factor	10.0				
Sample wt/vol	0.005 LITERS				
% Dry					

METHOD 8260 - BTEX

Client Sample ID Job No & Lab Sample ID	Z1517 A05-E756 A5E75607	eblk01/03/06 A05-E756 A5E75605	eblk01/04/06 A05-E756 A5E75606	vblk26 A05-E756 A6B1161904	vblk27 A05-E756 A6B1169204
Sample Date					
Received Date					
Extraction Date		01/04/2006 12:29	01/04/2006 12:53	01/03/2006 23:13	01/04/2006 11:40
Analysis Date		-	-	-	-
Extraction HT Met?	NA	-	-	-	-
Analytical HT Met?					
Sample Matrix		SOIL MED	SOIL MED	SOIL LOW	SOIL MED
Dilution Factor		1.0	1.0	1.0	1.0
Sample wt/vol		4.2 GRAMS	4.19 GRAMS	4.0 GRAMS	4.0 GRAMS
% Dry		100.00	100.00	100.00	100.00

NA = Not Applicable

METHOD 8260 - BTEX

Client Sample ID Job No & Lab Sample ID	Vblk45 A05-8756 A6E1169402				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	01/04/2006 11:32				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	SOIL MED				
Dilution Factor	1.0				
Sample wt/vol	4.0 GRAMS				
% Dry	100.00				

NA = Not Applicable

METHOD 8270-HSL PAH + DIBENZOFURAN

Client Sample ID Job No & Lab Sample ID	SB-401 (8-12) A05-E756 A5E75601	SB-402 (10-14) A05-E756 A5E75602	SB-403 (10-14) A05-E756 A5E75603	
Sample Date	12/28/2005 13:15	12/28/2005 16:30	12/29/2005 12:45	
Received Date	12/30/2005 09:00	12/30/2005 09:00	12/30/2005 09:00	
Extraction Date	01/03/2006 07:00	01/03/2006 07:00	01/03/2006 07:00	
Analysis Date	01/04/2006 17:20	01/04/2006 17:46	01/04/2006 18:11	
Extraction HT Met?	YES	YES	YES	
Analytical HT Met?	YES	YES	YES	
Sample Matrix	SOIL LOW	SOIL LOW	SOIL LOW	
Dilution Factor	4.0	100.0	20.0	
Sample wt/vol	30.19 GRAMS	30.97 GRAMS	30.66 GRAMS	
% Dry	85.58	81.64	86.68	

37/40

NA = Not Applicable

STL Buffalo

METHOD 8270-HSL PAH + DIBENZOFURAN

Client Sample ID Job No & Lab Sample ID	Matrix Spike Blank A05-E756 A6B1152601	Matrix Spike Blk Dup A05-E756 A6B1152603
Sample Date		
Received Date		
Extraction Date	01/03/2006 07:00	01/03/2006 07:00
Analysis Date	01/04/2006 15:39	01/04/2006 16:04
Extraction HT Met?	-	-
Analytical HT Met?	-	-
Sample Matrix	SOIL LOW	SOIL LOW
Dilution Factor	1.0	1.0
Sample wt/vol	30.51 GRAMS	30.16 GRAMS
% Dry	100.00	100.00

NA = Not Applicable

METHOD 8270-HSL PAH + DIBENZOFURAN

Client Sample ID Job No & Lab Sample ID	S BLANK A05-6756 A6B1152602			
Sample Date				
Received Date				
Extraction Date	01/03/2006 07:00			
Analysis Date	01/04/2006 16:29			
Extraction HT Met?	-			
Analytical HT Met?	-			
Sample Matrix	SOIL LOW			
Dilution Factor	1.0			
Sample wt/vol	30.85 GRAMS			
% Dry	100.00			

NA = Not Applicable

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: BBL	Project Manager: KEITH WHITE	Date: 12/29/05	Chain of Custody Number: 213866
Address: 6723 TOWPATH RD	Telephone Number (Area Code)/Fax Number: 315 446-9120 / 315 446-8053	Lab Number:	Page 1 of 1
City: SYRACUSE	State: NY	Zip Code: 13214	Site Contact: JASON SCOTT	Lab Contact:
Project Name and Location (State): ENERGY EAST COURT STREET	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample ID No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	$ZnAc/NaOH$	$4^\circ C$	Analysis: TCLP Benzene	BTEX - 8260	TCL/PAH - 8270	VOC - Hemp	Special Instructions/ Conditions of Receipt
TRIP BLANK	12/24/05	—		X									X				X	TB was Provided by Lab
SB-401 (8-12)	12/28/05	1315				X							X	X	X	X		
SB-402 (10-14)	12/28/05	1630				X							X	X	X	X		
SB-403 (10-14)	12/24/05	1245				X							X	X	X	X		

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Jason C. Scott	12/29/05	1500	1. Received By: Tim J	12/29/05	0900
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report. CANARY - Stays with the Sample. PINK - Field Copy

40/40

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A06-0499

STL Project#: NY1A9052EP
Site Name: NYSEG
Task: NYSEG Binghamton Court Street Aqueous Sample

Mr. Kieth White
Blasland Bouk & Lee, Inc.
6723 Towpath Road, PO Box 66
Syracuse, NY 13214

STL Buffalo

Paul K. Morrow
Project Manager

01/26/2006

STL Buffalo
Current Certifications

As of 12/28/2005

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C254
West Virginia	CWA,RCRA	252
Wisconsin	CWA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A6049902	WC-2	WATER	01/12/2006	14:00	01/13/2006	08:50

METHODS SUMMARY

Job#: A06-0499

STL Project#: NY3A9052EP
Site Name: NYSEG

PARAMETER	ANALYTICAL METHOD
METHOD 602 - PURGEABLE AROMATICS - BTEX	CFR136 602
METHOD 8082 - TOTAL POLYCHLORINATED BIPHENYLS	SW8463 8082
Flashpoint	SW8463 1010
pH	MCAWW 150.1

CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A06-0499

STL Project#: NY3A9052EP
Site Name: NYSEG

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-0499
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Extractable Data

For method 8082, the recovery of surrogate Decachlorobiphenyl in sample WC-2 is outside of established quality control limits due to the sample matrix. The recovery of surrogate Tetrachloro-m-xylene is within quality control limits; no corrective action is required.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
WC-2	A6049902	602	10.00	004

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: wc-2
Lab Sample ID: A6049902
Date Collected: 01/12/2006
Time Collected: 14:00

Date Received: 01/13/2006
Project No: NY3A9052EP
Client No: L11252
Site No: NYSEG

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analys
AQUEOUS-CFR136 602 - BTEX'S							
BENZENE	40		0.23	UG/L	602	01/16/2006 14:22	TCH
ETHYLBENZENE	5.5		0.29	UG/L	602	01/16/2006 14:22	TCH
M-XYLENE	20	1	2.6	UG/L	602	01/16/2006 14:22	TCH
O-XYLENE	ND		1.1	UG/L	602	01/16/2006 14:22	TCH
P-XYLENE	ND	1	2.6	UG/L	602	01/16/2006 14:22	TCH
TOLUENE	47		0.56	UG/L	602	01/16/2006 14:22	TCH
AQUEOUS-SW8463 8082 - PCBS - TOTAL							
Total Polychlorinated Biphenyls (8082)	ND		0.50	UG/L	8082	01/17/2006 14:52	GFD
Wet Chemistry Analysis							
Flashpoint	>200		0	°F	1010	01/14/2006 08:00	SM
PH-FIELD	9.65		0.500	S.U.	150.1	01/13/2006 18:30	SM

