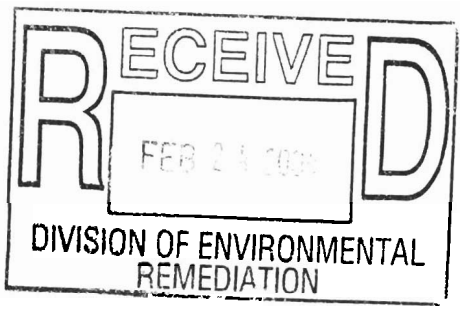
Niagara Mohawk
A **National Grid** Company



February 23, 2004

Mr. Scott Deyette
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

Re: ISC Data Summaries for Herkimer (Smith St.), Fort Edward, and Watervliet Non-Owned Former MGP Sites

Dear Mr. Deyette:

Niagara Mohawk, a National Grid Company (Niagara Mohawk), is providing the enclosed copies of the Initial Site Characterization (ISC) Data Summaries for the above mentioned sites.

We look forward to discussing the data and overall site conditions in our upcoming meeting on March 1st in Albany. Please contact me at (315) 428-5652 if you have any questions.

Sincerely,

Steven P. Stucker, C.P.G.
Senior Analyst

Cc (letter only):
William Holzhauer-National Grid Service Company
John Parkinson- National Grid Service Company
Charles F. Willard-Niagara Mohawk, a National Grid Company
Deanna Ripstein-NYSDOH
Maureen Schuck-NYSDOH
Greg Rys-NYSDOH
File

DATA SUMMARY
for the
Fort Edward, NY (Canal Street)
Non-Owned Former MGP Site

Prepared for:

Niagara Mohawk
A **National Grid** Company

300 Erie Boulevard West
Syracuse, New York 13202

Prepared by:

MWH Americas, Inc
10 Airline Drive, Suite 200
Albany, New York 12205

February 20, 2004

APPENDICES

FIGURES

TABLES

ABBREVIATIONS

ASP	Analytical Services Protocol
BDL	Below detectable limits
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylene
COCs	contaminants of concern
DUSR	Data Usability Summary Report
ft/ft	feet per foot
FSP	Field Sampling Plan
ft^3	cubic foot
HASP	Health and Safety Plan
HSA	hollow stem auger
I.D.	inside diameter
IP	Interface Probe
IRM	interim remedial measure
MGP	manufactured gas plant
mg/kg	milligrams per kilogram (equivalent to parts per million)
ND	not detected
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAHs	polycyclic aromatic hydrocarbons
PCBs	polychlorinated biphenols
PID	photoionization detector
PVC	polyvinyl chloride
QAPP	Quality Assurance Project Plan
QA/QC	quality assurance/quality control
SVOCs	Semivolatile Organic Compounds
TAGM	Technical and Administrative Guidance Memorandum
ug/kg	micrograms per kilogram (equivalent to parts per billion)
ug/l	micrograms per liter (equivalent to parts per billion)
USCS	Unified Soil Classification System
VOCs	volatile organic compounds

EXECUTIVE SUMMARY

The overall objective of the Site Characterization/Interim Remedial Measure (SC/IRM) Study at Fort Edward site was to complete the preliminary characterization of the site with respect to establishing the nature and extent of any MGP-related residuals. Specifically, the objectives of this SC/IRM Report are to describe the site characterization activities conducted, and to present the data collected and the associated conclusions and recommendations based on the interpretation of that data.

No previous environmental investigations had been conducted at the Ft. Edward (Canal St.) site prior to the SC/IRM study. The SC/IRM field investigation activities consisted of the following tasks:

- Reconnaissance Visit
- Surface Soil Sampling
- Test Pit Installation
- Soil Boring/Monitoring Well Installation
- Subsurface Soil Sampling
- Groundwater Gauging and Sampling
- Survey of the Study Area

A summary description of the results from these field investigation tasks is presented below. In addition to the scope of work identified in the SC/IRM work plan, an in-ground swimming pool and a previously unidentified underground structure that was discovered were closed in place. These activities are included in the discussion.

Reconnaissance Visit

A reconnaissance visit was conducted on July 2, 2003. Attendees included representatives of Niagara Mohawk, a National Grid Company (Niagara Mohawk), the New York State Department of Environmental Conservation (NYSDEC), MWH Americas, Inc. (MWH), the New York State Department of Health (NYSDOH), and the drilling subcontractor (Aquifer Drilling & Testing, Inc.). During the visit, the following activities were completed:

- An overview of the site-specific Health & Safety Plan (HSP) was presented and health and safety issues were discussed

  Markouts of underground utilities were examined
- Soil boring, monitoring well, and test pit locations were selected
- Surface soil sampling locations were selected (on-site and off-site, background locations)
- Access for the drill rig to the proposed soil boring and monitoring well locations was evaluated
- Locations for equipment and materials staging areas and the decontamination pad were determined

In addition, areas of the site that required clearing and grubbing were identified and a survey/ inspection of the inside of the former MGP building was performed. Both the interior and exterior of the building were photo-documented. Photographs of the building are on file at Niagara Mohawk's Syracuse office.

As a result of the site reconnaissance, additional tasks were added to the scope of work described in the SC/IRM Work Plan. These tasks included:

Install two (2) additional test pits

Clear and grub brush to provide access to the selected sampling locations

Surface Soil Sampling

The SC/IRM Work Plan specified collection and laboratory analysis of a total of 16 surface soil samples. The specific locations for sample collection were selected during the reconnaissance visit based on collaborative concurrence with the NYSDEC, NYSDOH, and Niagara Mohawk. Thirteen (13) on-site locations (SS-01 through SS-13) and 3 off-site locations (SS-14, SS-15, and SS-16) were selected.

Off-site locations that were accessible and representative were limited. The three locations that were acceptable to the NYSDOH were located at the State Street Cemetery (property owned by the Town of Fort Edward). Niagara Mohawk submitted a request for access and a representative attended two meetings of the Town Board. Permission to access the cemetery property was not secured by Niagara Mohawk.

All surface soil samples were analyzed for semivolatile organic compounds (SVOCs), target analyte list (TAL) metals, and total organic carbon (TOC). The laboratory results from the SVOC analyses for the 13 on-site surface soil samples are summarized in **Table 5-1**. As shown on **Figure 5-1a**, the total concentration of the seven potentially carcinogenic PAHs (cPAHs) ranged from BDL (7 samples) to 40.8 mg/kg (SS-06 collected near former burn pit located near center of property). The total cSVOC results from the samples collected from around the perimeter of the property ranged from below detectable levels (BDL) (6 samples) to 0.26 mg/kg as shown on the table below.

Table ES-1

Sample I.D.	Total cPAHs (mg/kg)	Sample I.D.	Total cPAHs (mg/kg)
SS-01	BDL	SS-08	0.44 J
SS-02	BDL	SS-09	BDL
SS-03	0.26 J	SS-10	BDL
SS-04	0.36 J	SS-11	BDL
SS-05	0.35 J	SS-12	BDL
SS-06	40.8 JD	SS-13	0.17 J
SS-07	BDL		

J- indicates estimated value
D- sample required laboratory dilution
V- validation indicated one or more reported analyte conc. were estimated
B- one or more analytes detected in blank

Results from the TAL metals analyses are summarized in **Table 5-2**. All metals were within generally anticipated New York State average background concentrations as defined in Appendix A, Table 4 of TAGM 4046. No individual soil sample exhibited an elevated concentration of any of the metals reported.

The results from the TOC analyses are summarized in **Table 5-3**. TOC values in the surface soil samples ranged from 2,700 – 5,800 mg/kg.

Test Pit Installation

Per the SC/IRM Work Plan, two test pits were installed across opposite walls of the former gas holder to determine the location, dimensions, and construction of the pad remnants, and

to investigate the presence, or absence, of MGP impacts. Test pit TP-1 was installed across the northwest wall of the holder and TP-2 was installed across the southeast wall. The remnants appeared to be a 1-foot thick concrete floor of the former holder on top of a 1½-foot deep concrete footer. The floor of the former holder was approximately 52 feet in diameter. No visual or olfactory evidence of MGP-impacts existed. Some limited evidence of ash was detected in the top 6-inches of soils at TP-1. The soils on top of the concrete floor were removed and the location of the concrete floor was surveyed.

In addition, based on field observations two additional test pits (TP-3 and TP-4) were installed. TP-3 was installed to investigate an apparent brick and concrete footer located northeast from the former holder. No evidence of impacts existed around this footing.

Test pit TP-4 was installed near the southeastern corner of the former MGP structure to investigate surface exposures of materials appearing to be coal, ash, slag, and a blue-green coarse material. These materials were present to 7.5-feet below grade (depth of test pit). The lateral extent of these materials was not identified and represents a data gap that requires additional investigation.

The locations of the test pits are included on **Figure 2-1**. No soil samples from the test pits were sent for laboratory analysis.

Soil Boring/Monitoring Well Installation

Eleven (11) soil borings were installed during the field investigation between June 4, 2003 and June 11, 2003. The locations of the soil borings are also presented on **Figure 2-1**. The soil borings were installed with a drill rig using hollow stem auger (HSA) drilling techniques. Soil samples were continuously collected at 2 feet long intervals using a split-spoon sampler. The split-spoons were decontaminated between each sampling interval to avoid cross contamination. All samples were screened for volatile organic compounds (VOCs) using a field photoionization detector (PID). Moisture content, color, consolidation, lithology, grain size distribution, and any visual or olfactory evidence of contamination, along with the PID reading, were recorded on field Drilling Logs. The soil boring installed to investigate the soils beneath the former gas holder pad (SB-8) was installed to a depth of 5 feet below the top of the concrete pad. Soil borings installed to investigate the subsurface geology at other areas of the site were installed to depths ranging from 30 to 42 feet bgs to the top of a clay confining unit.

Four of the soil borings were completed as 2-inch inside diameter (I.D.) monitoring wells with 0.020-inch slotted screen and riser. The wells were installed to depths of 30 to 42 feet bgs. Well construction details are included on the boring logs. These four (4) wells were oriented for collection of water level measurements to ascertain groundwater flow direction and to investigate the presence or absence of dissolved MGP residuals.

Subsurface Soil Sampling

Approximately 6-7 soil samples were collected for laboratory analysis from each of the 11 borings installed (total of 69 samples). The samples were sent to the laboratory for analysis of PAHs, BTEX, and Cyanide (total and amenable). Approximately 10 percent of the total sample volume were selected (at the discretion of the Field Geologist based on field observations) for TCL/TAL analysis. Additionally, one soil sample was collected from each soil boring and analyzed for TOC.

The results from the TCL VOC and BTEX analyses are provided in **Table 5-4** and **Table 5-5**, respectively. The results are summarized on **Figure 5-2**. No volatile analytes were detected in soil samples collected from 10 of the 11 soil borings. At one soil boring (SB-04/MW-01), three of the seven samples possessed benzene at concentrations well below the NYSDEC's Recommended Soil Cleanup Objective (RSCO). These samples were collected at depths ranging from 12-22 feet below ground surface (bgs).

The results from the TCL SVOC and PAH analyses are provided in **Table 5-6** and **Table 5-7**, respectively. The results are summarized on **Figure 5-3**. When the results for phthalate compounds are removed (plasticizers associated with sampling and/or laboratory artifacts), no SVOC or PAH analytes were detected in any of the soil samples collected from 7 of the 11 soil borings (SB-02, SB-04, SB-05, SB-06, SB-07, SB-08, and SB-11). At SB-03, one soil sample collected from 28-30 feet bgs possessed fluorene at a concentration of 0.046 mg/kg (well below its NYSDEC RSCO of 50 mg/kg). Similarly, at SB-01 pyrene was detected in a sample collected from 4-6 feet bgs at 0.041 mg/kg, well below its RSCO of 50 mg/kg. At SB-10, the sample collected from 10-12 feet bgs possessed benzo(a)pyrene at a concentration of 0.085 mg/kg (slightly exceeding its RSCO of 0.061 mg/kg). Only one soil sample

(collected from SB-09 from 0-2 feet bgs) possessed more than one analyte that slightly exceeded their respective RSCOs (total of four analytes). The four PAH analytes that were present in this shallow sample were the same analytes that were typically found in surface soils from the site.

The results from the analyses for TAL Metals are presented in **Table 5-8**, and for cyanide in **Table 5-8a**. The concentrations of most metals were within published typical background levels. Iron was present in all of the samples at concentrations higher than published typical background levels, however, the highest concentrations of iron were generally in samples collected from the deepest depths (i.e. from 26-32 feet bgs). This suggests that these levels of iron in undisturbed soils are naturally occurring.

In addition, two undisturbed soil samples were collected during soil boring installation using a Shelby Tube sampler and sent for analysis of geotechnical parameters to evaluate the soil's physical characteristics. One sample was collected at SB-10 (32-34 feet bgs) from a silt material (with some clays), the other from SB-11 (42-44 feet bgs) from a clay unit. The geotechnical parameters included porosity, permeability, bulk density, grain size, Atterburg Limits, percent moisture, and specific gravity. The geotechnical results are presented in **Table 5-9**. The data indicated that the lacustrine clay material that is detected across the site had a porosity of 4.60×10^{-8}. This continuous proglacial lacustrine clay unit is shown on the geologic cross-section (**Figure 4-1**).

Groundwater Gauging and Sampling

Two groundwater gauging and sampling events were conducted approximately two months apart (June 23 and September 9, 2003). Groundwater samples were collected and sent for analysis of VOCs, SVOCs, TAL Metals, and Natural Attenuation Parameters. The results are presented in **Table 5-10**, **Table 5-11**, **Table 5-12**, and **Table 5-13**, respectively.

No VOCs were detected in samples collected from any of the wells during either sampling event. With the exception of phenol (detected at two wells during one of the two sampling events) no SVOCs were detected.

Closure of Swimming Pool and Underground Structure

An in-ground swimming pool that was located in the back yard (i.e. east) of the former MGP structure was closed in place by Niagara Mohawk The pool was closed to eliminate a potential safety hazard to trespassers at the site, and to remove a potential breeding place for insects. Holes were made in the bottom of the pool, and the pool filled to grade with a self-compacting material.

In addition, a previously unknown underground brick structure was discovered southeast of the swimming pool. The structure appeared to be cylindrical, approximately 6 feet in

diameter, and constructed of brick Standing water was present within the structure at approximately 4 feet below grade. Niagara Mohawk used a backhoe to remove the cover and investigate the structure's interior; no visual or olfactory evidence of MGP impacts were detected. The structure was closed in place to eliminate a potential safety hazard to trespassers at the site. The structure was photo-documented prior to closure; photographs of the structure are maintained on file at Niagara Mohawk's Syracuse, New York office. The origin of structure is unknown.

Survey of the Study Area

At the completion of the field investigation activities, New York State licensed surveyors from Niagara Mohawk surveyed the locations and ground elevations at all the soil boring, monitoring well, test pit, and surface soil sampling locations. Top of casing elevations were also collected at each of the monitoring well locations. This survey information was used to create the figures included in this report.

APPENDIX A

Drilling Logs

Boring / Well ID: SB01

Client: Niagara Mohawk

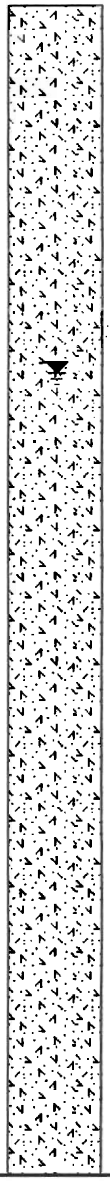
Project Name: Former MGP Site

Site Location: Canal St., Fort Edward

Project Number: 4260146

Geologist: John Santacroce

MWH Americas
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Bl s/6in	Recovery	PID (p)		
0		Ground Surface							Boring backfilled with betonite grout mix.
1		Poor recovery, 2" Top soil, FILL, sand and fine gravel		SS	14,38,16,14	2	0		
3		No recovery, pushed limestone cobble, FILL		SS	18,19,10,10	0	0		
5		Brown tan medium to fine SILTY SAND		SS	8,7,6,6	12	0		
7		Brown tan medium to fine SAND and SILT grading to medium to coarse sand, with some medium to fine gravel, wet		SS	7,5,10,14	16	0		
9		Brown gray fine SAND and SILT, some clay, wet, mottled, corse sand seam, saturated		SS	6,6,5,5	18	0		
11		Poor recovery, gray SILT and coarse to fine SAND		SS	4,4,6,7	6	0		
13		Saturated green gray medium SAND and poorly sorted GRAVEL		SS	6,5,5,5	18	0		
15		Green gray medium to coarse SAND		SS	5,5,15,17	6	0		
17		Green gray fine to medium SAND, some silt		SS	16,11,13,13	10	0		
19		Saturated fine to medium SAND, some silt, some medium to fine rounded gravel.		SS	19,17,8,9	6	0		
21		Green gray medium to fine SAND, some silt, grading to fine sand and silt.		SS	8,14,14,21	12	0		
22									

Contractor: ADT

Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

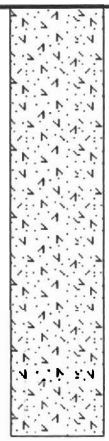
Drill Date: 6/4/03

Boring / Well ID: SB01 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

MWH Americas
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (p)	Well Construction	Remarks
23		No recovery, refusal at 22.5' bgs. Augered to 24' bgs		SS	50 5"	0	0		
24		Gray fine to coarse SAND, little silt, some round gravel, shale cobbles		SS	16,5,6,6	18	0		
25									
26		Gray coarse to fine SAND, little silt and gravel, saturated		SS	5,6,16,16	18	0		
27									
28		Gray green fine to coarse SAND, little silt and gravel; silt content increases with depth.		SS	3,8,10,12	14	0		
29									
30		End of Borehole							
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