Batch Quality Control Data

Date: 01/23/2006 14:00:47
Batch No: A6B12227

MS/MSD Batch QC Results

Rept: AN1392

Lab Sample ID: A6045802 A6045802MS A6045802SD

Analyte	Units of Measure	Concentration Sample	Matrix Spike	Spike Duplicate	Spike Amount MS	Spike Amount MSD	% Recovery MS	% Recovery MSD	% Recovery Avg	% RPD	QC LIMITS RPD	QC LIMITS REC.
METHOD 8081 - APPENDIX II - PESTICIDES												
Aldrin	UG/L	0	0.628	0.650	0.877	0.877	72	74	73	3	30.0	28-125
alpha-BHC	UG/L	0	0.656	0.682	0.877	0.877	75	78	77	4	30.0	37-134
beta-BHC	UG/L	0	0.773	0.808	0.877	0.877	88	92	90	4	30.0	44-135
delta-BHC	UG/L	0	0.747	0.780	0.877	0.877	85	89	87	4	30.0	41-131
gamma-BHC (Lindane)	UG/L	0	0.692	0.721	0.877	0.877	79	82	81	4	30.0	32-127
4,4'-DDD	UG/L	0	0.789	0.822	0.877	0.877	90	94	92	4	30.0	49-142
4,4'-DDE	UG/L	0	0.756	0.791	0.877	0.877	86	90	88	4	30.0	34-142
4,4'-DDT	UG/L	0	0.784	0.821	0.877	0.877	89	94	92	5	30.0	50-141
Dieldrin	UG/L	0	0.726	0.759	0.877	0.877	83	86	85	4	30.0	46-136
Endosulfan I	UG/L	0	0.715	0.747	0.877	0.877	82	85	84	4	30.0	30-135
Endosulfan II	UG/L	0	0.766	0.801	0.877	0.877	87	91	89	4	30.0	41-136
Endosulfan Sulfate	UG/L	0	0.875	0.910	0.877	0.877	100	104	102	4	30.0	47-143
Endrin aldehyde	UG/L	0	0.708	0.745	0.877	0.877	81	85	83	5	30.0	43-130
Endrin	UG/L	0	0.763	0.798	0.877	0.877	87	91	89	4	30.0	30-147
Heptachlor	UG/L	0	0.703	0.735	0.877	0.877	80	84	82	5	30.0	37-125
Heptachlor epoxide	UG/L	0	0.740	0.771	0.877	0.877	84	88	86	5	30.0	49-134
Methoxychlor	UG/L	0	0.942	0.989	0.877	0.877	107	113	110	5	30.0	38-153

10/23

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Date: 01/23/2006 14:00:47
Batch No: A6B12227

MS/MSD Batch QC Results

Rept: AN1392

Lab Sample ID: A6049902 A6049902MS A6049902SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
METHOD 8082 - TOTAL POLYCHLORINATED BIPH Total Polychlorinated Biphenyls (8082)	UG/L	0	13.5	12.4	20.0	20.0	68	62	65	9	35.0	50-150

11/23

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Chronology and QC Summary Package

Date: 01/26/2006
Time: 16:29:29

NYSEG
NYSEG Binghamton Court Street Aqueous Sample
METHOD 602 - PURGEABLE AROMATICS - BTEX

Rept: AN1247

Client ID		VBLK012							
Job No	Lab ID	A06-0499	A6B1223001						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
BENZENE	UG/L	ND	0.20	NA		NA		NA	
ETHYLBENZENE	UG/L	ND	0.20	NA		NA		NA	
TOLUENE	UG/L	ND	0.20	NA		NA		NA	
M-XYLENE	UG/L	ND	0.40	NA		NA		NA	
O-XYLENE	UG/L	ND	0.20	NA		NA		NA	
P-XYLENE	UG/L	ND	0.40	NA		NA		NA	
SURROGATE(S)									
a,a,a-trifluorotoluene	%	105	66-131	NA		NA		NA	

13/23

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID		Method Blank							
Job No	Lab ID	A06-0499	A6B1222702						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Polychlorinated Biphenyl	UG/L	ND	0.50	NA		NA		NA	
SURROGATE(S)									
Tetrachloro-m-xylene	%	80	36-132	NA		NA		NA	
Decachlorobiphenyl	%	70	28-132	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK012 MSB MSBD
Lab Sample ID: A6B1223001 A6B1223002 A6B1223003

Analyte	Units of Measure	Concentration		Spike Amount		% Recovery			% RPD	QC LIMITS	
		Spike Blank	Spike Blank Dup	SB	SBD	SB	SBD	Avg		RPD	REC.
METHOD 602 - PURGEABLE AROMATICS - BTEX											
BENZENE	UG/L	4.33	4.24	4.00	4.00	108	106	107	2	30.0	39-150
TOLUENE	UG/L	4.22	4.12	4.00	4.00	106	103	105	3	30.0	46-148
ETHYLBENZENE	UG/L	4.29	4.19	4.00	4.00	107	105	106	2	30.0	32-160
M-XYLENE	UG/L	8.57	8.38	8.00	8.00	107	105	106	2	30.0	32-160
O-XYLENE	UG/L	4.25	4.17	4.00	4.00	106	104	105	2	30.0	32-160

* Indicates Result is outside QC Limits
NC - Not Calculated ND = Not Detected

Client Sample ID: WC-2 WC-2 WC-2
Lab Sample ID: A6049902 A6049902MS A6049902SD

Analyte	Units of Measure	Concentration Sample	Matrix Spike	Spike Duplicate	Spike Amount MS	MSD	% Recovery MS	NSD	Avg	% RPD	QC LIMITS RPD	REC.
METHOD 8082 - TOTAL POLYCHLORINATED BIPH												
Total Polychlorinated Biphenyls (8082)	UG/L	0	13.5	12.4	20.0	20.0	68	62	65	9	35.0	50-150

16/23

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank
Lab Sample ID: A6B1222702

Matrix Spike Blank
A6B1222701

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8082 - TOTAL POLYCHLORINATED BIPH					
Total Polychlorinated Biphenyls (8082)	UG/L	8.81	10.0	88	50-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 602 - PURGEABLE AROMATICS - BTEX

Client Sample ID Job No & Lab Sample ID	WC-2 A06-0499 A6049902				
Sample Date	01/12/2006 14:00				
Received Date	01/13/2006 08:50				
Extraction Date					
Analysis Date	01/16/2006 14:22				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	10.0				
Sample wt/vol	0.005 LITERS				
% Dry					

18/23

NA = Not Applicable

METHOD 602 - PURGEABLE AROMATICS - BTEX

Client Sample ID Job No & Lab Sample ID	VBLKD12 AD6-0499 AA81223001				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	01/16/2006 12:25				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

19/23

NA = Not Applicable

METHOD 8082 - TOTAL POLYCHLORINATED BIPHENYLS

Client Sample ID Job No & Lab Sample ID	WC-2 A06-0499 A6049902				
Sample Date	01/12/2006 14:00				
Received Date	01/13/2006 08:50				
Extraction Date	01/16/2006 15:00				
Analysis Date	01/17/2006 14:52				
Extraction HT Met?	YES				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	1.0 LITERS				
% Dry					

NA = Not Applicable

METHOD 8082 - TOTAL POLYCHLORINATED BIPHENYLS

Client Sample ID Job No & Lab Sample ID	Method Blank A06-0499 #681222702				
Sample Date					
Received Date					
Extraction Date	01/16/2006 15:00				
Analysis Date	01/17/2006 13:14				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	1.0 LITERS				
% Dry					

NA = Not Applicable

NEW YORK STATE ELECTRIC & GAS
NYSEG BINGHAMTON COURT STREET AQUEOUS SAMPLE
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6049902	MC-2	RECNY	PH-FIELD	150.1	1.0		01/12/06 14:00	01/13 08:50	NA		01/13 18:30	SN	Y	WATER
		RECNY	Flashpoint	1010	1.0		01/12/06 14:00	01/13 08:50	NA		01/14 08:00	SN	Y	WATER

22/23

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

[redacted]

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL 4124 (0901)

Client: BBL	Project Manager: Keith White	Date: 1/12/06	Chain of Custody Number: 242510
Address: 6723 Towpath Rd	Telephone Number (Area Code)/Fax Number: (315) 671-9570 / (315) 446-8053	Lab Number:	Page 1 of 1
City: Syracuse · State: NY · Zip Code: 13214	Site Contact: Jason Scouts · Lab Contact: Paul Morrow	Analysis (Attach list if more space is needed)	
Project Name and Location (State): Energy East Court Street Binghamton, NY	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 13046.009			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TCL VOC 8260	[illegible]	TCL SVOC 8270	PCB 8082	Total Solids [illegible]	Flashpoint 1010	pH 9045	PCB 8082	BTEX 602	pH 150.1	Flashpoint 1010	Special Instructions/ Conditions of Receipt
WC-1	1/12/06	1200				X	X						X	X	X	X	X	X	X					
WC-2	1/12/06	1400		X			X			X										X	X	X	X	

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

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

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature] / Jason C. Scouts	1/12/06	1700	1. Received By: [signature] STL Buffalo	1/13/06	0850
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

7 °C

23/23

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STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
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ANALYTICAL REPORT

Job#: A06-0543

STL Project#: NY3A9052EP
Site Name: NYSEG
Task: NYSEG Binghamton Court Street

Mr. Kieth White
Blasland Bouk & Lee, Inc.
6723 Towpath Road, PO Box 66
Syracuse, NY 13214

STL Buffalo

Paul K. Morrow
Project Manager

01/31/2006

STL Buffalo
Current Certifications

As of 12/28/2005

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C254
West Virginia	CWA,RCRA	252
Wisconsin	CWA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A6054301	WC-1	SOIL	01/12/2006	12:00	01/13/2006	08:50

METHODS SUMMARY

Job#: A06-0543

STL Project#: NY3A9052EP
Site Name: NYSEG

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS	SW8463 8270
METHOD 8082 - POLYCHLORINATED BIPHENYLS	SW8463 8082
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Lead - Total	SW8463 6010
Mercury - Total	SW8463 7471
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Flashpoint	SW8463 1010
Leachable pH	SW8463 9045
Total Solids (103 C)	SM18 2540G

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A06-0543

STL Project#: NY3A9052EP
Site Name: NYSEG

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-0543
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

The analyte brommethane was detected in the Method Blank at a level above the project established reporting limit. All samples were non-detect for this analyte, therefore, no corrective action was necessary.

The analyte Methyl acetate was detected in the Method Blank (A6B1235804) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

GC/MS Semivolatile Data

The analyte Bis(2-ethylhexyl) phthalate was detected in the Method Blank A6B1223702 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
WC-1	A6054301	8270	10.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an internal standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

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DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Arodor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: WC-1
Lab Sample ID: A6054301
Date Collected: 01/12/2006
Time Collected: 12:00

Date Received: 01/13/2006
Project No: NY3A9052HP
Client No: L11252
Site No: NYSEG

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analys
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-TRICHLOROETHANE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
1,1,2,2-TETRACHLOROETHANE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
1,1,2-TRICHLOROETHANE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
1,1-DICHLOROETHANE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
1,1-DICHLOROETHYLENE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
1,2,4-TRICHLOROBENZENE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
1,2-DIBROMO-3-CHLORO-PROPANE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
1,2-DIBROMOETHANE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
1,2-DICHLOROBENZENE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
1,2-DICHLOROETHANE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
1,2-DICHLOROPROPANE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
1,3-DICHLOROBENZENE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
1,4-DICHLOROBENZENE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
2-HEXANONE	ND		34	UG/KG	8260	01/17/2006 19:51	JLG
4-METHYL-2-PENTANONE	ND		34	UG/KG	8260	01/17/2006 19:51	JLG
ACETONE	42		34	UG/KG	8260	01/17/2006 19:51	JLG
BENZENE	1000	E	7	UG/KG	8260	01/17/2006 19:51	JLG
BROMOFORM	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
CARBON DISULFIDE	6	J	7	UG/KG	8260	01/17/2006 19:51	JLG
CARBON TETRACHLORIDE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
CHLOROBENZENE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
CHLORODIBROMOMETHANE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
CHLOROETHANE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
CHLOROFORM	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
CHLOROMETHANE	6	J	7	UG/KG	8260	01/17/2006 19:51	JLG
CIS-1,2-DICHLOROETHENE	6	J	7	UG/KG	8260	01/17/2006 19:51	JLG
CIS-1,3-DICHLOROPROPENE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
Cyclohexane	110		7	UG/KG	8260	01/17/2006 19:51	JLG
DICHLOROBROMOMETHANE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
DICHLORODIFLUOROMETHANE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
ETHYLBENZENE	840	E	7	UG/KG	8260	01/17/2006 19:51	JLG
ISO-PROPYLBENZENE	100		7	UG/KG	8260	01/17/2006 19:51	JLG
Methyl acetate	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
METHYL ETHYL KETONE	ND		34	UG/KG	8260	01/17/2006 19:51	JLG
Methyl-t-Butyl Ether (MTBE)	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
METHYLBROMIDE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
Methylcyclohexane	210		7	UG/KG	8260	01/17/2006 19:51	JLG
METHYLENE CHLORIDE	8		7	UG/KG	8260	01/17/2006 19:51	JLG
STYRENE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
TETRACHLOROETHENE	120		7	UG/KG	8260	01/17/2006 19:51	JLG
TOLUENE	39		7	UG/KG	8260	01/17/2006 19:51	JLG
TOTAL XYLENES	2600	E	20	UG/KG	8260	01/17/2006 19:51	JLG
TRANS-1,2-DICHLOROETHENE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
TRANS-1,3-DICHLOROPROPENE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
TRICHLOROETHENE	8		7	UG/KG	8260	01/17/2006 19:51	JLG
TRICHLOROFLUOROMETHANE	ND		7	UG/KG	8260	01/17/2006 19:51	JLG
VINYL CHLORIDE	2	J	14	UG/KG	8260	01/17/2006 19:51	JLG

Sample ID: WC-1
Lab Sample ID: A6054301
Date Collected: 01/12/2006
Time Collected: 12:00

Date Received: 01/13/2006
Project No: NY3A9052EP
Client No: L11252
Site No: NYSEG