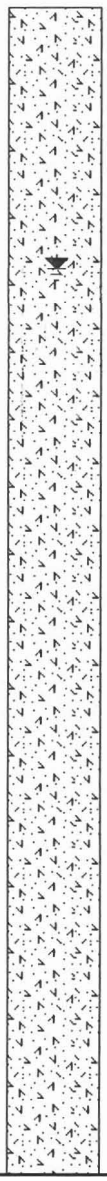
Drill Date: 6/4/03 | Sheet: 2 of 2

Boring / Well ID: SB02 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

MWH Americas
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							Boring backfilled with betonite grout
0-1		12" Organinc top soil 4" orange fine to medium SAND and SILT, mottled		SS	2,6,2,3	16	0		
2-3		Orange fine to medium SAND, some silt, mottled, moist last 3"	1	SS	3,7,8,12	20	0		
4-5		10" Orange fine to medium SAND some silt, mottled 6" fine to meduim SAND, saturated at 5' bgs		SS	5,8,9,10	16	0		
6-7		Orange brown fine to medium SAND , little silt	2	SS	12,8,9,8	13	0		
8-9		Gray fine SAND , some silt		SS	2,1,1,3	24	0		
10-11		Green gray fine to medium SAND, some fine to medium round gravel.		SS	4,5,7,6	6	0		
12-13		Green gray fine to coarse SAND, some gravel and shale cobbles.		SS	2,3,8,10	8	0		
14-15		Green gray fine to corse SAND, some round gravel, little silt	3	SS	14,2,5,4	8	0		
16-17		Green gray fine to coarse SAND, some round gravel, little silt.		SS	7,9,9,13	12	0		
18-19		Green gray fine to coarse SAND, some round gravel, little silt		SS	2,7,8,5	6	0		
20-21		Gray fine SAND, some silt and clay	4	SS	3,3,6,9	24	0		
22									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

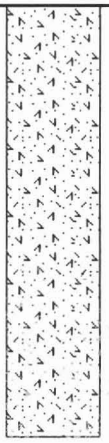
Drill Date: 6/4/03 | **Sheet: 1 of 2**

Boring / Well ID: SB02 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

MWH Americas
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
23		Gray fine SAND, some silt and clay. clay seam at 3"		SS	6,6,12,14	24	0		
24		Gray fine SAND, some silt and clay. clay seam at 6" and 13"	5	SS	6,5,9,11	18	0		
26		Gray fine SAND and SILT grading to clayey silt		SS	3,5,9,9	24	0		
28		Gray fine SAND and SILTY CLAY , clay decreses with depth	6	SS	1,3,9,7	24	0		
30		End of Borehole							
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/4/03 | **Sheet: 2 of 2**

Boring / Well ID: SB03 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

MWH Americas
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USC	Description	Number	Typ	Blows/6in	Re overy	PID (p)		
0		Ground Surface							Boring backfilled with betonite grout mix.
1		6" Organic top soil, 18" Brown SILTY SAND		SS	3,3,6,7	24	0		
2		Orange fine SAND and SILT, mottled moist	1	SS	7,8,7,9	24	0		
4		8" Orange fine SAND and SILT 4" fine to medium orange brown SAND, some silt		SS	7,9,8,7	12	0		
6		12" Orange brown SAND and SILT, wet 12" Gray fine to medium SAND, little silt, saturated	2	SS	9,9,6,3	24	0		
8		Gray fine to medium SAND, some silt, seam of fine sand	3	SS	3,2,2,4	17	0		
10		Poor recovery, gray SILT and coarse to fine SAND, sluff		SS	1,2,1,4	3	0		
12		Saturated green gray medium SAND and poorly sorted GRAVEL, little silt and shale cobbles		SS	2,3,4,3	7	0		
14		Green gray fine to coarse SAND and fine to medium rounded GRAVEL, little silt		SS	3,3,4,5	14	0		
16		Green gray fine to coarse SAND and fine to medium rounded GRAVEL, little silt		SS	5,5,5,5	8	0		
18		Green gray fine to coarse SAND and fine to medium rounded GRAVEL, little silt	5	SS	6,3,9,10	14	0		
20		Gray fine SAND, some silty clay		SS	2,4,5,7	13	0		
22									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

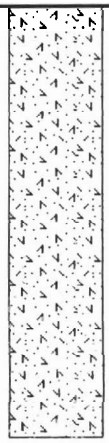
Drill Date: 6/5/03 | Sheet: 1 of 2

Boring / Well ID: SB03 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

MWH Americas
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
23		Gray fine SAND, some silt, trace clay, clay seam at 3"		SS	7,9,11,8	12	0		
24									
25		Fine gray caorse to fine SAND and GRAVEL, grading to fine sand and silty clay	6	SS	4,12,13,19	18	0		
26									
27		Gray fine SAND, some silt, seams of clay		SS	5,9,12,16	12	0		
28									
29		Gray fine SAND, some silt, seams of clay	7	SS	6,6,8,9	12	0		
30		End of Borehole							
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/5/03

Boring / Well ID: SB04/MW01 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

MWH Americas
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0-1		16" Organic dark brown topsoil 4" Gray tan SILTY SAND, mottled		SS	3,6,6,5	22	0		
2-3		12" SILTY SAND, mottled 6" Gray medium to fine sand and silt, wet	1	SS	5,5,6,4	18	0		Bentonite/ grout backfill
4-5		Brown gray fine to medium SAND, some silt, saturated		SS	6,6,3,2	15	0		
6-7		Gray coarse to fine sand, some silt, clay seam bottom 1" , saturated		SS	1,2,H,5	16	0		2" Sch. 40 PVC Riser
8-9		Gray coarse to fine SAND, some silt, saturated	2	SS	4,2,3,5	12	0		
10-11		Gray coarse to fine SAND some silt, saturated		SS	1,2,7,5	8	0		
12-13		Gray coarse to fine SAND, some silt, saturated, trace round fine to medium gravel.	3	SS	8,8,9,8	16	0		
14-15		Poor recovery, pushed shale cobble.		SS	3,6,8,7	3	0		00-Sand Bentonite
16-17		Green gray fine to coarse SAND some rounded gravel, little silt	4	SS	8,8,9,6	12	0		00-Sand
18-19		Green gray fine to coarse SAND some rounded gravel, little silt		SS	4,4,7,10	8	0		0-Sand
20-21		Green gray fine to coarse SAND some rounded gravel, little silt	5	SS	5,6,8,8	6	0		
22									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/12/03

Boring / Well ID: SB04/MW01 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

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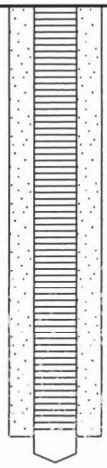
SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USC	Description	Number	Typ	Blows/6in	Recovery	PID (p)		
23		Green gray fine to coarse sand some rounded gravel, little silt		SS	2,12,22,33	9	0		0.010" Slotted PVC Screen
24									
25		10" Green gray fine to coarse SAND and some round gravel, trace silt. 3" Gray fine sand and silty clay, saturated	6	SS	10,9,8,12	13	0		
26									
27		Gray fine SAND grading to silty clay	7	SS	1,1,H,3	24	0		
28									
29		Saturated soft gray CLAY with 1/4" Fine sand seams.		SS	1,1,1,H	24	0		
30		End of Borehole							
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/12/03 | Sheet: 2 of 2

Boring / Well ID: SB05/MW02 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

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SUBSURFACE PROFILE			SAMPLE						
Depth	USC	Description	Number	Type	Blows/6in	Recovery	PID (p)	Well Construction	Remarks
		Ground Surface							
0-1		7" Top soil, 7" Brown fine SAND and SILT		SS	2,4,6,8	14	0		
2-3		18" Brown gray fine SAND and SILT, mottled 2" Green gray fine sand, some silt, wet	1	SS	7,9,9,9	20	0		Bentonite grout backfill
4-5		Gray green fine SAND with decreasing downward silt content, saturated at 5' bgs		SS	7,7,8,9	24	0		
6-7		Gray green fine to medium SAND, little silt		SS	1,3,3,5	19	0		2" Sch 40 PVC Riser
8-9		Green gray ccarse to fine SAND, trace silt, fine sand, silt seam at 2"	2	SS	1,H,6,9	12	0		
10-11		Green gray fine to coarse SAND, little silt		SS	3,4,5,5	6	0		
12-13		Green gray fine to coarse sand, little silt, trace shale cobbles	3	SS	5,8,9,10	14	0		
14-15		Green gray fine to coarse SAND, trace silt and shale		SS	6,5,6,6	12	0		00-sand Bentonite
16-17		Green gray fine to coarse SAND some shale cobbles	4	SS	5,6,10,10	16	0		00-sand
18-19		Green gray fine to medium SAND some round fine to medium gravel		SS	2,7,9,10	12	0		0-sand
20-22		Green gray fine to medium SAND some round fine to medium gravel	5	SS	3,2,8,9	18	0		

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/9/03 | Sheet: 1 of 2

Boring / Well ID: SB05/MW02 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

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SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
23		Green gray fine to coarse SAND, little silt, grading to fine sand and silt, bottom 3" clayey silt		SS	3,4,5,10	16	0		
24		Gray SILTY SAND							0.010" Sloted PVC screen
25			6	SS	5,8,9,10	12	0		
26		Gray SILTY CLAY, occasional fine to medium sand lens							
27			7	SS	2,4,6,5	24	0		
28		Gray CLAY occasional fine sand seam							
29				SS	3,3,2,3	24	0		
30		End of Borehole							
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/9/03 | **Sheet: 2 of 2**

Boring / Well ID: SB06 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

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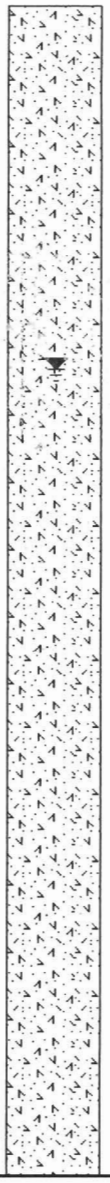
SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							Boring backfilled with betonite grout mix.
0-1		7" Brown, organic top soil, 13" Orange SILTY sand, mottled		SS	2,2,5,4	20	0		
2-3		6" Orange SILTY SAND, moist, mottled 6" Brown gray fine SAND, some silt, mottled, moist	1	SS	5,10,12,17	22	0		
4-5		Brown gray fine SAND, some silt, coarsening with depth		SS	7,7,6,9	20	0		
6-7		Brown gray fine to medium SAND, some silt, saturated at 7' bgs	2	SS	6,6,6,8	18	0		
8-9		Green gray fine to medium SAND, trace silt, saturated, shale cobbles		SS	3,3,6,6	24	0		
10-11		Green gray fine to coarse SAND, some fine to medium round gravel, little silt	3	SS	1,1,2,2	24	0		
12-13		Green gray fine to coarse SAND, some fine to medium round gravel, little silt		SS	4,4,66,7	10	0		
14-15		Green gray fine to coarse SAND, some fine to medium round gravel, little silt		SS	3,4,4,6	12	0		
16-17		Green gray fine to coarse SAND, some fine to medium round gravel, little silt	4	SS	5,7,9,11	2	0		
18-19		Poor recovery, pushed cobble		SS	5,8,10,11	3	0		
20-21		Green gray fine to coarse SAND, some round gravel, little shale, trace silt		SS	10,8,10,12	6	0		
22									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/9/03 | Sheet: 1 of 2

Boring / Well ID: SB06 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

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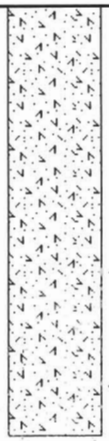
SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
23		6" Green gray fine to coarse SAND, little silt 6" Gray fine sand and silt	5	SS	7,9,9,8	12	0		
24 25		Gray fine SAND, some silt; clay seam at 12"		SS	5,10,11,10	24	0		
26 27		Gray fine SAND, some silt, seams of clay	6	SS	3,6,2,6	20	0		
28 29		Intervals of SILTY CLAY and fine sand seams	7	SS	2,3,6,7	20	0		
30		End of Borehole							
31 32 33 34 35 36 37 38 39 40 41 42 43 44									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/9/03 | Sheet: 2 of 2

Boring / Well ID: SB07 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

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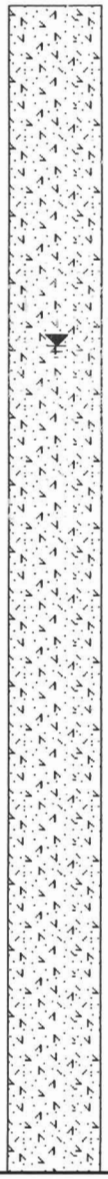
SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							Boring backfilled with betonite grout mix.
0-1		6" Brown, organic top soil, 6" Orange SILTY SAND FILL with brick and two inches white ash.		SS	4,4,3,6	12	0		
2-3		Orange SILTY SAND, mottled moist. Last 4" brown gray fine SAND, wet.		SS	5,8,11,11	20	0		
4-5		Brown gray fine SAND, some silt, saturated at 6.5' bgs	1	SS	7,5,6,5	12	0		
6-7		Saturated brown gray fine SAND, some silt, pyrite		SS	4,3,4,4	14	0		
8-9		saturated green gray fine to coarse SAND, trace silt, some gravel, garnet and pyrite		SS	3,3,4,3	12	0		
10-11		Green gray fine to coarse SAND and fine GRAVEL, trace shale	2	SS	4,3,4,7	14	0		
12-13		Green gray fine to coarse SAND and fine GRAVEL, trace shale		SS	3,4,6,3	13	0		
14-15		Green gray fine to coarse SAND, some fine to medium round gravel, some shale	3	SS	2,4,4,5	8	0		
16-17		Green gray fine to coarse SAND, some gravel, clay seam at bottom of sample		SS	2,4,3,6	13	0		
18-19		Green gray fine to coarse SAND, some fine gravel, wood (root) at 6"	4	SS	2,4,4,5	10	0		
20-21		Green gray fine SAND, some silt, trace fine round gravel		SS	7,9,3,4	12	0		
22									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/10/03 | Sheet: 1 of 2

Boring / Well ID: SB07 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

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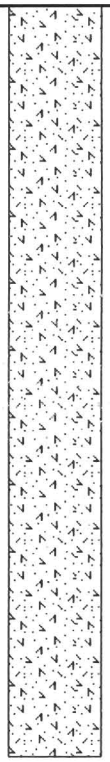
SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
23		Green gray fine SAND, some silt, trace fine round gravel, clay seam at 6"		SS	2,2,2,4	17	0		
24-25		Green gray fine SAND , some silt, trace fine round gravel, clay seam at 6" and 11"	5	SS	1,4,5,5	16	0		
26-27		Gray medium to fine SAND, saturated		SS	3,5,8,11	10	0		
28-29		Gray medium to fine SAND, clay seam at 3"	6	SS	5,6,13,19	14	0		
30-31		Gray medium to fine SAND, and silt, clay layer 2-10" in spoon		SS	3,3,7,6	18	0		
32-33		16" CLAYEY SILT 4" Gray fine sand and silt	7	SS	1,2,3,5	24	0		
34-35		Gray CLAY, fine sand seams at 2", and 16"		SS	2,2,3,5	24	0		
36		End of Borehole							
37									
38									
39									
40									
41									
42									
43									
44									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/10/03 | Sheet: 2 of 2

Boring / Well ID: SB08 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

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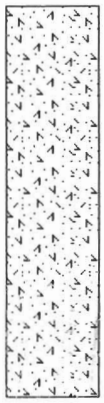
SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
0		Ground Surface							Boring backfilled with betonite grout
0-1		Holder foundation concrete		AG	NA	NA	NA		
2-3		8" FILL consisting of limestone and brick, 7" fine SAND and SILT mottled. 7" Brown fine sand, some silt, mottled, pyrite, wet	1	SS	4,6,6,9	22	0		
4-5		Brown fine SAND and SILT, mottled, pyrite, wet		SS	10,11,10,13	10	0		
6-7		Green gray fine to medium SAND, trace silt	2	SS	6,5,5,7	20	0		
8		End of Borehole							

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/10/03 | Sheet: 1 of 1

Boring / Well ID: SB09/MW03 *Client:* Niagara Mohawk

Project Name: Former MGP Site *Site Location:* Canal St., Fort Edward

Project Number: 4260146 *Geologist:* John Santacroce

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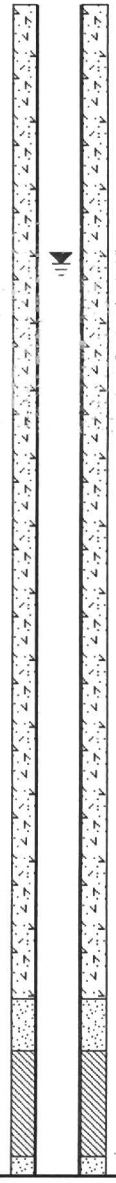
SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0-1		6" Top soil, remainder FILL consisting of 2" black ash, silty sand with brick and angular corse gravel and cobbles	1	SS	4,5,4,3	18	0		
2-3		3" Black ash and slag FILL. 15" Brown fine SILTY SAND (virgin soil) mottled.		SS	5,6,7,6	18	0		Bentonite grout backfill
4-5		Brown gray fine SAND and SILT, wet		SS	5,5,4,6	16	0		
6-7		10" Brown gray fine SAND and SILT. 7" Green gray sand and silt, some fine rounded gravel, mottled.	2	SS	5,5,4,6	17	0		
8-9		Green gray fine SAND, some silt, some fine rounded gravel. Saturated at 8.5' bgs.		SS	5,5,4,6	14	0		Sch 40 PVC riser
10-11		Gray fine SAND, some silt, some fine rounded gravel, trace shale cobbles.		SS	5,5,5,4	13	0		
12-13		Green gray fine to medium SAND, some fine-medium gravel, little silt.	3	SS	7,9,7,7	12	0		
14-15		Green gray fine to medium SAND, some fine-medium gravel, little silt.		SS	6,7,8,8	8	0		
16-17		Green gray fine to coarse SAND some shale cobbles	4	SS	6,6,7,11	10	0		
18-19		Green gray fine to medium SAND, some black shale, little silt		SS	7,9,9,11	12	0		00-sand
20-21		Green gray fine to medium SAND, some black shale, little silt	5	SS	6,6,5,5	16	0		Bentonite
22									