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analys
SOIL-SW8463 8270 - TCL SVOA ORGANICS PLU PYRI							
1,2,4-TRICHLOROBENZENE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
1,2-DICHLOROBENZENE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
1,3-DICHLOROBENZENE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
1,4-DICHLOROBENZENE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
2,4,5-TRICHLOROPHENOL	ND		11000	UG/KG	8270	01/18/2006 23:37	MRF
2,4,6-TRICHLOROPHENOL	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
2,4-DICHLOROPHENOL	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
2,4-DIMETHYLPHENOL	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
2,4-DINITROPHENOL	ND		22000	UG/KG	8270	01/18/2006 23:37	MRF
2,4-DINITROTOLUENE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
2,6-DINITROTOLUENE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
2-CHLORONAPHTHALENE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
2-CHLOROPHENOL	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
2-METHYLNAPHTHALENE	54000		4500	UG/KG	8270	01/18/2006 23:37	MRF
2-METHYLPHENOL	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
2-NITROANILINE	ND		22000	UG/KG	8270	01/18/2006 23:37	MRF
2-NITROPHENOL	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
3,3'-DICHLOROBENZIDINE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
3-NITROANILINE	ND		22000	UG/KG	8270	01/18/2006 23:37	MRF
4,6-DINITRO-O-CRESOL	ND		22000	UG/KG	8270	01/18/2006 23:37	MRF
4-BROMOPHENYL PHENYL ETHER	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
4-CHLORO-3-METHYLPHENOL	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
4-CHLOROANILINE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
4-CHLOROPHENYL PHENYL ETHER	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
4-METHYLPHENOL	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
4-NITROANILINE	ND		22000	UG/KG	8270	01/18/2006 23:37	MRF
4-NITROPHENOL	ND		22000	UG/KG	8270	01/18/2006 23:37	MRF
ACENAPHTHENE	14000		4500	UG/KG	8270	01/18/2006 23:37	MRF
ACENAPHTHYLENE	3700	J	4500	UG/KG	8270	01/18/2006 23:37	MRF
ANTHRACENE	11000		4500	UG/KG	8270	01/18/2006 23:37	MRF
BENZO(A)ANTHRACENE	6600		4500	UG/KG	8270	01/18/2006 23:37	MRF
BENZO(A)PYRENE	4100	J	4500	UG/KG	8270	01/18/2006 23:37	MRF
BENZO(B)FLUORANTHENE	3100	J	4500	UG/KG	8270	01/18/2006 23:37	MRF
BENZO(GHI)PERYLENE	1800	J	4500	UG/KG	8270	01/18/2006 23:37	MRF
BENZO(K)FLUORANTHENE	1100	J	4500	UG/KG	8270	01/18/2006 23:37	MRF
BENZOIC ACID	ND		66000	UG/KG	8270	01/18/2006 23:37	MRF
BENZYL ALCOHOL	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
BIS(2-CHLOROETHOXY)METHANE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
BIS(2-CHLOROETHYL)ETHER	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
BIS(2-CHLOROISOPROPYL)ETHER	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
BIS(2-ETHYLHEXYL)PHTHALATE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
BUTYL BENZYL PHTHALATE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
CHRYSENE	5600		4500	UG/KG	8270	01/18/2006 23:37	MRF
DI-N-BUTYL PHTHALATE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
DI-N-OCTYL PHTHALATE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
DIBENZO(A,H)ANTHRACENE	570	J	4500	UG/KG	8270	01/18/2006 23:37	MRF
DIBENZOFURAN	2600	J	4500	UG/KG	8270	01/18/2006 23:37	MRF
DIETHYLPHTHALATE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
DIMETHYLPHTHALATE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF

Sample ID: WC-1
Lab Sample ID: A6054301
Date Collected: 01/12/2006
Time Collected: 12:00

Date Received: 01/13/2006
Project No: NY3A9052EP
Client No: L11252
Site No: NYSEG

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analys
SOIL-SW8463 8270 - TCL SVOA ORGANICS PLU PYRI							
FLUORANTHENE	13000		4500	UG/KG	8270	01/18/2006 23:37	MRF
FLUORENE	21000		4500	UG/KG	8270	01/18/2006 23:37	MRF
HEXACHLORO-1,3-BUTADIENE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
HEXACHLOROBENZENE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
HEXACHLOROCYCLOPENTADIENE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
HEXACHLOROETHANE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
INDENO(1,2,3-CD)PYRENE	1400	J	4500	UG/KG	8270	01/18/2006 23:37	MRF
ISOPHORONE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
N-NITROSODI-N-PROPYLAMINE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
N-NITROSODIPHENYLAMINE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
NAPHTHALENE	60000		4500	UG/KG	8270	01/18/2006 23:37	MRF
NITROBENZENE	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
PENTACHLOROPHENOL	ND		22000	UG/KG	8270	01/18/2006 23:37	MRF
PHENANTHRENE	64000		4500	UG/KG	8270	01/18/2006 23:37	MRF
PHENOL	ND		4500	UG/KG	8270	01/18/2006 23:37	MRF
PYRENE	20000		4500	UG/KG	8270	01/18/2006 23:37	MRF
PYRIDINE	ND		11000	UG/KG	8270	01/18/2006 23:37	MRF
Total Cresols	ND		9000	UG/KG	8270	01/18/2006 23:37	MRF
SOIL-SW8463 8082 - PCBS							
PCB-1016	ND		23	UG/KG	8082	01/18/2006 20:52	LD
PCB-1221	ND		23	UG/KG	8082	01/18/2006 20:52	LD
PCB-1232	ND		23	UG/KG	8082	01/18/2006 20:52	LD
PCB-1242	ND		23	UG/KG	8082	01/18/2006 20:52	LD
PCB-1248	ND		23	UG/KG	8082	01/18/2006 20:52	LD
PCB-1254	ND		23	UG/KG	8082	01/18/2006 20:52	LD
PCB-1260	ND		23	UG/KG	8082	01/18/2006 20:52	LD
Metals Analysis							
ARSENIC, TOTAL	4.4		2.6	MG/KG	6010	01/19/2006 03:09	TWS
BARIUM, TOTAL	47.6		0.64	MG/KG	6010	01/19/2006 03:09	TWS
CADMIUM, TOTAL	ND		0.26	MG/KG	6010	01/19/2006 03:09	TWS
CHROMIUM, TOTAL	12.2		0.64	MG/KG	6010	01/19/2006 03:09	TWS
LEAD, TOTAL	27.8		1.3	MG/KG	6010	01/19/2006 03:09	TWS
MERCURY, TOTAL	0.042		0.030	MG/KG	7471	01/17/2006 15:37	LS
SELENIUM, TOTAL	ND		5.2	MG/KG	6010	01/19/2006 03:09	TWS
SILVER, TOTAL	ND		0.64	MG/KG	6010	01/19/2006 03:09	TWS
Wet Chemistry Analysis							
Flashpoint	>200		0	°F	1010	01/17/2006 13:50	KEG
pH-WATER EXTRACT	11.0		0	S.U.	9045	01/18/2006 13:23	ERK
Total Solids (103 C)	72.0		0.020	%	25406	01/17/2006 09:25	KD

Sample ID: WC-1
Lab Sample ID: A60543010L
Date Collected: 01/12/2006
Time Collected: 12:00

Date Received: 01/13/2006
Project No: NY3A9052EP
Client No: L11252
Site No: NYSEG