Contractor: ADT Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/11/03 Sheet: 1 of 2

Boring / Well ID: SB09/MW03 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

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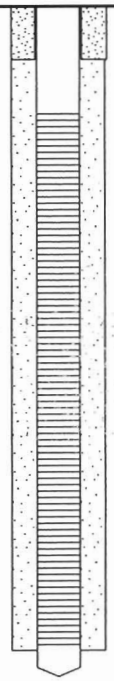
SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
23		Green gray fine to medium SAND, some black shale, little silt		SS	6,5,6,4	13	0		00-sand
24									
25		Green gray fine to medium SAND, some black shale, little silt		SS	6,5,7,4	12	0		0-sand
26									
27		Green gray fine to medium SAND, some black shale, little silt		SS	6,5,7,6	12	0		
28									0.010" Slotted PVC Screen
29		Green gray fine to medium SAND, some black shale, little silt		SS	7,8,9,11	16	0		
30									
31		Gray fine to medium SAND, silty clay seam at 3"	6	SS	6,10,8,8	12	0		
32									
33		Gray CLAYEY SILT, some medium coarse sand lenses		SS	6,5,2,2	24	0		
34									
35		End of Borehole							
36									
37									
38									
39									
40									
41									
42									
43									
44									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/11/03 | Sheet: 2 of 2

Boring / Well ID: SB10 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

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SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
0		Ground Surface							
0-1		6" Top soil then FILL consisting of ash, slag and brick.		SS	16, 11, 10, 3	16	0		
2-3		3" Brick, 6" White ash, FILL 12" Virgin soil, brown orange fine SAND and SILT, moist	1	SS	5, 5, 5, 5	21	0		
4-5		Brown fine SAND and SILT, mottled	2	SS	3, 3, 2, 4	24	0		
6-7		Brown fine sand some silt, mottled, pyrite		SS	6, 4, 4, 7	16	0		
8-9		No recovery, pushed cobble		SS	9, 11, 13, 14	0	0		
10-11		Brown fine SAND, some silt mottled, saturated	3	SS	2, 6, 8, 11	7	0		
12-13		No recovery		SS	6, 7, 8, 6	0	0		
14-15		Green gray fine to medium SAND, little silt, saturated		SS	5, 5, 5, 9	3	0		
16-17		Green gray fine to coarse SAND, trace silt, some gravel	4	SS	12,8,9,13	12	0		
18-19		Green gray fine to coarse SAND, some shale cobbles, some fine to medium round gravel		SS	6,5,7,8	15	0		
20-21		Green gray fine to coarse SAND, some shale cobbles, some fine to medium round gravel		SS	4,6,7,7	6	0		
22									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/11/03 | Sheet: 1 of 2

Boring / Well ID: SB10 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
23		Green gray fine to coarse SAND, some shale cobbles, some fine to medium round gravel	5	SS	5,8,10,12	16	0		
24									
25		Green gray fine to coarse SAND, some shale cobbles, some fine to medium round gravel		SS	4,4,7,8	9	0		
26									
27		Green gray fine to coarse SAND, some shale cobbles, some fine to medium round gravel		SS	5,6,5,7	8	0		
28									
29		Green gray fine to coarse SAND, some shale cobbles, some fine to medium round gravel	6	SS	2,3,6,12	19	0		
30		Gray fine to medium SAND , some silt, black shale and organics, clay seams at 6" and 12"							
31		6" Organic black SAND and SHALE, some silt, no odor or sheen. 14" CLAYEY SILT, wet	7	SS	2,3,6,16	18	0		
32									
33		Shelby tube	8	SS	SHELBY	24	NA		
34		End of Borehole							
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/11/03 | Sheet: 2 of 2

Boring / Well ID: SB11/MW04 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0-1		Hand dig for utility clearance. SILTY SAND FILL with brick and concrete.		Hand	NA	NA	0		Bentonite Grout Backfill
4-5		Orange tan FILL with brick, some clay	1	SS	1,1,2,3	20	0		
6-7		Brown orange fine to medium SA ND and SILT, mottled	2	SS	3,3,4,4	22	0		
8-9		Brown orange fine to coarse SAND, some silt, trace pyrite, wet last 2"		SS	5,5,7,8	12	0		
10-11		Gray fine to medium SAND, little silt, some pyrite, saturated		SS	4,6,10,9	8	0		
12-13		Poor recovery, sluff		SS	11,12,11,8	1	0		Sch. 40 PVC Riser
14-15		Green gray fine to medium SAND, trace silt, some fine to medium round gravel, saturated.	3	SS	8,6,6,6	10	0		
16-17		Green gray fine to medium SAND, trace silt, some fine to medium round gravel, saturated		SS	6,8,9,11	7	0		
18-19		Green Gray medium to coarse SAND, little shale, saturated	4	SS	10,9,13,11	15	0		
20-21		Green Gray medium to coarse SAND, little shale, saturated		SS	8,8,3,9	7	0		
22									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/12/03 | Sheet: 1 of 2

Boring / Well ID: SB11/MW04 | *Client:* Niagara Mohawk

Project Name: Former MGP Site | *Site Location:* Canal St., Fort Edward

Project Number: 4260146 | *Geologist:* John Santacroce

MWH Americas
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
23		Green Gray medium to coarse SAND, some black shale.	5	SS	5,6,8,8	12	0		
24		Green Gray fine to coarse SAND with fine to medium gravel and black shale.		SS	15,12,9,10	6	0		00-sand
25									
26		Green Gray fine to coarse SAND with fine to medium gravel and black shale. Clay seam at 3".		SS	14,10,9,8	6	0		Bentonite
27									00-Sand
28		Green Gray medium to fine SAND, some silt, clay seam at 3"		SS	15,10,9,11	24	0		
29									0-Sand
30		No recovery pushed cobble		SS	7,9,10,8	0	NA		
31									0.010 Slot PVC Screen
32		Green gray fine to medium SAND and silt,6" gray clay at bottom of sample.	6	SS	14,13,7,8	17	0		
33									
34		Green gray fine to medium SAND amd silt, 2" clay seams at 5" and 12"		SS	10,12,11,1	20	0		
35									
36		6" Gray Green fine to medium SAND and silt 6" Gray SILTY CLAY, wet		SS	9,6,6,5	12	0		
37									
38		Gray CLAY, moist, soft, trace fine sand seams	7	SS	1,1,1,1	24	0		
39									
40		Shelby Tube	8	SS	NA	24	NA		
41									
42		End of Borehole							
43									
44									

Contractor: ADT | Hole Size: 6.5

Drill Method: HSA, 4.25-inch ID Augers

Drill Date: 6/12/03 | Sheet: 2 of 2

MWH

MWH TEST PIT LOG

PROJECT NAME: Niagara Mohawk- Former MGP LOCATION: Canal St.- Fort Edward, NY TEST PIT ID: TP-2

GEOLOGIST/ENGINEER: John Santacroce DATE: 6/3/03

DRILLERS NAME/COMPANY: ADT SHEET 1 of 1

EQUPMENT USED: Bobcat Excavator

EXCAVATION METHOD: 4' x 4' Trench

LONGITUDE: LATITUDE: WATER: DEPTH: TIME:

CHECKED BY: NOT ENCOUNTERED ☑

DEPTH (FT.)	PID (ppm)	USCS	DESCRIPTION
	0		**Test pit located South-east of holder foundation.** 0-1' Topsoil, black, organic
2	0		1-4' Tan medium to coarse SAND FILL, wet, orange mottling, brick and shingles 0-3' bgs. Excavation stopped due to cast iron pipe found at 3' bgs. Holder foundation is approximately 1' thick concrete with limestone footers extending to 2' bgs
4			
6			
8			
10			

MWH

MWH TEST PIT LOG

PROJECT NAME: Niagara Mohawk- Former MGP **LOCATION:** Canal St.- Fort Edward, NY **TEST PIT ID:** TP-3

GEOLOGIST/ENGINEER: John Santacroce **DATE:** 6/3/03

DRILLERS NAME/COMPANY: ADT **SHEET** 1 of 1

EQUPMENT USED: Bobcat Excavator

EXCAVATION METHOD: 4' x 4' Trench

LONGITUDE: _____ **LATITUDE:** _____ **WATER:** **DEPTH:** _____ **TIME:** _____

CHECKED BY: _____ **NOT ENCOUNTERED** ☑

DEPTH (FT.)	PID (ppm)	USCS	DESCRIPTION
2	0		**Test pit located near apparent former structure, east of holder foundation.** 0-3' Black SANDY FILL with brick, bottles and assorted debris. Wall is made of concrete and brick, possibly a footer for a former unknown structure.
4			
6			
8			
10			

MWH

MWH TEST PIT LOG

PROJECT NAME: Niagara Mohawk- Former MGP LOCATION: Canal St.- Fort Edward, NY TEST PIT ID: TP-4

GEOLOGIST/ENGINEER: John Santacroce DATE: 6/3/03

DRILLERS NAME/COMPANY: ADT SHEET 1 of 1

EQUPMENT USED: Bobcat Excavator

EXCAVATION METHOD: 4' x 4' Trench

LONGITUDE: LATITUDE: WATER: DEPTH: 6' TIME:

CHECKED BY: NOT ENCOUNTERED ☐

DEPTH (FT.)	PID (ppm)	USCS	DESCRIPTION
0			**Test pit located in fill slope south of house.**
	0		0-3' FILL with mostly slag, some ash, 4" clay pipe found at 3' bgs part of fill material.
2			3-5' Tan SILTY SAND FILL, some brick, concrete, and other debris, some black staining.
4			
	0		5-6' SILTY SAND stained blue-green
6			6-7.5' Coarse SAND, heavy blue-green stain, wet
	0		
8			
10			

MWH

MWH TEST PIT LOG

PROJECT NAME: Niagara Mohawk- Former MGP LOCATION: Canal St.- Fort Edward, NY TEST PIT ID: TP-1

GEOLOGIST/ENGINEER: John Santacroce DATE: 6/3/03

DRILLERS NAME/COMPANY: ADT SHEET 1 of 1

EQUPMENT USED: Bobcat Excavator

EXCAVATION METHOD: Trench

LONGITUDE: LATITUDE: WATER: DEPTH: TIME:

NOT ENCOUNTERED ☑

CHECKED BY:

DEPTH (FT.)	PID (ppm)	USCS	DESCRIPTION
	0		**Test pit located North-west of holder foundation.** 0-6" Topsoil
	0		2-4' Fill SAND with some ash and brick. Holder foundation is aproximately 1' thick concrete with limestone fotters extending to 2.3' bgs.
2	0		2-4' Tan SILTY SAND, tight, trace clay, dry
4	0		4-6' Coarse moist SAND, some medium sand
6			
8			
10			

FIGURES

TABLES

Table 5-1
Surface Soils - TCL SVOCs

Analyte	RSCO	Location ID Sample Date Units	SS01 06/03/2003	SS02 06/03/2003	SS03 06/04/2003	SS04 06/04/2003	SS05 06/04/2003	SS06 06/04/2003	SS07 06/04/2003	SS08 06/05/2003	SS09 06/05/2003	SS10 06/05/2003	SS11 06/09/2003	SS11 SS11-DUP 06/09/2003	SS12 06/12/2003	SS13 06/12/2003	SS13 SS13-DUP 6/12/2003
2,4,5-Trichlorophenol	0.1	mg/Kg	1 U	1.4 U	1 U	0.97 U	1.1 U	0.071 J	1.1 U	1.2 U	1.1 U	1.2 U	0.89 U	0.92 U	1.2 U	1 U	1.1 U
2,4,6-Trichlorophenol	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
2,4-Dichlorophenol	0.4	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
2,4-Dimethylphenol	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
2,4-Dinitrophenol	0.2	mg/Kg	1 UV	1.4 UV	1 UV	0.97 UV	1.1 UV	1.1 UV	1.1 UV	1.2 UV	1.1 UV	1.2 UV	0.89 UV	0.92 UV	1.2 UV	1 UV	1.1 UV
2,4-Dinitrotoluene	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
2,6-dinitrotoluene	1.	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
2-Chloronaphthalene	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
2-Chlorophenol	0.8	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
2-Methylnaphthalene	36.4	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.15 J	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
2-Methylphenol (o-cresol)	0.1	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
2-Nitroaniline	0.43	mg/Kg	1 U	1.4 U	1 U	0.97 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	0.89 U	0.92 U	1.2 U	1 U	1.1 U
2-Nitrophenol	0.33	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
3,3'-Dichlorobenzidine	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 UV
3-Nitroaniline	0.5	mg/Kg	1 U	1.4 U	1 U	0.97 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	0.89 U	0.92 U	1.2 U	1 U	1.1 U
4,6-Dinitro-2-methylphenol	-	mg/Kg	1 UV	1.4 UV	1 UV	0.97 UV	1.1 UV	1.1 UV	1.1 UV	1.2 UV	1.1 UV	1.2 UV	0.89 UV	0.92 UV	1.2 UV	1 UV	1.1 UV
4-Bromophenyl phenyl ether	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
4-Chloro-3-methylphenol	0.24	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
4-Chloroaniline	0.22	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
4-Chlorophenyl phenyl ether	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
4-Nitroaniline	-	mg/Kg	1 U	1.4 U	1 U	0.97 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	0.89 U	0.92 U	1.2 U	1 U	1.1 UV
4-Nitrophenol	0.1	mg/Kg	1 U	1.4 U	1 U	0.97 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	0.89 UV	0.92 UV	1.2 UV	1 UV	1.1 UV
Acenaphthene	50	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.26 J	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.055 J	0.41 U	0.43 U
Acenaphthylene	41	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	1.2	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Acetophenone	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	1.0	0.42 U	0.46 U	0.13 J	0.37 U	0.47 U	0.41 U	0.43 U
Anthracene	50	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	7.2 D	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Atrazine	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Benzaldehyde	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 UV	0.37 U	0.47 U	0.41 U	0.43 U
Benzo(a)anthracene	0.224	mg/Kg	0.4 U	0.57 U	0.081 J	0.091 J	0.1 J	9.5 D	0.44 U	0.12 J	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.077 J	0.051 V
Benzo(a)pyrene	0.061	mg/Kg	0.4 U	0.57 U	0.4 U	0.089 J	0.083 J	7.9 D	0.44 U	0.094 J	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.075 V	0.057 V
Benzo(b)fluoranthene	1.1	mg/Kg	0.4 U	0.57 U	0.095 J	0.1 J	0.087 J	8.3 D	0.44 U	0.12 J	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.1 V	0.43 UV
Benzo(g,h,i)perylene	50	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	1.5	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 UV	0.43 UV
Benzo(k)fluoranthene	0.224	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	3.1	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 UV	0.43 UV
Biphenyl (diphenyl)	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.11 J	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
bis(2-Chloroethoxy) methane	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
bis(2-Chloroethyl) ether	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
bis(2-Chloroisopropyl) ether	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Caprolactam	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Carbazole	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.74	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Chrysene	0.4	mg/Kg	0.4 U	0.57 U	0.079 J	0.081 J	0.084 J	8.2 D	0.44 U	0.11 J	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.097 J	0.07 V
Cresols, M & P	0.9	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Di-n-butyl phthalate	8.1	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Dibenz(a,h)anthracene	0.014	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.92	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 UV	0.43 UV
Dibenzofuran	6.2	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.88	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Diethyl phthalate	7.1	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Fluoranthene	50	mg/Kg	0.4 U	0.57 U	0.14 J	0.12 J	0.17 J	24 D	0.44 U	0.17 J	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.11 J	0.43 U
Fluorene	50	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	1.8	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Hexachlorobenzene	0.41	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 UV	0.37 U	0.47 U	0.41 U	0.43 U
Hexachlorobutadiene	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 UV	0.37 UV	0.47 UV	0.41 UV	0.43 U
Hexachlorocyclopentadiene	-	mg/Kg	0.4 UV	0.57 UV	0.4 UV	0.38 UV	0.44 UV	0.44 UV	0.44 UV	0.47 UV	0.42 U	0.46 UV	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Hexachloroethane	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Indeno(1,2,3-c,d)pyrene	3.2	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	2.9 JD	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 UV	0.43 UV
Isophorone	4.4	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
n-Nitrosodi-n-propylamine	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
n-Nitrosodiphenylamine	-	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Naphthalene	13	mg/Kg	0.4 U	0.57 U	0.4 U	0.1 J	0.44 U	0.46	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Nitrobenzene	0.2	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Pentachlorophenol	1.	mg/Kg	1 U	1.4 U	1 U	0.97 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	0.89 U	0.92 UV	1.2 UV	1 UV	1.1 U
Phenanthrene	50	mg/Kg	0.4 U	0.57 U	0.072 J	0.38 U	0.046 J	14 D	0.44 U	0.056 J	0.42 U	0.46 U	0.35 U	0.37 U	0.13 J	0.41 U	0.43 U
Phenol	0.03	mg/Kg	0.4 U	0.57 U	0.4 U	0.38 U	0.44 U	0.44 U	0.44 U	0.47 U	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.41 U	0.43 U
Pyrene	50	mg/Kg	0.4 U	0.57 U	0.11 J	0.13 J	0.16 J	18 D	0.44 U	0.17 J	0.42 U	0.46 U	0.35 U	0.37 U	0.47 U	0.14 J	0.43 UV
Total SVOCs	-	mg/Kg	BDL	BDL	0.577 J	0.711 J	0.730 J	111.2 JD	BDL	1.84 J	BDL	BDL	0.13 J	BDL	0.185 J	0.599 JV	0.178 V
Total PAHs		mg/Kg	BDL	BDL	0.577 J	0.711 J	0.730 J	109.4 JD	BDL	0.840 J	BDL	BDL	BDL	BDL	0.185 J	0.599 JV	0.178 J
cPAHs	-	mg/Kg	BDL	BDL	0.255 J	0.361 J	0.354 J	40.8 J	BDL	0.444 J	BDL	BDL	BDL	BDL	BDL	0.349 JV	0.108 V

DUP = Field Duplicate Sample; J = Estimated value, D = Diluted sample; U = Not detected at laboratory reporting limit; V = Estimated value based on validation criteria; BDL = Result Below Detection/Reporting Limit

Table 5-2
Surface Soils - TAL Metals

Analyte	RSCO	Location ID Sample Date Units	SS01 06/03/2003	SS02 06/03/2003	SS03 06/04/2003	SS04 06/04/2003	SS05 06/04/2003	SS06 06/04/2003	SS07 06/04/2003	SS08 06/05/2003	SS09 06/05/2003	SS10 06/05/2003	SS11 06/09/2003	SS11 SS11-DUP 06/09/2003	SS12 06/12/2003	SS13 06/12/2003	SS13 SS13-DUP 06/12/2003
Aluminum	33,000	mg/Kg	2,910	8,220	13,500	4,840	9,730	10,300	10,800	6,360	7,440 *	9,130	7,670	8,030	9,610	5,290	5,440
Antimony	-	mg/Kg	14.5 U	20.3 U	14.3 U	13.8 U	1.3 J	16 U	16 U	11.8 U	14.9 U	16.7 U	12.9 UN	13.5 UN	16.6 UN	14.9 UN	15.8 UN
Arsenic	7.5	mg/Kg	1.2 J	8.6	4.3	3	6	6.1	6.2	4.5	2.1 J	3.9	2.8	2.7	2.8	3.1	3.3
Barium	300	mg/Kg	27.7 J	96.5	113	52.8	59.5	69.4	63.5	61.4	52.4 N*	107	56.9	58.9	69.2	59.6	61.9
Beryllium	0.16	mg/Kg	0.16 J	0.39 J	0.59 J	0.29 J	0.46 J	0.43 J	0.49 J	0.31 J	0.4 J	0.43 J	0.4 J	0.43 J	0.53 J	0.28 J	0.27 J
Cadmium	10	mg/Kg	0.18 J	0.51 J	0.33 J	0.4 J	0.16 J	1.3 U	1.3 U	0.09 J	0.14 J	1.9	1.1 U	1.1 U	1.4 U	0.41 J	0.42 J
Calcium	-	mg/Kg	82,300	5,200	7,890	26,100	1,730	1,930	1,830	2,550	1,820 *	4,250	1,930	2,270	2,990	5,220	5,230
Chromium, total	50	mg/Kg	3.6	9.6	22.5	5.4	8.3	8.8	9.2	5	5.8 *	13.1	7.7	8.1	9.7	8.7	8.8
Cobalt	30	mg/Kg	2.1 J	4.9 J	11.5 J	4 J	4.4 J	4.7 J	4.8 J	2.8 J	3.8 J	6.6 J	4.4 J	4.8 J	5.4 J	4.2 J	4 J
Copper	25	mg/Kg	8.5	19.3	17.7	16	10.7	14.2	11.3	5.5	6.3	13.2	7.6	8.1	11.2	17.8	18
Iron	2,000	mg/Kg	6,080	14,100	21,800	10,000	13,700	16,600	15,200	13,500	10,400	13,000	13,500	15,800	18,400	10,900	11,200
Lead	-	mg/Kg	143	228	59.9	62.1	44.3	50.7	45.3	35.9	18	136	20.7 N	20.1 N	26.8 N	107 N	112 N
Magnesium	-	mg/Kg	6,610	1,340 J	5,390	9,390	1,200 J	1,320 J	1,360	876 J	1,200 J	1,340 J	1,010 J	1,100 J	1,350 J	1,570	1,690
Manganese	-	mg/Kg	141	310	704	258	204	217	210	307	203	211	362	434	382	235	232
Mercury	0.1	mg/Kg	0.12 U	0.2	0.14	0.14	0.14	0.18	0.13 U	0.09 U	0.12 U	0.28	0.1 U	0.11 U	0.13 U	0.12 U	0.12
Nickel	13	mg/Kg	4.8 J	12.7 J	19.1	8.6 J	5.4 J	5.7 J	5.8 J	3.8 J	5 J	6.1 J	4.2 J	4.8 J	5.8 J	6.7 J	7.4 J
Potassium	43,000	mg/Kg	358 J	440 J	1,570	671 J	171 J	204 J	194 J	221 J	316 V	369 J	199 JE	217 JE	245 JE	375 JE	384 JE
Selenium	2	mg/Kg	0.82 J	2.2	2.3	1 J	2.1	1.8	1.9	0.98 U	1.2 U	1.9	1.1 U	1.1 U	1.4 U	1.2 U	1.3 U
Silver	-	mg/Kg	2.4 UN	0.54 JN	0.45 JN	2.3 UN	2.6 UN	0.71 V	2.7 UN	2 UN	2.5 U	2.8 UN	2.2 UN	2.2 UN	2.8 UN	2.5 UN	2.6 UN
Sodium	-	mg/Kg	1,210 U	1,690 U	1,200 U	95.8 J	1,290 U	1,330 U	1,330 U	81.4 J	1,240 U	1,390 U	113 J	1,120 U	1,390 U	168 J	156 J
Thallium	-	mg/Kg	2.4 U	3.4 U	2.4 U	2.3 U	2.6 U	2.7 U	2.7 U	2 U	2.5 U	2.8 U	2.2 U	2.2 U	2.8 U	2.5 U	2.6 U
Vanadium	150	mg/Kg	8.1 J	22.5	30	11.2 J	20.6	21	22.4	15	15.2	20.9	18.9	21.6	25.4	15.6	16.3
Zinc	20	mg/Kg	43.9 E	173 E	131 E	211 E	47.4 E	50.9 V	56.8 E	56.2	51	202 E	35.7 E	48.9 E	64.6 E	274 E	172 E

DUP = Field Duplicate Sample; J = Estimated value, D = Diluted sample; U = Not detected at laboratory reporting limit; V = Estimated value based on validation criteria; BDL = Result Below Reporting Limit

Table 5-3
Surface Soils- Total Organic Carbon

Sample ID	SS01-02	SS02-01	SS03-01	SS04-01	SS05-01	SS06-01	SS07-01
Sample Date	6/3/2003	6/3/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003
TOC (mg/kg)	4,000	4,500	2,500	5,800	2,700	5,000	4,200

Sample ID	SS08-01	SS09-01	SS10-01	SS09-01	SS12-01	SS13-02
Sample Date	6/5/2003	6/5/2003	6/5/2003	6/9/2003	6/12/2003	6/12/2003
TOC (mg/kg)	5,700	4,400	5,700	3,900	4,800	3,400

Table 5-4
Subsurface Soils- TCL VOCs

Analyte	RSCO	Location ID	SB03	SB04		SB05	SB07	SB08	SB09	SB10	SB11
		Field ID	SB03-02-6-8	SB04-07-26-28	SB04-07-26-28-DUP	SB05-07-28-30	SB07-07-32-34	SB08-01-1.5-3.5	SB09-06-30-32	SB10-01-2-4	SB11-06-32-34
		Sample Date	06/05/2003	06/06/2003	06/06/2003	06/09/2003	06/10/2003	06/10/2003	06/11/2003	06/11/2003	06/12/2003
		Units									
1,1,1-Trichloroethane	0.8	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
1,1,2,2-Tetrachloroethane	0.6	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
1,1,2-Trichloroethane	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
1,1,2-Trichlorotrifluoroethane	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
1,1-Dichloroethane	0.2	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
1,1-Dichloroethene	0.4	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
1,2,4-Trichlorobenzene	3.4	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
1,2-Dibromo-3-chloropropane	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
1,2-Dibromoethane (ethylene Dibromide)	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
1,2-Dichlorobenzene	7.9	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
1,2-Dichloroethane	0.1	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
1,2-Dichloropropane	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
1,3-Dichlorobenzene	1.6	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
1,4-Dichlorobenzene	8.5	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
2-Butanone	-	mg/Kg	0.012 UV	0.013 UV	0.013 UV	0.013 UV	0.013 UV	0.011 UV	0.012 UV	0.012 UV	0.013 UV
2-Hexanone	-	mg/Kg	0.012 UV	0.013 UV	0.013 UV	0.013 UV	0.013 UV	0.011 UV	0.012 UV	0.012 UV	0.013 UV
4-Methyl-2-pentanone	1.0	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Acetone	0.2	mg/Kg	0.012 UV	0.013 UV	0.013 UV	0.013 UV	0.013 UV	0.011 UV	0.012 UV	0.012 UV	0.013 UV
Benzene	0.06	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Bromodichloromethane	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Bromoform	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 UV	0.013 UV	0.011 UV	0.012 UV	0.012 UV	0.013 UV
Bromomethane	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Carbon disulfide	2.7	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Carbon tetrachloride	0.6	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Chlorobenzene	1.7	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Chloroethane	1.9	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Chloroform	0.3	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Chloromethane	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
cis-1,2-Dichloroethylene	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
cis-1,3-Dichloropropene	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Cyclohexane	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Dibromochloromethane	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Dichlorodifluoromethane	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Ethylbenzene	5.5	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Isopropylbenzene (Cumene)	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
m,p-Xylene	1.2	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Methyl Acetate	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Methyl tert-butyl Ether	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Methylcyclohexane	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Methylene chloride	0.1	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
o-Xylene	1.2	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Styrene	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Tetrachloroethylene (PCE)	1.4	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Toluene	1.5	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
trans-1,2-Dichloroethene	0.3	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
trans-1,3-Dichloropropene	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Trichloroethylene (TCE)	0.7	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Trichlorofluoromethane	-	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Vinyl chloride	0.2	mg/Kg	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U
Total BTEX	-	mg/Kg	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCS	-	mg/Kg	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

DUP = Field Duplicate Sample; J = Estimated value, D = Diluted sample; U = Not detected at laboratory reporting limit; V = Estimated value based on validation criteria; BDL = Result Below Reporting Limit

Table 5-5
Subsurface Soils - BTEX

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB01				
			SB01-02-8-10 06/04/2003	SB01-03-14-16 06/04/2003	SB01-04-20-22 06/04/2003	SB01-05-24-26 06/04/2003	SB01-06-28-30 06/04/2003
Benzene	0.06	mg/Kg	0.0068 U	0.006 U	0.006 U	0.006 U	0.0058 UV
Ethylbenzene	5.5	mg/Kg	0.0068 U	0.006 U	0.006 U	0.006 U	0.0058 UV
m,p-Xylene	1.2	mg/Kg	0.0068 U	0.006 U	0.006 U	0.006 U	0.0058 UV
o-Xylene	1.2	mg/Kg	0.0068 U	0.006 U	0.006 U	0.006 U	0.0058 UV
Toluene	1.5	mg/Kg	0.0068 U	0.006 U	0.006 U	0.006 U	0.0058 UV
Total BTEX	-	mg/Kg	BDL	BDL	BDL	BDL	BDL

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB02				
			SB02-02-8-10 06/05/2003	SB02-03-12-14 06/05/2003	SB02-04-16-18 06/05/2003	SB02-05-20-22 06/05/2003	SB02-06-26-28 06/05/2003
Benzene	0.06	mg/Kg	0.0063 U	0.006 U	0.0057 UV	0.0064 U	0.0066 UV
Ethylbenzene	5.5	mg/Kg	0.0063 U	0.006 U	0.0057 UV	0.0064 U	0.0066 UV
m,p-Xylene	1.2	mg/Kg	0.0063 U	0.006 U	0.0057 UV	0.0064 U	0.0066 UV
o-Xylene	1.2	mg/Kg	0.0063 U	0.006 U	0.0057 UV	0.0064 U	0.0066 UV
Toluene	1.5	mg/Kg	0.0063 U	0.006 U	0.0057 UV	0.0064 U	0.0066 UV
Total BTEX	-	mg/Kg	BDL	BDL	BDL	BDL	BDL

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB03				
			SB03-03-8-10 06/05/2003	SB03-04-14-16 06/05/2003	SB03-05-18-20 06/05/2003	SB03-06-24-26 06/05/2003	SB03-07-28-30 06/05/2003
Benzene	0.06	mg/Kg	0.0062 U	0.0059 U	0.006 U	0.0061 U	0.006 U
Ethylbenzene	5.5	mg/Kg	0.0062 U	0.0059 U	0.006 U	0.0061 U	0.006 U
m,p-Xylene	1.2	mg/Kg	0.0062 U	0.0059 U	0.006 U	0.0061 U	0.006 U
o-Xylene	1.2	mg/Kg	0.0062 U	0.0059 U	0.006 U	0.0061 U	0.006 U
Toluene	1.5	mg/Kg	0.0062 U	0.0059 U	0.006 U	0.0061 U	0.006 U
Total BTEX	-	mg/Kg	BDL	BDL	BDL	BDL	BDL

DUP = Field Duplicate Sample; J = Estimated value, D = Diluted sample; U = Not detected at laboratory reporting limit, V = Estimated value based on validation criteria; BDL = Result Below Reporting Limit

Table 5-5
Subsurface Soils - BTEX

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB04				
			SB04-02-8-10 06/06/2003	SB04-03-12-14 06/06/2003	SB04-04-16-18 06/06/2003	SB04-05-20-22 06/06/2003	SB04-06-24-26 06/06/2003
Benzene	0.06	mg/Kg	0.0061 U	0.01	0.014	0.003 J	0.0057 U
Ethylbenzene	5.5	mg/Kg	0.0061 U	0.006 U	0.0058 U	0.0062 U	0.0057 U
m,p-Xylene	1.2	mg/Kg	0.0061 U	0.006 U	0.0058 U	0.0062 U	0.0057 U
o-Xylene	1.2	mg/Kg	0.0061 U	0.006 U	0.0058 U	0.0062 U	0.0057 U
Toluene	1.5	mg/Kg	0.0061 U	0.006 U	0.0058 U	0.0062 U	0.0057 U
Total BTEX	-	mg/Kg	BDL	0.01	0.014	0.003 J	BDL

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB05					
			SB05-02-6-8 06/09/2003	SB05-03-10-12 06/09/2003	SB05-04-14-16 06/09/2003	SB05-05-20-22 06/09/2003	SB05-05-20-22-DUP 06/09/2003	SB05-06-26-28 06/09/2003
Benzene	0.06	mg/Kg	0.0063 U	0.006 U	0.006 U	0.006 U	0.006 U	0.0068 U
Ethylbenzene	5.5	mg/Kg	0.0063 U	0.006 U	0.006 U	0.006 U	0.006 U	0.0068 U
m,p-Xylene	1.2	mg/Kg	0.0063 U	0.006 U	0.006 U	0.006 U	0.006 U	0.0068 U
o-Xylene	1.2	mg/Kg	0.0063 U	0.006 U	0.006 U	0.006 U	0.006 U	0.0068 U
Toluene	1.5	mg/Kg	0.0063 U	0.006 U	0.006 U	0.006 U	0.006 U	0.0068 U
Total BTEX	-	mg/Kg	BDL	BDL	BDL	BDL	BDL	BDL

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB06				
			SB06-02-6-8 06/09/2003	SB06-03-10-12 06/09/2003	SB06-04-16-18 06/09/2003	SB06-05-22-24 06/09/2003	SB06-05-28-30 06/09/2003
Benzene	0.06	mg/Kg	0.0063 U	0.006 U	0.0059 U	0.0061 U	0.0062 U
Ethylbenzene	5.5	mg/Kg	0.0063 U	0.006 U	0.0059 U	0.0061 U	0.0062 U
m,p-Xylene	1.2	mg/Kg	0.0063 U	0.006 U	0.0059 U	0.0061 U	0.0062 U
o-Xylene	1.2	mg/Kg	0.0063 U	0.006 U	0.0059 U	0.0061 U	0.0062 U
Toluene	1.5	mg/Kg	0.0063 U	0.006 U	0.0059 U	0.0061 U	0.0062 U
Total BTEX	-	mg/Kg	BDL	BDL	BDL	BDL	BDL

DUP = Field Duplicate Sample; J = Estimated value, D = Diluted sample; U = Not detected at laboratory reporting limit; V = Estimated value based on validation criteria; BDL = Result Below Reporting Limit

Table 5-5
Subsurface Soils - BTEX

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB07				
			SB07-02-10-12 06/10/2003	SB07-03-14-16 06/10/2003	SB07-04-18-20 06/10/2003	SB07-05-24-26 06/10/2003	SB07-06-28-30 06/10/2003
Benzene	0.06	mg/Kg	0.0059 U	0.006 U	0.006 U	0.0057 U	0.0062 U
Ethylbenzene	5.5	mg/Kg	0.0059 U	0.006 U	0.006 U	0.0057 U	0.0062 U
m,p-Xylene	1.2	mg/Kg	0.0059 U	0.006 U	0.006 U	0.0057 U	0.0062 U
o-Xylene	1.2	mg/Kg	0.0059 U	0.006 U	0.006 U	0.0057 U	0.0062 U
Toluene	1.5	mg/Kg	0.0059 U	0.006 U	0.006 U	0.0057 U	0.0062 U
Total BTEX	-	mg/Kg	BDL	BDL	BDL	BDL	BDL

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB08 SB08-02-5.5-7.5-DUP 06/10/2003
Benzene	0.06	mg/Kg	0.006 U
Ethylbenzene	5.5	mg/Kg	0.006 U
m,p-Xylene	1.2	mg/Kg	0.006 U
o-Xylene	1.2	mg/Kg	0.006 U
Toluene	1.5	mg/Kg	0.006 U
Total BTEX	-	mg/Kg	BDL