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-TRICHLOROETHANE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
1,1,2,2-TETRACHLOROETHANE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
1,1,2-TRICHLOROETHANE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
1,1-DICHLOROETHANE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
1,1-DICHLOROETHYLENE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
1,2,4-TRICHLOROBENZENE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
1,2-DIBROMO-3-CHLORO-PROPANE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
1,2-DIBROMOETHANE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
1,2-DICHLOROBENZENE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
1,2-DICHLOROETHANE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
1,2-DICHLOROPROPANE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
1,3-DICHLOROBENZENE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
1,4-DICHLOROBENZENE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
2-HEXANONE	ND		4300	UG/KG	8260	01/26/2006 23:47	MG
4-METHYL-2-PENTANONE	ND		4300	UG/KG	8260	01/26/2006 23:47	MG
ACETONE	ND		4300	UG/KG	8260	01/26/2006 23:47	MG
BENZENE	2000	D	860	UG/KG	8260	01/26/2006 23:47	MG
BROMOFORM	ND		860	UG/KG	8260	01/26/2006 23:47	MG
CARBON DISULFIDE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
CARBON TETRACHLORIDE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
CHLOROBENZENE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
CHLORODIBROMOMETHANE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
CHLOROETHANE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
CHLOROFORM	ND		860	UG/KG	8260	01/26/2006 23:47	MG
CHLOROMETHANE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
CIS-1,2-DICHLOROETHENE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
CIS-1,3-DICHLOROPROPENE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
Cyclohexane	ND		860	UG/KG	8260	01/26/2006 23:47	MG
DICHLOROBROMOMETHANE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
DICHLORODIFLUOROMETHANE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
ETHYLBENZENE	6200	D	860	UG/KG	8260	01/26/2006 23:47	MG
ISO-PROPYLBENZENE	500	DJ	860	UG/KG	8260	01/26/2006 23:47	MG
Methyl acetate	ND		860	UG/KG	8260	01/26/2006 23:47	MG
METHYL ETHYL KETONE	ND		4300	UG/KG	8260	01/26/2006 23:47	MG
Methyl-t-Butyl Ether (MTBE)	ND		860	UG/KG	8260	01/26/2006 23:47	MG
METHYLBROMIDE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
Methylcyclohexane	1900	D	860	UG/KG	8260	01/26/2006 23:47	MG
METHYLENE CHLORIDE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
STYRENE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
TETRACHLOROETHENE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
TOLUENE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
TOTAL XYLENES	12000	D	2600	UG/KG	8260	01/26/2006 23:47	MG
TRANS-1,2-DICHLOROETHENE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
TRANS-1,3-DICHLOROPROPENE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
TRICHLOROETHENE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
TRICHLOROFLUOROMETHANE	ND		860	UG/KG	8260	01/26/2006 23:47	MG
VINYL CHLORIDE	ND		1700	UG/KG	8260	01/26/2006 23:47	MG

Chronology and QC Summary Package

Client ID		EBLK 012606		VBLK02		VBLK59			
Job No	Lab ID	A06-0543	A6054302	A06-0543	A6A1235804	A06-0543	A6A1287002		
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
ACETONE	UG/KG	ND	2500	ND	25	ND	3100	NA	
BENZENE	UG/KG	ND	500	ND	5	ND	620	NA	
DICHLOROBROMOMETHANE	UG/KG	ND	500	ND	5	ND	620	NA	
BROMOFORM	UG/KG	ND	500	ND	5	ND	620	NA	
METHYLBROMIDE	UG/KG	ND	500	5	5	ND	620	NA	
METHYL ETHYL KETONE	UG/KG	ND	2500	ND	25	ND	3100	NA	
CARBON DISULFIDE	UG/KG	ND	500	ND	5	ND	620	NA	
CARBON TETRACHLORIDE	UG/KG	ND	500	ND	5	ND	620	NA	
CHLOROBENZENE	UG/KG	ND	500	ND	5	ND	620	NA	
CHLOROETHANE	UG/KG	ND	500	ND	5	ND	620	NA	
CHLOROFORM	UG/KG	ND	500	ND	5	ND	620	NA	
CHLOROMETHANE	UG/KG	ND	500	ND	5	ND	620	NA	
Cyclohexane	UG/KG	ND	500	ND	5	ND	620	NA	
1,2-DIBROMOETHANE	UG/KG	ND	500	ND	5	ND	620	NA	
CHLORODIBROMOMETHANE	UG/KG	ND	500	ND	5	ND	620	NA	
1,2-DIBROMO-3-CHLORO-PROPANE	UG/KG	ND	500	ND	5	ND	620	NA	
1,2-DICHLOROBENZENE	UG/KG	ND	500	ND	5	ND	620	NA	
1,3-DICHLOROBENZENE	UG/KG	ND	500	ND	5	ND	620	NA	
1,4-DICHLOROBENZENE	UG/KG	ND	500	ND	5	ND	620	NA	
DICHLORODIFLUOROMETHANE	UG/KG	ND	500	ND	5	ND	620	NA	
1,1-DICHLOROETHANE	UG/KG	ND	500	ND	5	ND	620	NA	
1,2-DICHLOROETHANE	UG/KG	ND	500	ND	5	ND	620	NA	
1,1-DICHLOROETHYLENE	UG/KG	ND	500	ND	5	ND	620	NA	
CIS-1,2-DICHLOROETHENE	UG/KG	ND	500	ND	5	ND	620	NA	
TRANS-1,2-DICHLOROETHENE	UG/KG	ND	500	ND	5	ND	620	NA	
1,2-DICHLOROPROPANE	UG/KG	ND	500	ND	5	ND	620	NA	
CIS-1,3-DICHLOROPROPENE	UG/KG	ND	500	ND	5	ND	620	NA	
TRANS-1,3-DICHLOROPROPENE	UG/KG	ND	500	ND	5	ND	620	NA	
ETHYLBENZENE	UG/KG	ND	500	ND	5	ND	620	NA	
2-HEXANONE	UG/KG	ND	2500	ND	25	ND	3100	NA	
ISO-PROPYLBENZENE	UG/KG	ND	500	ND	5	ND	620	NA	
Methyl acetate	UG/KG	ND	500	2 J	5	ND	620	NA	
Methylcyclohexane	UG/KG	ND	500	ND	5	ND	620	NA	
METHYLENE CHLORIDE	UG/KG	ND	500	ND	5	ND	620	NA	
4-METHYL-2-PENTANONE	UG/KG	ND	2500	ND	25	ND	3100	NA	
Methyl-t-Butyl Ether (MTBE)	UG/KG	ND	500	ND	5	ND	620	NA	
STYRENE	UG/KG	ND	500	ND	5	ND	620	NA	
1,1,2,2-TETRACHLOROETHANE	UG/KG	ND	500	ND	5	ND	620	NA	
TETRACHLOROETHENE	UG/KG	ND	500	ND	5	ND	620	NA	
TOLUENE	UG/KG	ND	500	ND	5	ND	620	NA	
1,2,4-TRICHLOROBENZENE	UG/KG	ND	500	ND	5	ND	620	NA	
1,1,1-TRICHLOROETHANE	UG/KG	ND	500	ND	5	ND	620	NA	
1,1,2-TRICHLOROETHANE	UG/KG	ND	500	ND	5	ND	620	NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID		SBLK 012606		VBLK02		VBLK59			
Job No	Lab ID	A06-0543	A6054302	A06-0543	A6B1235804	A06-0543	A6B1287002		
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-TRICHLORO-1,2,2-TRIFLUOR	UG/KG	ND	500	ND	5	ND	620	NA	
TRICHLOROFLUOROMETHANE	UG/KG	ND	500	ND	5	ND	620	NA	
TRICHLOROETHENE	UG/KG	ND	500	ND	5	ND	620	NA	
VINYL CHLORIDE	UG/KG	ND	1000	ND	10	ND	1200	NA	
TOTAL XYLENES	UG/KG	ND	1500	ND	15	ND	1900	NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	95	50-200	77	50-200	94	50-200	NA	
1,4-Difluorobenzene	%	91	50-200	80	50-200	93	50-200	NA	
1,4-Dichlorobenzene-D4	%	92	50-200	62	50-200	88	50-200	NA	
TOLUENE-D8 (SURROGATE)	%	102	71-125	106	71-125	104	71-125	NA	
p-Bromofluorobenzene	%	98	68-124	89	68-124	96	68-124	NA	
1,2-DICHLOROETHANE D-4	%	97	61-136	115	61-136	100	61-136	NA	

NA = Not Applicable ND = Not Detected

Client ID	S Blank							
Job No / Lab ID	A06-0543	A6B1223702						
Sample Date								

Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
ACENAPHTHENE	UG/KG	ND	330	NA		NA		NA	
ACENAPHTHYLENE	UG/KG	ND	330	NA		NA		NA	
ANTHRACENE	UG/KG	ND	330	NA		NA		NA	
BENZO(A)ANTHRACENE	UG/KG	ND	330	NA		NA		NA	
BENZO(B)FLUORANTHENE	UG/KG	ND	330	NA		NA		NA	
BENZO(K)FLUORANTHENE	UG/KG	ND	330	NA		NA		NA	
BENZO(GHI)PERYLENE	UG/KG	ND	330	NA		NA		NA	
BENZO(A)PYRENE	UG/KG	ND	330	NA		NA		NA	
BENZOIC ACID	UG/KG	ND	4800	NA		NA		NA	
BENZYL ALCOHOL	UG/KG	ND	330	NA		NA		NA	
BIS(2-CHLOROETHOXY)METHANE	UG/KG	ND	330	NA		NA		NA	
BIS(2-CHLOROETHYL)ETHER	UG/KG	ND	330	NA		NA		NA	
BIS(2-CHLOROISOPROPYL)ETHER	UG/KG	ND	330	NA		NA		NA	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	37 J	330	NA		NA		NA	
4-BROMOPHENYL PHENYL ETHER	UG/KG	ND	330	NA		NA		NA	
BUTYL BENZYL PHTHALATE	UG/KG	ND	330	NA		NA		NA	
4-CHLOROANILINE	UG/KG	ND	330	NA		NA		NA	
4-CHLORO-3-METHYLPHENOL	UG/KG	ND	330	NA		NA		NA	
2-CHLORONAPHTHALENE	UG/KG	ND	330	NA		NA		NA	
2-CHLOROPHENOL	UG/KG	ND	330	NA		NA		NA	
4-CHLOROPHENYL PHENYL ETHER	UG/KG	ND	330	NA		NA		NA	
CHRYSENE	UG/KG	ND	330	NA		NA		NA	
DIBENZO(A,H)ANTHRACENE	UG/KG	ND	330	NA		NA		NA	
DIBENZOFURAN	UG/KG	ND	330	NA		NA		NA	
DI-N-BUTYL PHTHALATE	UG/KG	ND	330	NA		NA		NA	
1,2-DICHLOROBENZENE	UG/KG	ND	330	NA		NA		NA	
1,3-DICHLOROBENZENE	UG/KG	ND	330	NA		NA		NA	
1,4-DICHLOROBENZENE	UG/KG	ND	330	NA		NA		NA	
3,3'-DICHLOROBENZIDINE	UG/KG	ND	330	NA		NA		NA	
2,4-DICHLOROPHENOL	UG/KG	ND	330	NA		NA		NA	
DIETHYLPHTHALATE	UG/KG	ND	330	NA		NA		NA	
2,4-DIMETHYLPHENOL	UG/KG	ND	330	NA		NA		NA	
DIMETHYLPHTHALATE	UG/KG	ND	330	NA		NA		NA	
4,6-DINITRO-O-CRESOL	UG/KG	ND	1600	NA		NA		NA	
2,4-DINITROPHENOL	UG/KG	ND	1600	NA		NA		NA	
2,4-DINITROTOLUENE	UG/KG	ND	330	NA		NA		NA	
2,6-DINITROTOLUENE	UG/KG	ND	330	NA		NA		NA	
DI-N-OCTYL PHTHALATE	UG/KG	ND	330	NA		NA		NA	
FLUORANTHENE	UG/KG	ND	330	NA		NA		NA	
FLUORENE	UG/KG	ND	330	NA		NA		NA	
HEXACHLOROBENZENE	UG/KG	ND	330	NA		NA		NA	
HEXACHLORO-1,3-BUTADIENE	UG/KG	ND	330	NA		NA		NA	
HEXACHLOROCYCLOPENTADIENE	UG/KG	ND	330	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 01/31/2006
Time: 09:42:04

NYSEG
NYSEG Binghamton Court Street
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

Rept: AN1247

Client ID	S Blank							
Job No	AD6-0543	Lab ID	A6B1223702					
Sample Date								

Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
HEXACHLOROETHANE	UG/KG	ND	330	NA		NA		NA	
INDENO(1,2,3-CD)PYRENE	UG/KG	ND	330	NA		NA		NA	
ISOPHORONE	UG/KG	ND	330	NA		NA		NA	
2-METHYLNAPHTHALENE	UG/KG	ND	330	NA		NA		NA	
2-METHYLPHENOL	UG/KG	ND	330	NA		NA		NA	
4-METHYLPHENOL	UG/KG	ND	330	NA		NA		NA	
NAPHTHALENE	UG/KG	ND	330	NA		NA		NA	
2-NITROANILINE	UG/KG	ND	1600	NA		NA		NA	
3-NITROANILINE	UG/KG	ND	1600	NA		NA		NA	
4-NITROANILINE	UG/KG	ND	1600	NA		NA		NA	
NITROBENZENE	UG/KG	ND	330	NA		NA		NA	
2-NITROPHENOL	UG/KG	ND	330	NA		NA		NA	
4-NITROPHENOL	UG/KG	ND	1600	NA		NA		NA	
N-NITROSODIPHENYLAMINE	UG/KG	ND	330	NA		NA		NA	
N-NITROSODI-N-PROPYLAMINE	UG/KG	ND	330	NA		NA		NA	
PENTACHLOROPHENOL	UG/KG	ND	1600	NA		NA		NA	
PHENANTHRENE	UG/KG	ND	330	NA		NA		NA	
PHENOL	UG/KG	ND	330	NA		NA		NA	
PYRENE	UG/KG	ND	330	NA		NA		NA	
1,2,4-TRICHLOROBENZENE	UG/KG	ND	330	NA		NA		NA	
2,4,5-TRICHLOROPHENOL	UG/KG	ND	800	NA		NA		NA	
2,4,6-TRICHLOROPHENOL	UG/KG	ND	330	NA		NA		NA	
Total Cresols	UG/KG	ND	660	NA		NA		NA	
PYRIDINE	UG/KG	ND	800	NA		NA		NA	
==========IS/SURROGATE(S)==========									
1,4-Dichlorobenzene-D4	%	104	50-200	NA		NA		NA	
Naphthalene-D8	%	105	50-200	NA		NA		NA	
Acenaphthene-D10	%	100	50-200	NA		NA		NA	
Phenanthrene-D10	%	102	50-200	NA		NA		NA	
Chrysene-D12	%	99	50-200	NA		NA		NA	
Perylene-D12	%	108	50-200	NA		NA		NA	
D-5 NITROBENZENE (SURROGATE)	%	76	41-120	NA		NA		NA	
2-FLUOROBIPHENYL (SURROGATE)	%	82	50-120	NA		NA		NA	
TERPHENYL (SURROGATE)	%	110	53-137	NA		NA		NA	
PHENOL-5 (SURROGATE)	%	77	41-120	NA		NA		NA	
2-FLUOROPHENOL (SURROGATE)	%	70	33-120	NA		NA		NA	
2,4,6-TRIBROMOPHENOL (SURROGAT	%	102	53-132	NA		NA		NA	