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB09				
			SB09-02-6-8 06/11/2003	SB09-03-12-14 06/11/2003	SB09-04-16-18 06/11/2001	SB09-05-22-24 06/11/2003	SB09-07-32-34 06/11/2003
Benzene	0.06	mg/Kg	0.0059 U	0.006 U	0.006 U	0.0057 U	0.0068 U
Ethylbenzene	5.5	mg/Kg	0.0059 U	0.006 U	0.006 U	0.0057 U	0.0068 U
m,p-Xylene	1.2	mg/Kg	0.0059 U	0.006 U	0.006 U	0.0057 U	0.0068 U
o-Xylene	1.2	mg/Kg	0.0059 U	0.006 U	0.006 U	0.0057 U	0.0068 U
Toluene	1.5	mg/Kg	0.0059 U	0.006 U	0.006 U	0.0057 U	0.0068 U
Total BTEX	-	mg/Kg	BDL	BDL	BDL	BDL	BDL

DUP = Field Duplicate Sample; J = Estimated value, D = Diluted sample; U = Not detected at laboratory reporting limit; V = Estimated value based on validation criteria; BDL = Result Below Reporting Limit

Table 5-5
Subsurface Soils - BTEX

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB10				
			SB10-03-10-12 06/11/2003	SB10-04-16-18 06/11/2003	SB10-05-22-24 06/11/2003	SB10-06-28-30 06/11/2003	SB10-07-30-32 06/11/2003
Benzene	0.06	mg/Kg	0.0063 U	0.0058 U	0.006 U	0.0057 U	0.0068 U
Ethylbenzene	5.5	mg/Kg	0.0063 U	0.0058 U	0.006 U	0.0057 U	0.0068 U
m,p-Xylene	1.2	mg/Kg	0.0063 U	0.0058 U	0.006 U	0.0057 U	0.0068 U
o-Xylene	1.2	mg/Kg	0.0063 U	0.0058 U	0.006 U	0.0057 U	0.0068 U
Toluene	1.5	mg/Kg	0.0063 U	0.0058 U	0.006 U	0.0057 U	0.0068 U
Total BTEX	-	mg/Kg	BDL	BDL	BDL	BDL	BDL

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB11					
			SB11-02-6-8 06/12/2003	SB11-03-14-16 06/12/2003	SB11-04-18-20 06/12/2003	SB11-05-22-24 06/12/2003	SB11-07-38-40 06/12/2003	SB11-07-38-40-DUP-RE 06/12/2003
Benzene	0.06	mg/Kg	0.006 U	0.0059 U	0.0059 U	0.006 U	0.007 UV	0.0072 UV
Ethylbenzene	5.5	mg/Kg	0.006 U	0.0059 U	0.0059 U	0.006 U	0.007 UV	0.0072 UV
m,p-Xylene	1.2	mg/Kg	0.006 U	0.0059 U	0.0059 U	0.006 U	0.007 UV	0.0072 UV
o-Xylene	1.2	mg/Kg	0.006 U	0.0059 U	0.0059 U	0.006 U	0.007 UV	0.0072 UV
Toluene	1.5	mg/Kg	0.006 U	0.0059 U	0.0059 U	0.006 U	0.007 UV	0.0072 UV
Total BTEX	-	mg/Kg	BDL	BDL	BDL	BDL	BDL	BDL

DUP = Field Duplicate Sample; J = Estimated value, D = Diluted sample; U = Not detected at laboratory reporting limit; V = Estimated value based on validation criteria; BDL = Result Below Reporting Limit

Table 5-6
Subsurface Soils - TCL SVOCs

Analyte	RSCO	Location ID Field ID Sample Date Units	SB03 SB03-02-6-8 06/05/2003	SB04 SB04-07-26-28 06/06/2003	SB04 SB04-07-26-28-DUP 06/06/2003	SB05 SB05-07-28-30 06/09/2003	SB07 SB07-07-32-34 06/10/2003	SB08 SB08-01-1.5-3.5 06/10/2003	SB09 SB09-06-30-32 06/11/2003	SB10 SB10-01-2-4 06/11/2003	SB11 SB11-06-32-34 06/12/2003
2,4,5-Trichlorophenol	0.1	mg/Kg	1 U	1.1 U	1 U	1.1 U	1.1 U	0.92 U	0.99 U	1 U	1.1 U
2,4,6-Trichlorophenol	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
2,4-Dichlorophenol	0.4	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
2,4-Dimethylphenol	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
2,4-Dinitrophenol	0.2	mg/Kg	1 UV	1.1 UV	1 UV	1.1 UV	1.1 UV	0.92 UV	0.99 UV	1 UV	1.1 UV
2,4-Dinitrotoluene	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
2,6-dinitrotoluene	1.0	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
2-Chloronaphthalene	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
2-Chlorophenol	0.8	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
2-Methylnaphthalene	36.4	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
2-Methylphenol (o-cresol)	0.1	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
2-Nitroaniline	0.43	mg/Kg	1 U	1.1 U	1 U	1.1 U	1.1 U	0.92 U	0.99 U	1 U	1.1 U
2-Nitrophenol	0.33	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
3,3'-Dichlorobenzidine	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
3-Nitroaniline	0.5	mg/Kg	1 U	1.1 U	1 U	1.1 U	1.1 U	0.92 U	0.99 U	1 U	1.1 U
4,6-Dinitro-2-methylphenol	-	mg/Kg	1 UV	1.1 UV	1 UV	1.1 UV	1.1 UV	0.92 UV	0.99 UV	1 UV	1.1 UV
4-Bromophenyl phenyl ether	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
4-Chloro-3-methylphenol	0.24	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
4-Chloroaniline	0.22	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
4-Chlorophenyl phenyl ether	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
4-Nitroaniline	-	mg/Kg	1 U	1.1 U	1 U	1.1 U	1.1 U	0.92 U	0.99 U	1 U	1.1 U
4-Nitrophenol	0.1	mg/Kg	1 U	1.1 U	1 U	1.1 UV	1.1 UV	0.92 UV	0.99 UV	1 UV	1.1 UV
Acenaphthene	50	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Acenaphthylene	41	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Acetophenone	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Anthracene	50	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Atrazine	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Benzaldehyde	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Benzo(a)anthracene	0.224	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Benzo(a)pyrene	0.061	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Benzo(b)fluoranthene	1.1	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Benzo(g,h,i)perylene	50	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Benzo(k)fluoranthene	0.224	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Biphenyl (diphenyl)	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
bis(2-Chloroethoxy) methane	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
bis(2-Chloroethyl) ether	-	mg/Kg	0.4 UV	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
bis(2-Chloroisopropyl) ether	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Caprolactam	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Carbazole	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Chrysene	0.4	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Cresols, M & P	0.9	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Di-n-butyl phthalate	8.1	mg/Kg	**0.046 J**	0.43 U	0.41 U	**0.059 J**	0.43 U	**0.039 J**	0.39 U	0.4 U	**0.058 J**
Dibenz(a,h)anthracene	0.014	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Dibenzofuran	6.2	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Diethyl phthalate	7.1	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	**0.05 J**	0.39 U	0.4 U	0.42 U
Fluoranthene	50	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Fluorene	50	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Hexachlorobenzene	0.41	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Hexachlorobutadiene	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 UV	0.37 UV	0.39 UV	0.4 UV	0.42 UV
Hexachlorocyclopentadiene	-	mg/Kg	0.4 UV	0.43 UV	0.41 UV	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Hexachloroethane	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Indeno(1,2,3-c,d)pyrene	3.2	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Isophorone	4.4	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
n-Nitrosodi-n-propylamine	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
n-Nitrosodiphenylamine	-	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Naphthalene	13	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Nitrobenzene	0.2	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Pentachlorophenol	1.0	mg/Kg	1 U	1.1 U	1 U	1.1 UV	1.1 UV	0.92 UV	0.99 UV	1 UV	1.1 UV
Phenanthrene	50	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Phenol	0.03	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Pyrene	50	mg/Kg	0.4 U	0.43 U	0.41 U	0.43 U	0.43 U	0.37 U	0.39 U	0.4 U	0.42 U
Total SVOCs	500	mg/Kg	**0.046 J**	BDL	BDL	**0.059 J**	BDL	**0.089 J**	BDL	BDL	**0.058 J**
Total PAHs	-	mg/Kg	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

DUP = Field Duplicate Sample; J = Estimated value, D = Diluted sample; U = Not detected at laboratory reporting limit; V = Estimated value based on validation criteria; BDL = Result Below Reporting Limit

Table 5-7
Subsurface Soils - PAHs

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB01						SB02						SB03
			SB01-01-4-6 06/04/2003	SB01-02-8-10 06/04/2003	SB01-03-14-16 06/04/2003	SB01-04-20-22 06/04/2003	SB01-05-24-26 06/04/2003	SB01-06-28-30 06/04/2003	SB02-01-4-6 06/05/2003	SB02-02-8-10 06/05/2003	SB02-03-12-14 06/05/2003	SB02-04-16-18 06/05/2003	SB02-05-20-22 06/05/2003	SB02-06-26-28 06/05/2003	SB03-01-2-4 06/05/2003
Acenaphthene	50	mg/Kg	0.4 U	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U
Acenaphthylene	41	mg/Kg	0.4 U	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U
Anthracene	50	mg/Kg	0.4 U	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U
Benzo(a)anthracene	0.224	mg/Kg	0.4 U	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U
Benzo(a)pyrene	0.061	mg/Kg	0.4 U	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U
Benzo(b)fluoranthene	1.1	mg/Kg	0.4 U	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U
Benzo(g,h,i)perylene	50	mg/Kg	0.4 U	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U
Benzo(k)fluoranthene	0.224	mg/Kg	0.4 U	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U
Chrysene	0.4	mg/Kg	0.4 U	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U
Dibenz(a,h)anthracene	0.014	mg/Kg	0.4 U	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U
Fluoranthene	50	mg/Kg	0.4 U	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U
Fluorene	50	mg/Kg	0.4 U	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U
Indeno(1,2,3-c,d)pyrene	3.2	mg/Kg	0.4 U	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U
Naphthalene	13	mg/Kg	0.4 U	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U
Phenanthrene	50	mg/Kg	0.4 U	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U
Pyrene	50	mg/Kg	0.041 J	0.44 U	0.4 U	0.39 U	0.39 U	0.38 U	0.4 U	0.42 U	0.39 U	0.38 U	0.42 U	0.43 U	0.4 U

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB03					SB04						SB05	
			SB03-03-8-10 06/05/2003	SB03-04-14-16 06/05/2003	SB03-05-18-20 06/05/2003	SB03-06-24-26 06/05/2003	SB03-07-28-30 06/05/2003	SB04-01-2-4 06/06/2003	SB04-02-8-10 06/06/2003	SB04-03-12-14 06/06/2003	SB04-04-16-18 06/06/2003	SB04-05-20-22 06/06/2003	SB04-06-24-26 06/06/2003	SB05-01-2-4 06/09/2003	SB05-02-6-8 06/09/2003
Acenaphthene	50	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.4 U	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U
Acenaphthylene	41	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.4 U	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U
Anthracene	50	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.4 U	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U
Benzo(a)anthracene	0.224	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.4 U	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U
Benzo(a)pyrene	0.061	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.4 U	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U
Benzo(b)fluoranthene	1.1	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.4 U	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U
Benzo(g,h,i)perylene	50	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.4 U	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U
Benzo(k)fluoranthene	0.224	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.4 U	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U
Chrysene	0.4	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.4 U	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U
Dibenz(a,h)anthracene	0.014	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.4 U	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U
Fluoranthene	50	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.4 U	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U
Fluorene	50	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.046 J	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U
Indeno(1,2,3-c,d)pyrene	3.2	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.4 U	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U
Naphthalene	13	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.4 U	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U
Phenanthrene	50	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.4 U	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U
Pyrene	50	mg/Kg	0.41 U	0.38 U	0.39 U	0.4 U	0.4 U	0.45 U	0.4 U	0.4 U	0.38 U	0.4 U	0.38 U	0.38 U	0.41 U

DUP = Field Duplicate Sample; J = Estimated value, D = Diluted sample; U = Not detected at laboratory reporting limit; V = Estimated value based on validation criteria; BDL = Result Below Reporting Limit

Table 5-7
Subsurface Soils - PAHs

Analyte	RSCO	Location ID	SB05					SB06						SB07	
		Field ID	SB05-03-10-12	SB05-04-14-16	SB05-05-20-22	SB05-05-20-22-DUP	SB05-06-26-28	SB06-01-0-2	SB06-02-6-8	SB06-03-10-12	SB06-04-16-18	SB06-05-22-24	SB06-05-28-30	SB07-01-4-6	SB07-02-10-12
		Sample Date	06/09/2003	06/09/2003	06/09/2003	06/09/2003	06/09/2003	06/09/2003	06/09/2003	06/09/2003	06/09/2003	06/09/2003	06/09/2003	06/10/2003	06/10/2003
		Units													
Acenaphthene	50	mg/Kg	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.47 U	0.41 U	0.4 U	0.39 U	0.4 U	0.41 U	0.41 U	0.39 U
Acenaphthylene	41	mg/Kg	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.47 U	0.41 U	0.4 U	0.39 U	0.4 U	0.41 U	0.41 U	0.39 U
Anthracene	50	mg/Kg	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.47 U	0.41 U	0.4 U	0.39 U	0.4 U	0.41 U	0.41 U	0.39 U
Benzo(a)anthracene	0.224	mg/Kg	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.47 U	0.41 U	0.4 U	0.39 U	0.4 U	0.41 U	0.41 U	0.39 U
Benzo(a)pyrene	0.061	mg/Kg	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.47 U	0.41 U	0.4 U	0.39 U	0.4 U	0.41 U	0.41 UV	0.39 U
Benzo(b)fluoranthene	1.1	mg/Kg	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.47 U	0.41 U	0.4 U	0.39 U	0.4 U	0.41 U	0.41 UV	0.39 U
Benzo(g,h,i)perylene	50	mg/Kg	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.47 U	0.41 U	0.4 U	0.39 U	0.4 U	0.41 U	0.41 UV	0.39 U
Benzo(k)fluoranthene	0.224	mg/Kg	0.39 U	0.39 UV	0.39 UV	0.39 UV	0.44 UV	0.47 UV	0.41 UV	0.4 UV	0.39 UV	0.4 UV	0.41 UV	0.41 UV	0.39 U
Chrysene	0.4	mg/Kg	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.47 U	0.41 U	0.4 U	0.39 U	0.4 U	0.41 U	0.41 U	0.39 U
Dibenz(a,h)anthracene	0.014	mg/Kg	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.47 U	0.41 U	0.4 U	0.39 U	0.4 U	0.41 U	0.41 UV	0.39 U
Fluoranthene	50	mg/Kg	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.47 U	0.41 U	0.4 U	0.39 U	0.4 U	0.41 U	0.41 U	0.39 U
Fluorene	50	mg/Kg	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.47 U	0.41 U	0.4 U	0.39 U	0.4 U	0.41 U	0.41 U	0.39 U
Indeno(1,2,3-c,d)pyrene	3.2	mg/Kg	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.47 U	0.41 U	0.4 U	0.39 U	0.4 U	0.41 U	0.41 U	0.39 U
Naphthalene	13	mg/Kg	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.47 U	0.41 U	0.4 U	0.39 U	0.4 U	0.41 U	0.41 U	0.39 U
Phenanthrene	50	mg/Kg	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.47 U	0.41 U	0.4 U	0.39 U	0.4 U	0.41 U	0.41 U	0.39 U
Pyrene	50	mg/Kg	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.47 U	0.41 U	0.4 U	0.39 U	0.4 U	0.41 U	0.41 U	0.39 U

Analyte	RSCO	Location ID	SB07				SB08		SB09					
		Field ID	SB07-03-14-16	SB07-04-18-20	SB07-05-24-26	SB07-06-28-30	SB08-02-5.5-7.5	SB08-02-5.5-7.5-DUP	SB09-01-0-2	SB09-02-6-8	SB09-03-12-14	SB09-04-16-18	SB09-05-22-24	SB09-07-32-34
		Sample Date	06/10/2003	06/10/2003	06/10/2003	06/10/2003	06/10/2003	06/10/2003	06/11/2003	06/11/2003	06/11/2003	06/11/2001	06/11/2003	06/11/2003
		Units												
Acenaphthene	50	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	0.36 U	0.39 U	0.39 U	0.39 U	0.38 U	0.45 U
Acenaphthylene	41	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	**0.08 J**	0.39 U	0.39 U	0.39 U	0.38 U	0.45 U
Anthracene	50	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	**0.055 J**	0.39 U	0.39 U	0.39 U	0.38 U	0.45 U
Benzo(a)anthracene	0.224	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	**0.25 J**	0.39 U	0.39 U	0.39 U	0.38 U	0.45 U
Benzo(a)pyrene	0.061	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	**0.3 J**	0.39 U	0.39 U	0.39 U	0.38 U	0.45 U
Benzo(b)fluoranthene	1.1	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	**0.3 J**	0.39 U	0.39 U	0.39 U	0.38 U	0.45 U
Benzo(g,h,i)perylene	50	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	**0.24 J**	0.39 U	0.39 U	0.39 U	0.38 U	0.45 U
Benzo(k)fluoranthene	0.224	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	**0.25 J**	0.39 U	0.39 UV	0.39 UV	0.38 UV	0.45 UV
Chrysene	0.4	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	**0.27 J**	0.39 U	0.39 U	0.39 U	0.38 U	0.45 U
Dibenz(a,h)anthracene	0.014	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	**0.058 J**	0.39 U	0.39 U	0.39 U	0.38 U	0.45 U
Fluoranthene	50	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	**0.41**	0.39 U	0.39 U	0.39 U	0.38 U	0.45 U
Fluorene	50	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	0.36 U	0.39 U	0.39 U	0.39 U	0.38 U	0.45 U
Indeno(1,2,3-c,d)pyrene	3.2	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	**0.21 J**	0.39 U	0.39 U	0.39 U	0.38 U	0.45 U
Naphthalene	13	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	0.36 U	0.39 U	0.39 U	0.39 U	0.38 U	0.45 U
Phenanthrene	50	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	**0.15 J**	0.39 U	0.39 U	0.39 U	0.38 U	0.45 U
Pyrene	50	mg/Kg	0.39 U	0.39 U	0.37 U	0.41 U	0.4 U	0.39 U	**0.35 J**	0.39 U	0.39 U	0.39 U	0.38 U	0.45 U