17/35

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID		Method Blank							
Job No	Lab ID	A06-0543	A6B1223602						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
PCB-1016	UG/KG	ND	17	NA		NA		NA	
PCB-1221	UG/KG	ND	17	NA		NA		NA	
PCB-1232	UG/KG	ND	17	NA		NA		NA	
PCB-1242	UG/KG	ND	17	NA		NA		NA	
PCB-1248	UG/KG	ND	17	NA		NA		NA	
PCB-1254	UG/KG	ND	17	NA		NA		NA	
PCB-1260	UG/KG	ND	17	NA		NA		NA	
SURROGATE(S)									
Tetrachloro-m-xylene	%	80	32-148	NA		NA		NA	
Decachlorobiphenyl	%	98	36-153	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Date: 01/31/2006
Time: 09:42:12

NYSEG
NYSEG Binghamton Court Street
TOTAL RCRA METALS (8)

Rept: AN1247

Client ID Job No Sample Date	Lab ID	Method Blank A06-0543	A681225502	Method Blank A06-0543	A681226102				
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
SELENIUM, TOTAL	MG/KG	NA		ND	4.0	NA		NA	
ARSENIC, TOTAL	MG/KG	NA		ND	2.0	NA		NA	
BARIUM, TOTAL	MG/KG	NA		ND	0.50	NA		NA	
CADMIUM, TOTAL	MG/KG	NA		ND	0.20	NA		NA	
CHROMIUM, TOTAL	MG/KG	NA		ND	0.50	NA		NA	
LEAD, TOTAL	MG/KG	NA		ND	1.0	NA		NA	
MERCURY, TOTAL	MG/KG	ND	0.020	NA		NA		NA	
SILVER, TOTAL	MG/KG	NA		ND	0.50	NA		NA	

19/35

NA = Not Applicable ND = Not Detected

STL Buffalo

Client Sample ID: VBLK02 MSB02
Lab Sample ID: A6B1235804 A6B1235805

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC Limits
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-DICHLORDETHYLENE	UG/KG	58.1	50.0	116	65-146
TRICHLOROETHENE	UG/KG	50.9	50.0	102	74-127
BENZENE	UG/KG	52.3	50.0	105	74-128
TOLUENE	UG/KG	46.4	50.0	93	74-123
CHLOROBENZENE	UG/KG	46.4	50.0	93	76-124

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: VBLK59 ASB59
Lab Sample ID: A6B1287002 A6B1287001

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-DICHLOROETHYLENE	UG/KG	3275	3125	105	65-146
TRICHLOROETHENE	UG/KG	3044	3125	97	74-127
BENZENE	UG/KG	2999	3125	96	74-128
TOLUENE	UG/KG	2978	3125	95	74-123
CHLOROBENZENE	UG/KG	2891	3125	92	76-124

* Indicates Result is outsice QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: S Blank Matrix Spike Blank
Lab Sample ID: A6B1223702 A6B1223701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS					
PHENOL	UG/KG	1925	3265	59	35-120
2-CHLOROPHENOL	UG/KG	1932	3265	59	34-118
1,4-DICHLOROBENZENE	UG/KG	1763	3265	54	30-120
N-NITROSODI-N-PROPYLAMINE	UG/KG	2363	3265	72	52-120
1,2,4-TRICHLOROBENZENE	UG/KG	1921	3265	59	42-120
4-CHLORO-3-METHYLPHENOL	UG/KG	2562	3265	78	45-135
ACENAPHTHENE	UG/KG	2455	3265	75	57-120
4-NITROPHENOL	UG/KG	2885	3245	88	42-137
2,4-DINITROTOLUENE	UG/KG	2812	3265	86	51-126
PENTACHLOROPHENOL	UG/KG	3306	3265	101	37-143
PYRENE	UG/KG	3088	3265	94	56-155

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank Matrix Spike Blank
Lab Sample ID: A6B1223602 A6B1223601

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8082 - POLYCHLORINATED BIPHENYLS					
PCB-1260	UG/KG	189	162	116	41-139
PCB-1016	UG/KG	160	162	98	39-131

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B1225502 A6B1225501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
TOTAL RCRA METALS (8)					
TOTAL MERCURY	MG/KG	2.50	2.80	90	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS CLP Soils
Lab Sample ID: A6B1226102 A6B1226101

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
TOTAL ASRM METALS (8)					
TOTAL ARSENIC	MG/KG	75.12	80.90	93	80-120
TOTAL BARIUM	MG/KG	151.9	156.0	97	80-120
TOTAL CADMIUM	MG/KG	215.6	233.0	92	80-120
TOTAL CHROMIUM	MG/KG	54.45	60.80	89	80-120
TOTAL LEAD	MG/KG	73.60	76.80	96	80-120
TOTAL SELENIUM	MG/KG	80.10	82.90	97	80-120
TOTAL SILVER	MG/KG	79.88	80.00	100	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	WC-1 A06-0543 A60543D1	WC-1 A06-0543 A60543D1DL			
Sample Date	01/12/2006 12:00	01/12/2006 12:00			
Received Date	01/13/2006 08:50	01/13/2006 08:50			
Extraction Date					
Analysis Date	01/17/2006 19:51	01/26/2006 23:47			
Extraction HT Met?	-	-			
Analytical HT Met?	YES	YES			
Sample Matrix	SOIL LOW	SOIL MED			
Dilution Factor	1.0	1.0			
Sample wt/vol	5.09 GRAMS	4.05 GRAMS			
% Dry	72.08	72.08			

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	EBLK 012606 A06-0543 A6054302	VBLK02 A06-0543 A6B1235804	VBLK59 A06-0543 A6B1287002		
Sample Date					
Received Date					
Extraction Date					
Analysis Date	01/27/2006 00:11	01/17/2006 15:13	01/26/2006 17:58		
Extraction HT Met?	-	-	-		
Analytical HT Met?	-	-	-		
Sample Matrix	SOIL MED	SOIL LOW	SOIL MED		
Dilution Factor	1.0	1.0	1.0		
Sample wt/vol	5.0 GRAMS	5.0 GRAMS	4.0 GRAMS		
% Dry	100.00	100.00	100.00		

NA = Not Applicable

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	WC-1 A06-0543 A6054301				
Sample Date	01/12/2006 12:00				
Received Date	01/13/2006 08:50				
Extraction Date	01/17/2006 07:00				
Analysis Date	01/18/2006 23:37				
Extraction HT Met?	YES				
Analytical HT Met?	YES				
Sample Matrix	SOIL LOW				
Dilution Factor	10.0				
Sample wt/vol	30.48 GRAMS				
% Dry	72.08				