DUP = Field Duplicate Sample; J = Estimated value, D = Diluted sample; U = Not detected at laboratory reporting limit; V = Estimated value based on validation criteria; BDL = Result Below Reporting Limit

Table 5-8
Subsurface Soils - TAL Metals

Analyte	TAGM 4046 Eastern USA Background	RSCO	Location ID Field ID Sample Date Units	SB03 SB03-02-6-8 06/05/2003	SB04 SB04-07-26-28 06/06/2003	SB04 SB04-07-26-28-DUP 06/06/2003	SB05 SB05-07-28-30 06/09/2003	SB07 SB07-07-32-34 06/10/2003	SB08 SB08-01-1.5-3.5 06/10/2003	SB09 SB09-06-30-32 06/11/2003	SB10 SB10-01-2-4 06/11/2003	SB11 SB11-06-32-34 06/12/2003
Aluminum	33000	SB	mg/Kg	2,570	9,730	7,550	6,120	13,000	8,500	2,600	8,110	4,600
Antimony	n/a	SB	mg/Kg	14.8 U	15.8 U	14.9 U	15.3 UN	15.5 UN	13.1 UN	14.5 UN	14.2 UN	15.4 UV
Arsenic	3 - 12	7.5 or SB	mg/Kg	2.5 U	1.6 J	2.1 J	1.8 J	2.6 J	1.3 J	2.6	4.9	1.2 J
Barium	15 - 600	300 or SB	mg/Kg	21.8 J	109	89.1	70.6	164	32.9 J	22.8 J	84.6	53.1
Beryllium	0 - 1.75	0.16 or SB	mg/Kg	0.17 J	0.52 J	0.41 J	0.33 J	0.65 J	0.38 J	0.19 J	0.45 J	0.25 J
Cadmium	0.1 - 1	10	mg/Kg	1.2 U	1.3 U	1.2 U	1.3 U	1.3 U	1.1 U	1.2 U	1.2 U	1.3 U
Calcium	130-35,000	SB	mg/Kg	1,340	21,400	20,000	16,400	21,700	1,950	1,680	4,690	6,910
Chromium, total	1.5 - 40	50	mg/Kg	3.7	13.9	11	9.8	20.9	7.2	4.3	6.8	7.2
Cobalt	2.5 - 60	30 or SB	mg/Kg	2.8 J	10.5 J	8.4 J	7.8 J	12.1 J	4.9 J	4.9 J	4.7 J	6 J
Copper	1 - 50	25 or SB	mg/Kg	3.2 J	16.8	14.3	14.2	23.2	5.7	13.3	6.8	12.8
Iron	2,000-550,000	2,000 or SB	mg/Kg	4,710	22,000	17,900	14,500	30,800	13,600	6,210	12,200	12,600
Lead	400*	400*	mg/Kg	2.4	6.1	7.1	3.7 N	8.5 N	2.2 N	5.2 N	11.3 N	4.2 V
Magnesium	100 - 5,000	SB	mg/Kg	1110 J	8,450	7,460	6,190	9,830	1,340	1,790	1,420	4,060
Manganese	50 - 5,000	SB	mg/Kg	22.9	417	380	280	529	201	44	254	174
Mercury	0.001 - 0.2	0.1	mg/Kg	0.12 U	0.13 U	0.13 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U	0.13 U
Nickel	0.5 - 25	13 or SB	mg/Kg	3.2 J	20.7	16.4	14.1	25.6	6.2 J	9.1 J	7.9 J	11.2
Potassium	8,500-43,000	SB	mg/Kg	139 J	1,490	1,130 J	879 JE	4,140 E	309 JE	550 JE	318 JE	1,320 V
Selenium	0.1 - 3.9	2 or SB	mg/Kg	1.2 U	1.3 U	1.2 U	1.3 U	1.3 U	1.1 U	1.2 U	1.2 U	1.3 U
Silver	n/a	SB	mg/Kg	2.5 UV	2.6 UN	2.5 UN	2.5 UN	2.6 UN	2.2 UN	2.4 UN	2.4 UN	2.6 UV
Sodium	6,000-8,000	SB	mg/Kg	101 J	117 J	249 J	125 J	2,400	92.4 J	323 J	1,180 U	892 J
Thallium	n/a	SB	mg/Kg	2.5 U	2.6 U	2.5 U	2.5 U	2.6 U	2.2 U	2.4 U	2.4 U	2.6 U
Vanadium	1 - 300	150 or SB	mg/Kg	13.4	23.8	16.9	15.8	27.5	22.4	8 J	17.8	12.8
Zinc	18507	20 or SB	mg/Kg	25	53.4	44.9	43.7 E	62.4 E	31 E	37.9 E	38 E	34.5 V

DUP = Field Duplicate Sample; J = Estimated val
* - USEPA's Interim Lead Hazard Guidance (1
SB - Site Background
n/a - Not Available

D = Diluted sample; U = Not detected at laboratory reporting limit; V = Estimated value based on validation criteria; BDL = Result Below Reporting Limit
1994) established a residential screening level of 400 ppm

Table 5-8a
Subsurface Soils - Cyanide

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB01						SB02					
			SB01-01-4-6 6/4/2003	SB01-02-8-10 6/4/2003	SB01-03-14-16 6/4/2003	SB01-04-20-22 6/4/2003	SB01-05-24-26 6/4/2003	SB01-06-28-30 6/4/2003	SB02-01-4-6 6/5/2003	SB02-02-8-10 6/5/2003	SB02-03-12-14 6/5/2003	SB02-04-16-18 6/5/2003	SB02-05-20-22 6/5/2003	SB02-06-26-28 6/5/2003
Cyanide	n/a	mg/kg	0.612 U	0.680 U	0.602 U	0.604 U	0.603 U	0.579 U	0.617 U	0.636 U	0.600 U	0.575 U	0.644 U	0.662 U
Amenable Cyanide	n/a	mg/kg	0.61 U	0.68 U	0.60 U	0.60 U	0.60 U	0.58 U	0.62 U	0.64 U	0.60 U	0.57 U	0.64 U	0.66 U

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB03						SB04					
			SB03-01-2-4 6/5/2003	SB03-03-8-10 6/5/2003	SB03-04-14-16 6/5/2003	SB03-05-18-20 6/5/2003	SB03-06-24-26 6/5/2003	SB03-07-28-30 6/5/2003	SB04-01-2-4 6/6/2003	SB04-02-8-10 6/6/2003	SB04-03-12-14 6/6/2003	SB04-04-16-18 6/6/2003	SB04-05-20-22 6/6/2003	SB04-06-26-28 6/6/2003
Cyanide	n/a	mg/kg	0.605 U	0.627 U	0.587 U	0.605 U	0.608 U	0.604 U	0.688 U	0.608 U	0.604 U	0.581 U	0.616 U	0.577 U
Amenable Cyanide	n/a	mg/kg	0.60 U	0.63 U	0.59 U	0.60 U	0.61 U	0.60 U	0.69 U	0.61 U	0.60 U	0.58 U	0.62 U	0.58 U

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB05							SB06					
			SB05-01-2-4 6/9/2003	SB05-02-6-8 6/9/2003	SB05-03-10-12 6/9/2003	SB05-04-14-16 6/9/2003	SB05-05-20-22 6/9/2003	SB05-05-20-22FD 6/9/2003	SB05-06-26-28 6/9/2003	SB06-01-0-2 6/9/2003	SB06-02-6-8 6/9/2003	SB06-03-10-12 6/9/2003	SB06-04-16-18 6/9/2003	SB06-05-22-24 6/9/2003	SB06-06-28-30 6/9/2003
Cyanide	n/a	mg/kg	0.587 U	0.631 U	0.592 U	0.599 U	0.600 U	0.600 U	0.679 U	0.711 U	0.631 U	0.600 U	0.590 U	0.609 U	0.622 U
Amenable Cyanide	n/a	mg/kg	0.59 U	0.63 U	0.59 U	0.60 U	0.60 U	0.60 U	0.68 U	0.71 U	0.63 U	0.60 U	0.59 U	0.61 U	0.62 U

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB07						SB08	
			SB07-01-4-6 6/10/2003	SB07-02-10-12 6/10/2003	SB07-03-14-16 6/10/2003	SB07-04-18-20 6/10/2003	SB07-05-24-25 6/10/2003	SB05-07-28-30 6/10/2003	SB08-02-5.5-7.5 6/10/2003	SB08-02-5.5-7.5FD 6/10/2003
Cyanide	n/a	mg/kg	0.623 U	0.590 U	0.598 U	0.600 U	0.569 U	0.616 U	0.611 U	0.602 U
Amenable Cyanide	n/a	mg/kg	0.62 U	0.59 U	0.60 U	0.60 U	0.57 U	0.62 U	0.61 U	0.60 U

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB09						SB10					
			SB09-01-0-2 6/11/2003	SB09-02-6-8 6/11/2003	SB09-03-12-14 6/11/2003	SB09-04-16-18 6/11/2003	SB09-05-22-24 6/11/2003	SB09-07-32-34 6/11/2003	SB10-02-4-6 6/11/2003	SB10-03-10-12 6/11/2003	SB10-04-14-16 6/11/2003	SB10-05-22-24 6/11/2003	SB10-06-28-30 6/11/2003	SB10-07-30-32 6/12/2003
Cyanide	n/a	mg/kg	0.550 U	0.591 U	0.599 U	0.599 U	0.577 U	0.690 U	0.614 U	0.632 U	0.583 U	0.595 U	0.577 U	0/687 U
Amenable Cyanide	n/a	mg/kg	0.55 U	0.59 U	0.60 U	0.60 U	0.58 U	0.69 U	0.61 U	0.63 U	0.58 U	0.59 U	0.58 U	0.69 U

Analyte	RSCO	Location ID / Field ID / Sample Date / Units	SB11						
			SB11-01-4-6 6/12/2003	SB11-02-6-8 6/12/2003	SB11-03-14-16 6/12/2003	SB11-04-18-20 6/12/2003	SB11-05-22-24 6/12/2003	SB11-07-38-40 6/12/2003	SB11-07-38-40FD 6/12/2003
Cyanide	n/a	mg/kg	0.612 U	0.593 U	0.587 U	0.587 U	0.594 U	0.703 U	0.727 U
Amenable Cyanide	n/a	mg/kg	0.61 U	0.59 U	0.59 U	0.59 U	0.59 U	0.70 U	0.73 U

n/a - Not Available
U - Not detected at Laboratory Reporting Limit
J - Estimated value

Analysis by Method SW 9012

Table 5-8b
Subsurface Soils- Total Organic Carbon

Analyte	RSCO	Sample ID Sample Date Units	SB01-02-8-10 6/4/2003	SB02-02-8-10 6/5/2003	SB03-03-8-10 6/5/2003	SB04-01-2-4 6/6/2003	SB05-01-2-4 6/9/2003	SB06-05-28-30 6/9/2003
Total Organic Carbon	-	mg/kg	5,100	3,600	4,100	3,300	5,000	7,400

Analyte	RSCO	Sample ID Sample Date Units	SB07-01-4-6 6/10/2003	SB08-01-1.5-3.5 6/10/2003	SB09-06-30-32 6/13/2003	SB10-01-2-4 6/11/2003	SB11-02-6-8 6/12/2003
Total Organic Carbon	-	mg/kg	3,300	4,600	3,100	5,700	3,500

Table 5-9
Geotechnical Parameters

Sample ID Sample Depth (Feet) Sample Date	SB-10 32-34 6/11/03	SB-11 42-44 6/12/03
Porosity	0.34	0.48
Permeability (cm/sec)	1.80E-05	4.60E-08
Bulk Density	106.42	83.79
Grain Size	*	**
USCS Classification	SC	SC
Atterberg Limits	12	11
% Moisture	19.47	35.34
Specific Gravity	2.59	2.56

* 0.6 % Gravel, 77% Sand, 22.4 % Fines
** 5.4 % Gravel, 86.1% Sand, 8.5% Fines

Table 5-10
Groundwater - TCL VOCs

Analyte	NYSDEC Std or GV	Loc Id Field Id Sample Date Units	MW01 MW01-01 06/23/2003	MW01 MW01-02 09/03/2003	MW02 MW02-01 06/23/2003	MW02 MW02-02 09/03/2003	MW02-DUP MW02-02-DUP 09/03/2003	MW03 MW03-01 06/23/2003	MW03-DUP MW03-01-DUP 06/23/2003	MW04 MW04-01 06/23/2003	MW04 MW04-02 09/03/2003
1,1,1-Trichloroethane	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	1	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichlorotrifluoroethane	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dibromo-3-chloropropane	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane (ethylene Dibromide)	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	3	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	0.6	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	1	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	3	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	3	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50	ug/L	10 UV	10 U	10 UV	10 U	10 U	10 UV	10 UV	10 UV	10 U
Benzene	1	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	50	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	50	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	60	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethylene	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene (Cumene)	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
m,p-Xylene	5	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Methyl Acetate	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl Ether	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
o-Xylene	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethylene (PCE)	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethylene (TCE)	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	-	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	2	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
VOCS, Total	-	ug/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

DUP = Field Duplicate Sample; J = Estimated value, D = Diluted sample; U = Not detected at laboratory reporting limit; V = Estimated value based on validation criteria; BDL = Result Below Reporting Limit

Table 5-11
Groundwater - TCL SVOCs

Analyte	NYSDEC Std. or GV	Loc Id Field Id Sample Date Units	MW01 MW01-01 06/23/2003	MW01 MW01-02 09/03/2003	MW02 MW02-01 06/23/2003	MW02 MW02-02 09/03/2003	MW02-DUP MW02-02-DUP 09/03/2003	MW03 MW03-01 06/23/2003	MW03-DUP MW03-01-DUP 06/23/2003	MW04 MW04-01 06/23/2003	MW04 MW04-02 09/03/2003
2,4,5-Trichlorophenol	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
2,4,6-Trichlorophenol	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
2,4-Dichlorophenol	5	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
2,4-Dimethylphenol	50	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
2,4-Dinitrophenol	10	ug/L	21 UV	21 U	21 UV	20 U	21 U	21 UV	21 UV	21 UV	21 U
2,4-Dinitrotoluene	5	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
2,6-dinitrotoluene	5	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
2-Chloronaphthalene	10	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
2-Chlorophenol	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
2-Methylnaphthalene	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
2-Methylphenol (o-cresol)	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
2-Nitroaniline	5	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
2-Nitrophenol	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
3,3'-Dichlorobenzidine	5	ug/L	21 U	21 U	21 U	20 U	21 U	21 U	21 U	21 U	21 U
3-Nitroaniline	5	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
4,6-Dinitro-2-methylphenol	-	ug/L	21 UV	21 U	21 UV	20 U	21 U	21 UV	21 UV	21 UV	21 U
4-Bromophenyl phenyl ether	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
4-Chloro-3-methylphenol	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
4-Chloroaniline	5	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
4-Chlorophenyl phenyl ether	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
4-Nitroaniline	5	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
4-Nitrophenol	-	ug/L	21 U	21 U	21 U	20 U	21 U	21 U	21 U	21 U	21 U
Acenaphthene	20	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Acenaphthylene	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Acetophenone	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Anthracene	50	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Atrazine	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Benzaldehyde	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Benzo(a)anthracene	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Benzo(a)pyrene	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Benzo(b)fluoranthene	0.002	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Benzo(g,h,i)perylene	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Benzo(k)fluoranthene	0.002	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Biphenyl (diphenyl)	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
bis(2-Chloroethoxy) methane	5	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
bis(2-Chloroethyl) ether	1	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
bis(2-Chloroisopropyl) ether	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Caprolactam	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Carbazole	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Chrysene	0.002	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Cresols, M & P	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Di-n-butyl phthalate	50.	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Dibenz(a,h)anthracene	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Dibenzofuran	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Diethyl phthalate	50	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Fluoranthene	50	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Fluorene	50	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Hexachlorobenzene	0.04	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Hexachlorobutadiene	0.05	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Hexachlorocyclopentadiene	5	ug/L	10 U	10 U	11 UV	10 U	10 U	10 U	10 U	11 UV	10 U
Hexachloroethane	5	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Indeno(1,2,3-c,d)pyrene	0.002	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Isophorone	50	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
n-Nitrosodi-n-propylamine	-	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
n-Nitrosodiphenylamine	50	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Naphthalene	10	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Nitrobenzene	0.4	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Pentachlorophenol	1	ug/L	21 U	21 U	21 U	20 U	21 U	21 U	21 U	21 U	21 U
Phenanthrene	50	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
Phenol	1	ug/L	10 U	**7.6 J**	11 U	10 U	10 U	10 U	10 U	11 U	**7.1 J**
Pyrene	50	ug/L	10 U	10 U	11 U	10 U	10 U	10 U	10 U	11 U	10 U
SVOCs, Total	-	ug/L	BDL	**7.6 J**	BDL	BDL	BDL	BDL	BDL	BDL	**7.1 J**

DUP = Field Duplicate Sample; J = Estimated value, D = Diluted sample; U = Not detected at laboratory reporting limit; V = Estimated value based on validation criteria; BDL = Result Below Reporting Limit

Table 5-12
Groundwater - TAL Metals

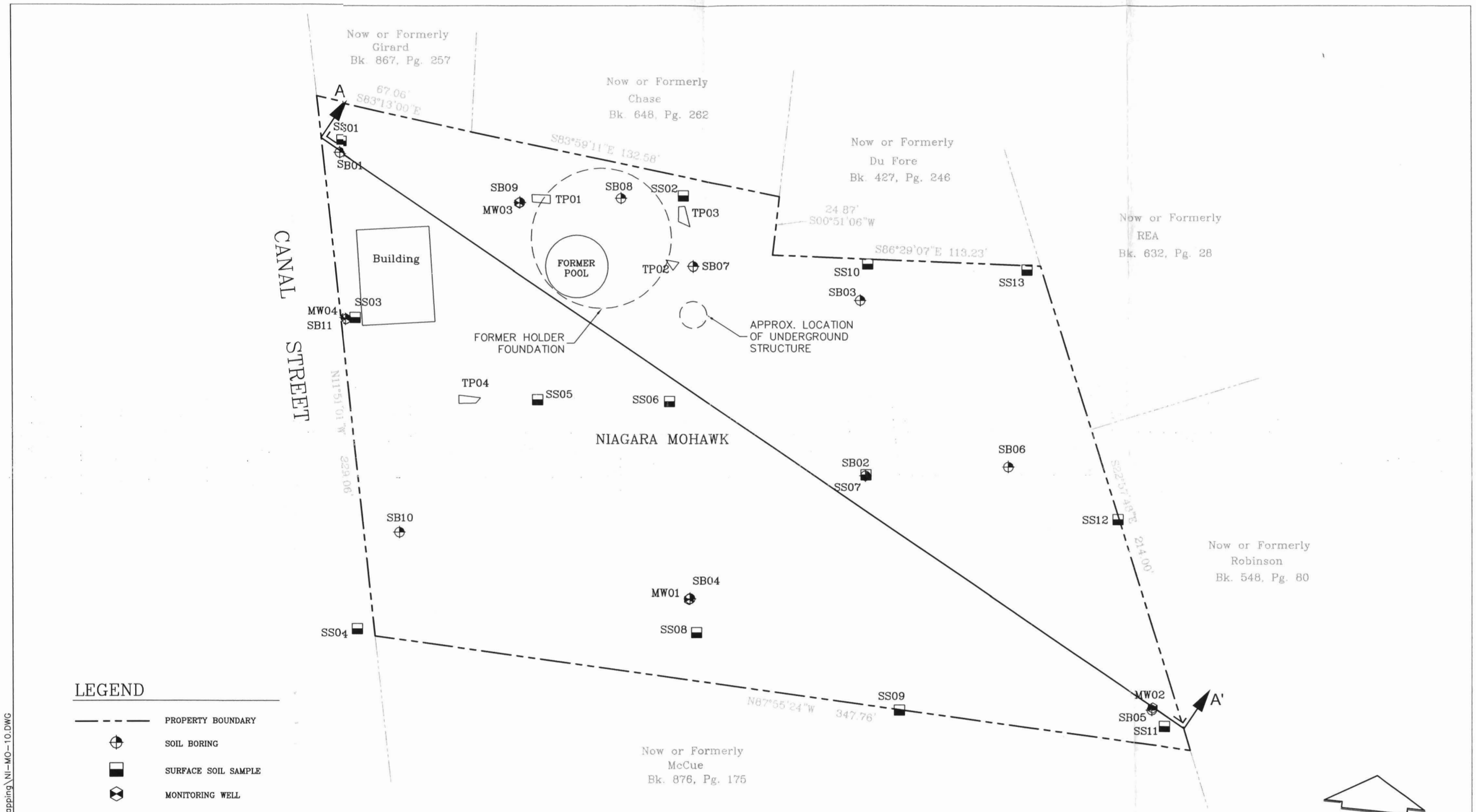
Analyte	NYSDEC Standard or GV	Location ID Field ID Sample Date Units	MW01 MW01-01 06/23/2003	MW01 MW01-02 09/03/2003	MW02 MW02-01 06/23/2003	MW02 MW02-02 09/03/2003	MW03 MW03-01 06/23/2003	MW03-DUP MW03-01-DUP 06/23/2003	MW04 MW04-01 06/23/2003	MW04 MW04-02 09/03/2003
Aluminum	100	ug/L	200 U	83.6 J	130 J	77.4 J	65.4 J	91.4 J	72.6 J	74.9 J
Antimony	3	ug/L	60 U	60 U	60 U	60 U	60 U	60 U	5.2 J	60 U
Arsenic	25	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	ug/L	232	196 J	119 J	99.9 J	241	243	357	295
Beryllium	3	ug/L	5 U	0.43 J	0.63 J	0.43 J	0.63 J	0.62 J	0.69 J	0.45 J
Cadmium	5	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium	n/a	ug/L	42700	35600	36100	30400	89900	88400	92500	82000
Chromium, total	50	ug/L	4.1 J	10 U	0.74 J	10 U	10 U	10 U	10 U	10 U
Cobalt	n/a	ug/L	50 U	50 U	0.74 J	50 U	50 U	0.84 J	50 U	50 U
Copper	200	ug/L	2.3 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300	ug/L	7860	6910	8980	7920	10100	10100	20400	16900
Lead	25	ug/L	3 U	2 J	3 U	3 U	3 U	3 U	3 U	2 J
Magnesium	35000	ug/L	7560 V	5680	7210 E	5980	14400 E	14300 E	20200 E	15800
Manganese	300	ug/L	453 V	354	230 E	193	967 E	941 E	971 E	784
Mercury	0.7	ug/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	ug/L	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U
Potassium	n/a	ug/L	5200 V	4250 JE	2130 JE	1770 JE	6220 E	6000 E	7240 E	6620 E
Selenium	10	ug/L	5 UN	5 U	5 UN	5 U	5 UN	5 UN	5 UN	5 U
Silver	50	ug/L	1.8 V	10 U	10 UN	10 U	10 UN	10 UN	10 UN	1.7 J
Sodium	20000	ug/L	7960	8470	4680 J	3890 J	51600	50800	50900	55800
Thallium	0.5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vanadium	n/a	ug/L	3.5 J	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Zinc	2000	ug/L	20.8	25.5	18.1 J	23	17.8 J	22.5	28.5	22.7

DUP = Field Duplicate Sample; J = Estimated value, D = Diluted sample; U = Not detected at laboratory reporting limit; V = Estimated value based on validation criteria; BDL = Result Below Reporting Limit

Table 5-13
Groundwater - Natural Attenuation Parameters

Analyte	Location ID Field ID Sample Date Units	MW01 MW01-01 06/23/2003	MW01 MW01-02 09/03/2003	MW02 MW02-01 06/23/2003	MW02 MW02-02 09/03/2003	MW03 MW03-01 06/23/2003	MW03-DUP MW03-01-DUP 06/23/2003	MW04 MW04-01 06/23/2003	MW04 MW04-02 09/03/2003
Alkalinity, total (as CaCO3)	mg/L	90	100	90	96	180	180	200	240
Ammonia	mg/L	0.6	-	0.67	-	0.32	0.2 U	0.31	-
Biologic oxygen demand, five day	mg/L	25	12	28	14	31	28	19	9.4
Carbon dioxide	mg/L	56	40	50	27	100	100	100	84
Chemical oxygen demand	mg/L	5 U	-	5 U	-	5 U	5 U	5 U	-
Chloride (as Cl)	mg/L	38	32	19	17	120	120	130	110
Cyanide	mg/L	0.063	-	0.02	-	0.01 U	0.01 U	0.01 U	-
Cyanide, amenable to chlorination	mg/L	0.01 U	-	0.01 U	-	0.01 U	0.01 U	0.01 U	-
Ferric Iron	mg/L	7.9	6.9	9	7.9	10.1	10.1	20.4	16.9
Ferrous Iron	mg/L	0.1 U	0.1 B	0.1 U	0.1 B	0.1 U	0.1 U	0.1 U	0.1 B
Methane	mg/L	0.01 U	0.08 U	0.01 U	0.05 U	0.01 U	0.01 U	0.01 U	0.04 U
Nitrate	mg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Phosphorus, total orthophosphate (as PO4)	mg/L	0.01 U	-	0.01 U	-	0.01 U	0.01 U	0.01 U	-
Sulfate (as SO4)	mg/L	280	27	19	14	77	47	130	140
Total dissolved solids	mg/L	341	257	220	198	697	692	781	604
Total Plate Count	c/1ml	150	66	410	3400	220	180	370	-

DUP = Field Duplicate Sample; J = Estimated value, D = Diluted sample; U = Not detected at laboratory reporting limit; V = Estimated value based on validation criteria; BDL = Result Below Reporting Limit



LEGEND

- PROPERTY BOUNDARY
- SOIL BORING
- SURFACE SOIL SAMPLE
- MONITORING WELL
- TEST PIT
- CROSS-SECTION LOCATION LINE

REFERENCES

1) MAP TITLED "MAP OF A SURVEY MADE FOR NIAGARA MOHAWK POWER CORP." BY VAN DUSEN & STEVES LAND SURVEYORS, LLC. DATED 11/20/2001,DWG. NO. 01248, S1.

REV	DATE	BY	DESCRIPTION

SCALE: 1"=40'

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DESIGNED: _____
DRAWN: _____
CHECKED: _____

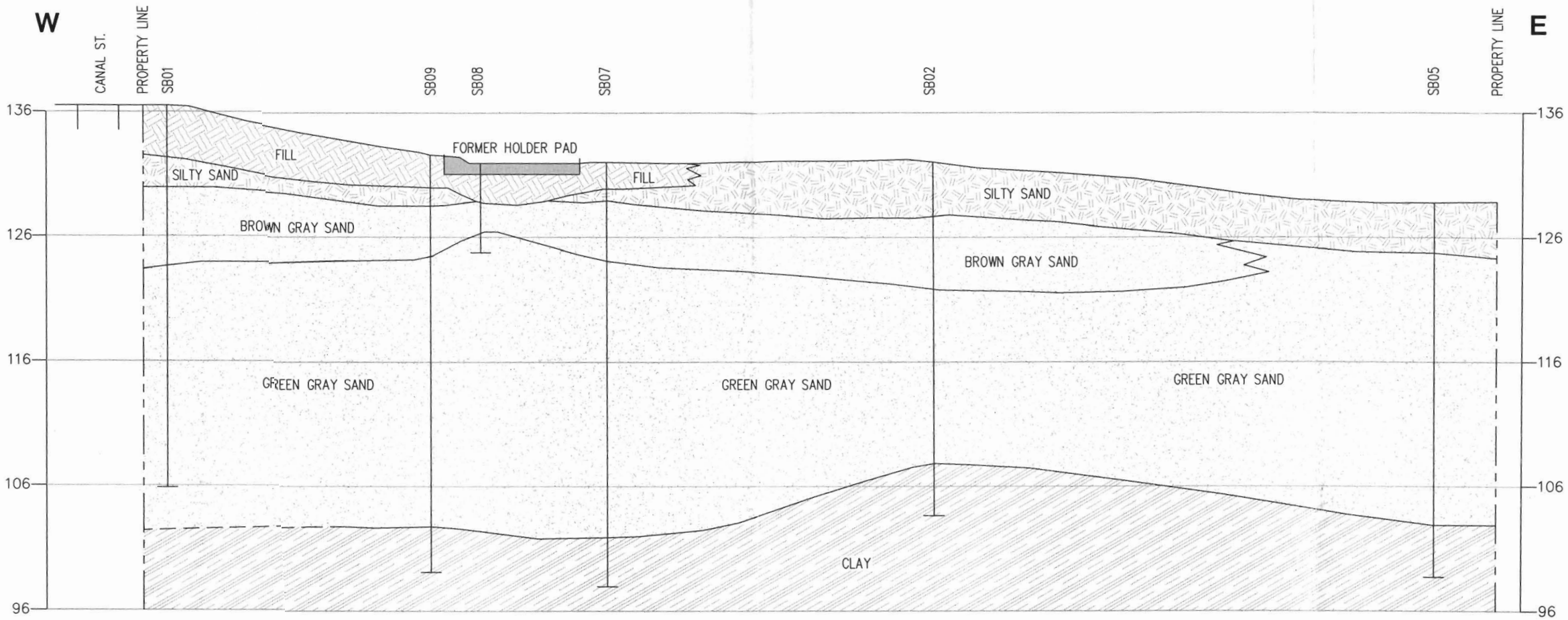
MWH Malvern Pennsylvania

NIAGARA MOHAWK
A NATIONAL GRID COMPANY
FT. EDWARD (CANAL STREET)

SITE PLAN

FIGURE 2-1

S:\ND PROJECTS\Niagara Mohawk\Mapping\NI-MO-10.DWG



0 10 20 40
SCALE: FEET
1"=40' HORZ

0
2.5
5
10
SCALE: FEET
1"=10' VERT.

S:\IND PROJECTS\Niagara Mohawk\Mapping\NI-MO-08.DWG

REV	DATE	BY	DESCRIPTION

SCALE: 1"=40'

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

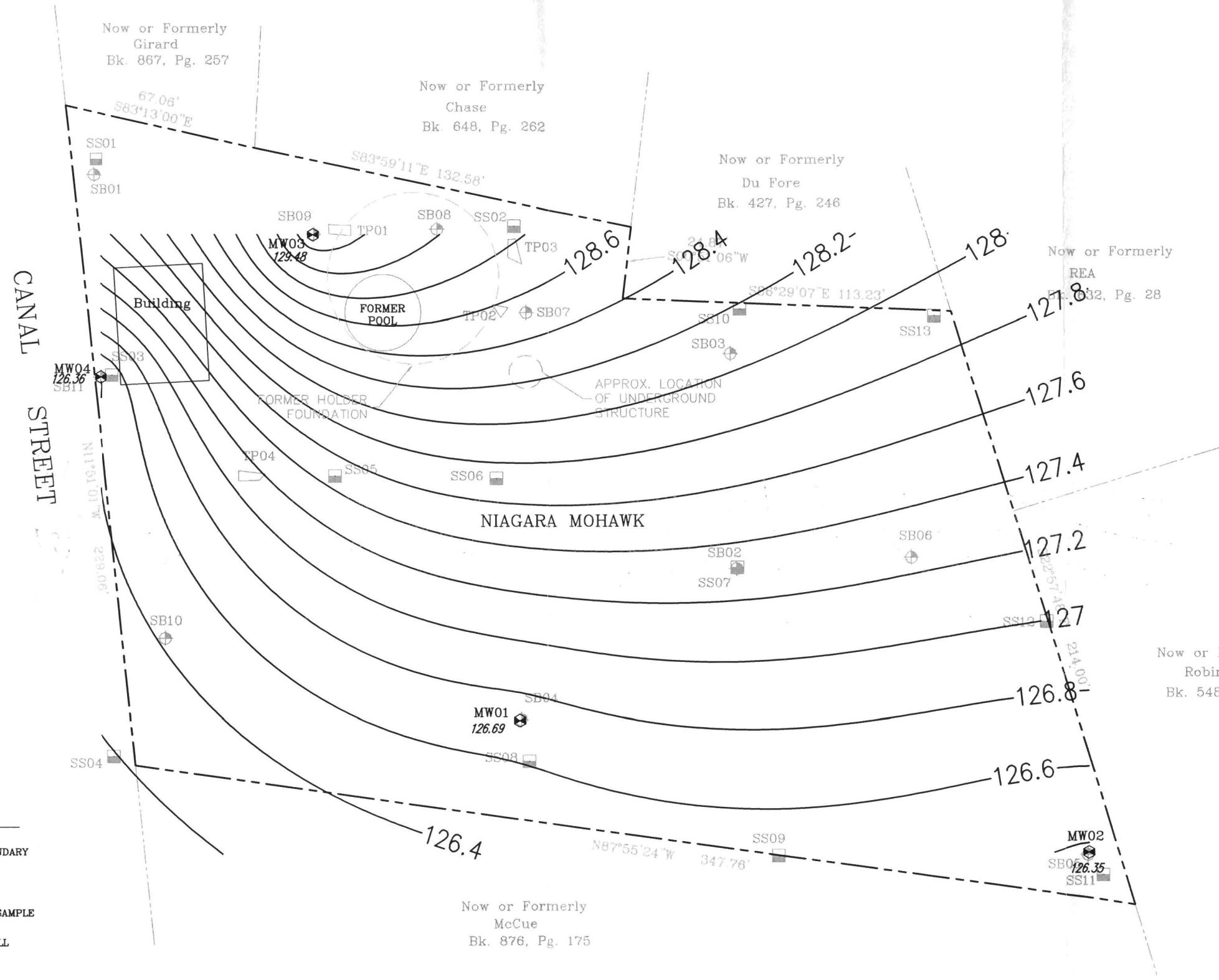
DESIGNED:
DRAWN:
CHECKED:

MWH Malvern Pennsylvania

NIAGARA MOHAWK
A NATIONAL GRID COMPANY
FT. EDWARD (CANAL STREET)

CROSS-SECTION

FIGURE
4-1



LEGEND

- PROPERTY BOUNDARY
- SOIL BORING
- SURFACE SOIL SAMPLE
- MONITORING WELL
- TEST PIT
- 126.4 — GROUNDWATER CONTOUR (FT. MSL)
- 126.69 — GROUNDWATER ELEVATION (FT. MSL)

REFERENCES

1) MAP TITLED "MAP OF A SURVEY MADE FOR NIAGARA MOHAWK POWER CORP." BY VAN DUSEN & STEVES LAND SURVEYORS, LLC. DATED 11/20/2001,DWG. NO. 01248, S1.