28/35

NA = Not Applicable

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	S Blank A06-0543 A6N1223702				
Sample Date					
Received Date					
Extraction Date	01/17/2006 07:00				
Analysis Date	01/18/2006 21:05				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	30.17 GRAMS				
% Dry	100.00				

NA = Not Applicable

METHOD 8082 - POLYCHLORINATED BIPHENYLS

Client Sample ID Job No & Lab Sample ID	WC-1 A06-0543 ASC54301			
Sample Date	01/12/2006 12:00			
Received Date	01/13/2006 08:50			
Extraction Date	01/17/2006 07:00			
Analysis Date	01/18/2006 20:52			
Extraction HT Met?	YES			
Analytical HT Met?	YES			
Sample Matrix	SOIL LOW			
Dilution Factor	1.0			
Sample wt/vol	30.31 GRAMS			
% Dry	72.08			

NA - Not Applicable

METHOD 8082 - POLYCHLORINATED BIPHENYLS

Client Sample ID Job No & Lab Sample ID	Method Blank A06-0543 A601223602				
Sample Date					
Received Date					
Extraction Date	01/17/2006 07:00				
Analysis Date	01/18/2006 14:50				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	30.09 GRAMS				
% Dry	100.00				

31/35

NA - Not Applicable

Lab ID	Sample ID	Lab	Analyte	Method	DF	% Dry	Sample wt/vol g/L	Sample Date	Receive Date	Analysis Date	ANL INI	AH	Matrix
A6054301	WC-1	RECNY	ARSENIC, TOTAL	6010	1.0	72.08	0.537 g	01/12/2006 12:00	01/13 08:50	01/19 03:09	TWS	Y	SOIL
		RECNY	BARIUM, TOTAL	6010	1.0	72.08	0.537 g	01/12/2006 12:00	01/13 08:50	01/19 03:09	TWS	Y	SOIL
		RECNY	CADMIUM, TOTAL	6010	1.0	72.08	0.537 g	01/12/2006 12:00	01/13 08:50	01/19 03:09	TWS	Y	SOIL
		RECNY	CHROMIUM, TOTAL	6010	1.0	72.08	0.537 g	01/12/2006 12:00	01/13 08:50	01/19 03:09	TWS	Y	SOIL
		RECNY	LEAD, TOTAL	6010	1.0	72.08	0.537 g	01/12/2006 12:00	01/13 08:50	01/19 03:09	TWS	Y	SOIL
		RECNY	MERCURY, TOTAL	7471	1.0	72.08	0.5576 g	01/12/2006 12:00	01/13 08:50	01/17 15:37	LS	Y	SOIL
		RECNY	SELENIUM, TOTAL	6010	1.0	72.08	0.537 g	01/12/2006 12:00	01/13 08:50	01/19 03:09	TWS	Y	SOIL
		RECNY	SILVER, TOTAL	6010	1.0	72.08	0.537 g	01/12/2006 12:00	01/13 08:50	01/19 03:09	TWS	Y	SOIL

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	% Dry	Sample wt/vol	g/L	Sample Date	Receive Date	Analysis Date	ANL INI	AH	Matrix
A6B1225502	Method Blank	RECNY	MERCURY, TOTAL	7471	1.0	100.00	0.6	g	-	-	01/17 16:00	LS	Y	SOIL
A6B1226102	Method Blank	RECNY	ARSENIC, TOTAL	6010	1.0	100.00	0.5	g	-	-	01/19 00:38	TWS	Y	SOIL
		RECNY	BARIUM, TOTAL	6010	1.0	100.00	0.5	g	-	-	01/19 00:38	TWS	Y	SOIL
		RECNY	CADMIUM, TOTAL	6010	1.0	100.00	0.5	g	-	-	01/19 00:38	TWS	Y	SOIL
		RECNY	CHROMIUM, TOTAL	6010	1.0	100.00	0.5	g	-	-	01/19 00:38	TWS	Y	SOIL
		RECNY	LEAD, TOTAL	6010	1.0	100.00	0.5	g	-	-	01/19 00:38	TWS	Y	SOIL
		RECNY	SELENIUM, TOTAL	6010	1.0	100.00	0.5	g	-	-	01/19 00:38	TWS	Y	SOIL
		RECNY	SILVER, TOTAL	6010	1.0	100.00	0.5	g	-	-	01/19 00:38	TWS	Y	SOIL

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	% Dry	Sample wt/vol g/L	Sample Date	Receive Date	Analysis Date	ANL INI	AH	Matrix
A6054301	WC-1	NECNY	Total Solids (103 C)	2540G	1.0	72.08		01/12/2006 12:00	01/13 08:50	01/17 09:25	KO	Y	SOIL
		NECNY	Flashpoint	1010	1.0	72.08		01/12/2006 12:00	01/13 08:50	01/17 13:50	KEG	Y	SOIL
		NECNY	pH-WATER EXTRACT	9045	1.0	72.08		01/12/2006 12:00	01/13 08:50	01/18 13:23	ERK	Y	SOIL

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	BBL
Address	6723 Towpath Rd
City	Syracuse
State	NY
Zip Code	13214
Project Name and Location (State)	Energy East Court Street Binghamton, NY
Contract/Purchase Order/Quote No.	13046.009
Project Manager	Keith White
Telephone Number (Area Code)/Fax Number	(315) 671-9530 / (315) 446-8053
Site Contact	Jason Sents
Lab Contact	Paul Morrow
Carrier/Waybill Number	
Date	1/12/06
Lab Number	
Chain of Custody Number	242510
Page	1 of 1

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Matrix: Aqueous	Matrix: Sed.	Matrix: Soil	Matrix:	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		TCL MX 6010	Total Reactivity	TCL SVOC 8270	PCB 8082	Total Sulfide 9034	Ignitability 1010	pH 9045	PCB 8082	BTEX 602	pH 150.1	Ignitability 1010		Special Instructions/ Conditions of Receipt
WC-1	1/12/06	1200				X		X							X	X	X	X	X	X	X						
WC-2	1/12/06	1400		X				X			X											X	X	X	X		

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: J. C. Sents / Jason C. Sents	1/12/06	1700	1. Received By: [illegible] STL Buffalo	1/13/06	0850
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL Buffalo

Report Mod-Bottle Error Form
Revision 1
12/3/2004

REPORT MODIFICATION - BOTTLE ORDER ERROR

Client: New York State Electric Gas

Job #(s): A06-0543

Request Date: 1/30/06

Date Needed: 1/31/06

Report Revision ☐
- Client Error ☐ Hardcopy? ☐
- STL Error ☐ EDD? ☐

Report Correction ☒

Bottle Order Error ☐

Reporting Issues

Why is Revision/Correction Required?

New rerun results for dilution

Specific Instructions for Report Production:

Reproduce report

Without initial dilution.

New Dilution includes (I cancelled it)

Bottle Order Issues

- Incorrect or Missing Bottles Sent ☐
- Preservative Problem ☐
- Bottles Received Late ☐
- Bottles Sent to Wrong Address ☐
- Sampling Information Incorrect ☐
- Insufficient Cooler Space Allowed for Return Shipment ☐
- Other ☐

Requestor: [signature]

Completed By: [signature] Date: 1/31/06

Revision: Modification required *after* report issued