REV	DATE	BY	DESCRIPTION

SCALE: 1"=40'

WARNING 0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DESIGNED: _____
DRAWN: _____
CHECKED: _____

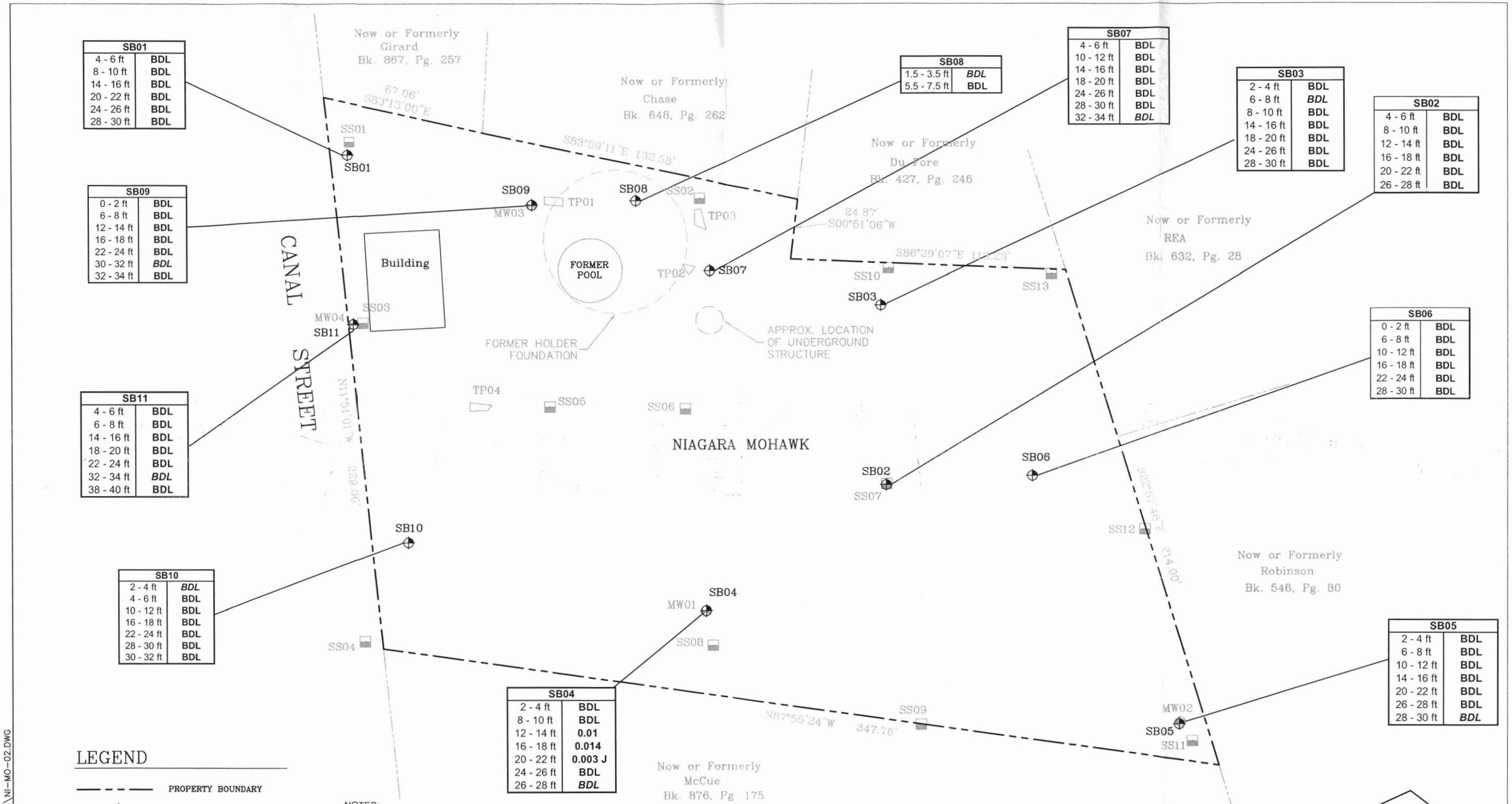
MWH Malvern Pennsylvania

NIAGARA MOHAWK
A NATIONAL GRID COMPANY
FT. EDWARD (CANAL STREET)

POTENTIOMETRIC SURFACE
GROUNDWATER MAP
6/23/03

FIGURE 4-2

S:\IND PROJECTS\Niagara Mohawk\Mapping\NI-MO-06.DWG



SB01	
4 - 6 ft	BDL
8 - 10 ft	BDL
14 - 16 ft	BDL
20 - 22 ft	BDL
24 - 26 ft	BDL
28 - 30 ft	BDL

SB09	
0 - 2 ft	BDL
6 - 8 ft	BDL
12 - 14 ft	BDL
16 - 18 ft	BDL
22 - 24 ft	BDL
30 - 32 ft	*BDL*
32 - 34 ft	BDL

SB11	
4 - 6 ft	BDL
6 - 8 ft	BDL
14 - 16 ft	BDL
18 - 20 ft	BDL
22 - 24 ft	BDL
32 - 34 ft	*BDL*
38 - 40 ft	BDL

SB10	
2 - 4 ft	*BDL*
4 - 6 ft	BDL
10 - 12 ft	BDL
16 - 18 ft	BDL
22 - 24 ft	BDL
28 - 30 ft	BDL
30 - 32 ft	BDL

SB04	
2 - 4 ft	BDL
8 - 10 ft	BDL
12 - 14 ft	0.01
16 - 18 ft	0.014
20 - 22 ft	0.003 J
24 - 26 ft	BDL
26 - 28 ft	*BDL*

SB08	
1.5 - 3.5 ft	*BDL*
5.5 - 7.5 ft	BDL

SB07	
4 - 6 ft	BDL
10 - 12 ft	BDL
14 - 16 ft	BDL
18 - 20 ft	BDL
24 - 26 ft	BDL
28 - 30 ft	BDL
32 - 34 ft	*BDL*

SB03	
2 - 4 ft	BDL
6 - 8 ft	*BDL*
8 - 10 ft	BDL
14 - 16 ft	BDL
18 - 20 ft	BDL
24 - 26 ft	BDL
28 - 30 ft	BDL

SB02	
4 - 6 ft	BDL
8 - 10 ft	BDL
12 - 14 ft	BDL
16 - 18 ft	BDL
20 - 22 ft	BDL
26 - 28 ft	BDL

SB06	
0 - 2 ft	BDL
6 - 8 ft	BDL
10 - 12 ft	BDL
16 - 18 ft	BDL
22 - 24 ft	BDL
28 - 30 ft	BDL

SB05	
2 - 4 ft	BDL
6 - 8 ft	BDL
10 - 12 ft	BDL
14 - 16 ft	BDL
20 - 22 ft	BDL
26 - 28 ft	BDL
28 - 30 ft	*BDL*

LEGEND

- PROPERTY BOUNDARY
- SOIL BORING
- SURFACE SOIL SAMPLE
- MONITORING WELL
- TEST PIT

NOTES:

1) BDL = BELOW DETECTION LIMIT
   J = ESTIMATED VALUE
   D = DILUTED SAMPLE
   U = NOT DETECTED AT LABORATORY REPORTING LIMIT
   V = ESTIMATED VALUE BASED ON VALIDATION CRITERIA

2) RESULTS SHOWN IN ***ITALICS*** INDICATE TOTAL VOC CONCENTRATIONS IN mg/kg.

3) RESULTS SHOWN IN BLOCK FONT INDICATE TOTAL BTEX CONCENTRATIONS IN mg/kg.

REFERENCES

1) MAP TITLED "MAP OF A SURVEY MADE FOR NIAGARA MOHAWK POWER CORP." BY VAN DUSEN & STEVES LAND SURVEYORS, LLC. DATED 11/20/2001,DWG. NO. 01248, S1.

REV	DATE	BY	DESCRIPTION

SCALE: 1"=40'

WARNING 0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DESIGNED: _____
DRAWN: _____
CHECKED: _____

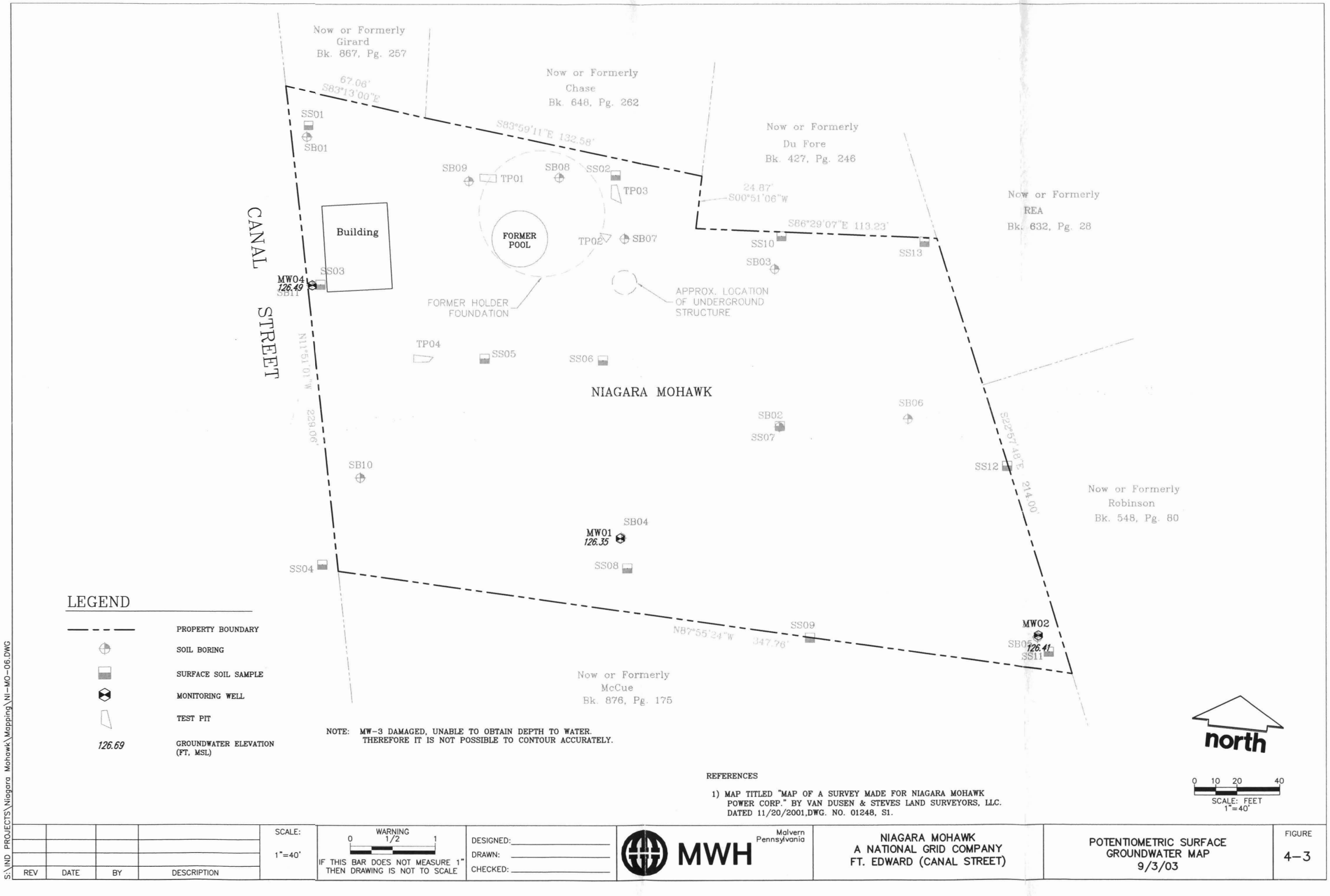
MWH Malvern Pennsylvania

NIAGARA MOHAWK
A NATIONAL GRID COMPANY
FT. EDWARD (CANAL STREET)

VOLATILE COMPOUNDS IN SUBSURFACE SOILS

FIGURE 5-2

S:\IND PROJECTS\Niagara Mohawk\Mapping\NI-MO-02.DWG



LEGEND

- PROPERTY BOUNDARY
- SOIL BORING
- SURFACE SOIL SAMPLE
- MONITORING WELL
- TEST PIT
- *126.69* GROUNDWATER ELEVATION (FT, MSL)

NOTE: MW-3 DAMAGED, UNABLE TO OBTAIN DEPTH TO WATER. THEREFORE IT IS NOT POSSIBLE TO CONTOUR ACCURATELY.

REFERENCES

1) MAP TITLED "MAP OF A SURVEY MADE FOR NIAGARA MOHAWK POWER CORP." BY VAN DUSEN & STEVES LAND SURVEYORS, LLC. DATED 11/20/2001,DWG. NO. 01248, S1.

REV	DATE	BY	DESCRIPTION

SCALE: 1"=40'

WARNING 0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DESIGNED: _____
DRAWN: _____
CHECKED: _____

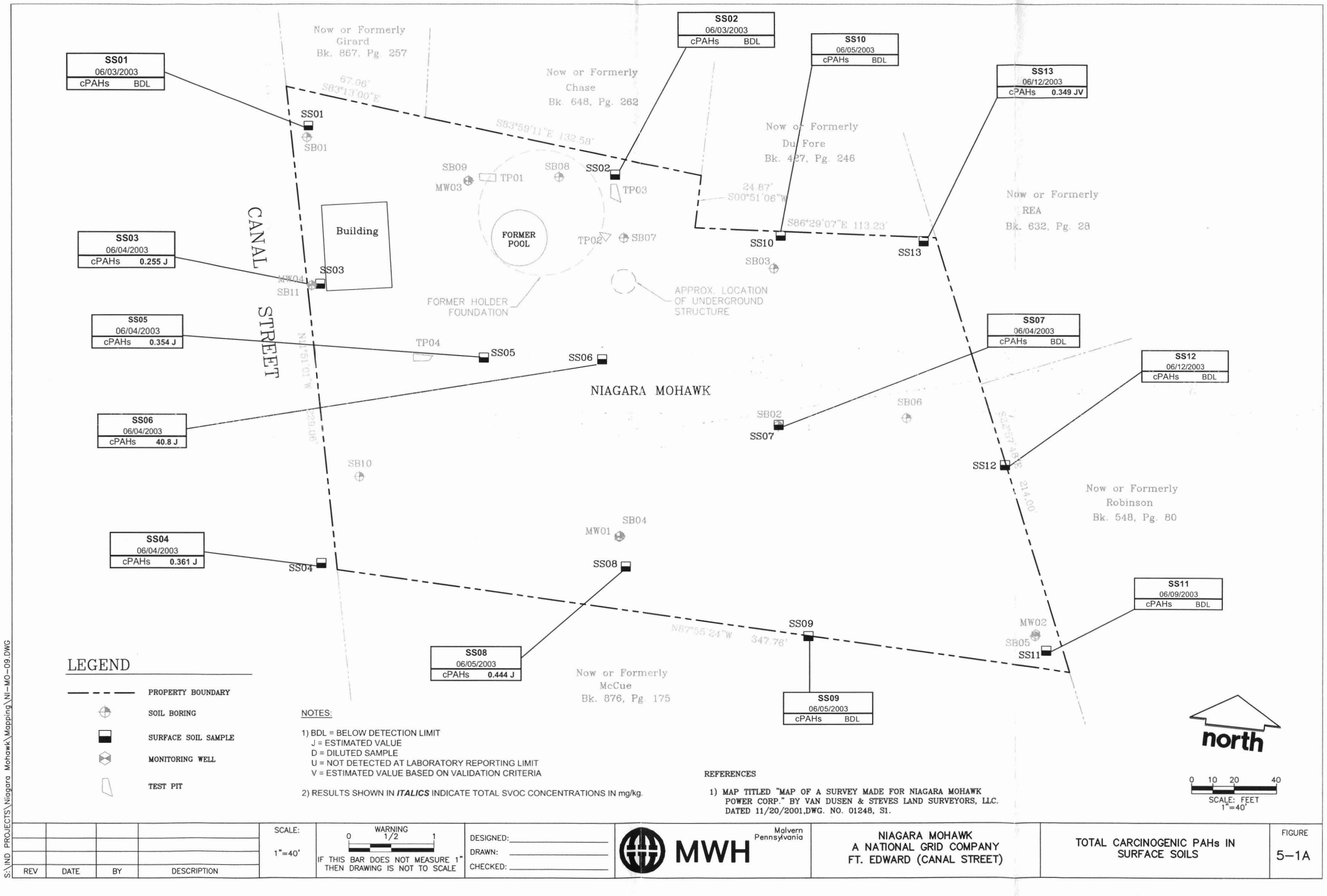
MWH Malvern Pennsylvania

NIAGARA MOHAWK
A NATIONAL GRID COMPANY
FT. EDWARD (CANAL STREET)

POTENTIOMETRIC SURFACE
GROUNDWATER MAP
9/3/03

FIGURE 4-3

S:\IND PROJECTS\Niagara Mohawk\Mapping\NI-MO-06.DWG



LEGEND

- PROPERTY BOUNDARY
- SOIL BORING
- SURFACE SOIL SAMPLE
- MONITORING WELL
- TEST PIT

NOTES:

1) BDL = BELOW DETECTION LIMIT
J = ESTIMATED VALUE
D = DILUTED SAMPLE
U = NOT DETECTED AT LABORATORY REPORTING LIMIT
V = ESTIMATED VALUE BASED ON VALIDATION CRITERIA

2) RESULTS SHOWN IN ***ITALICS*** INDICATE TOTAL SVOC CONCENTRATIONS IN mg/kg.

REFERENCES

1) MAP TITLED "MAP OF A SURVEY MADE FOR NIAGARA MOHAWK POWER CORP." BY VAN DUSEN & STEVES LAND SURVEYORS, LLC. DATED 11/20/2001,DWG. NO. 01248, S1.

north

0 10 20 40
SCALE: FEET
1"=40'

REV	DATE	BY	DESCRIPTION

SCALE: 1"=40'

WARNING 0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DESIGNED: _____
DRAWN: _____
CHECKED: _____

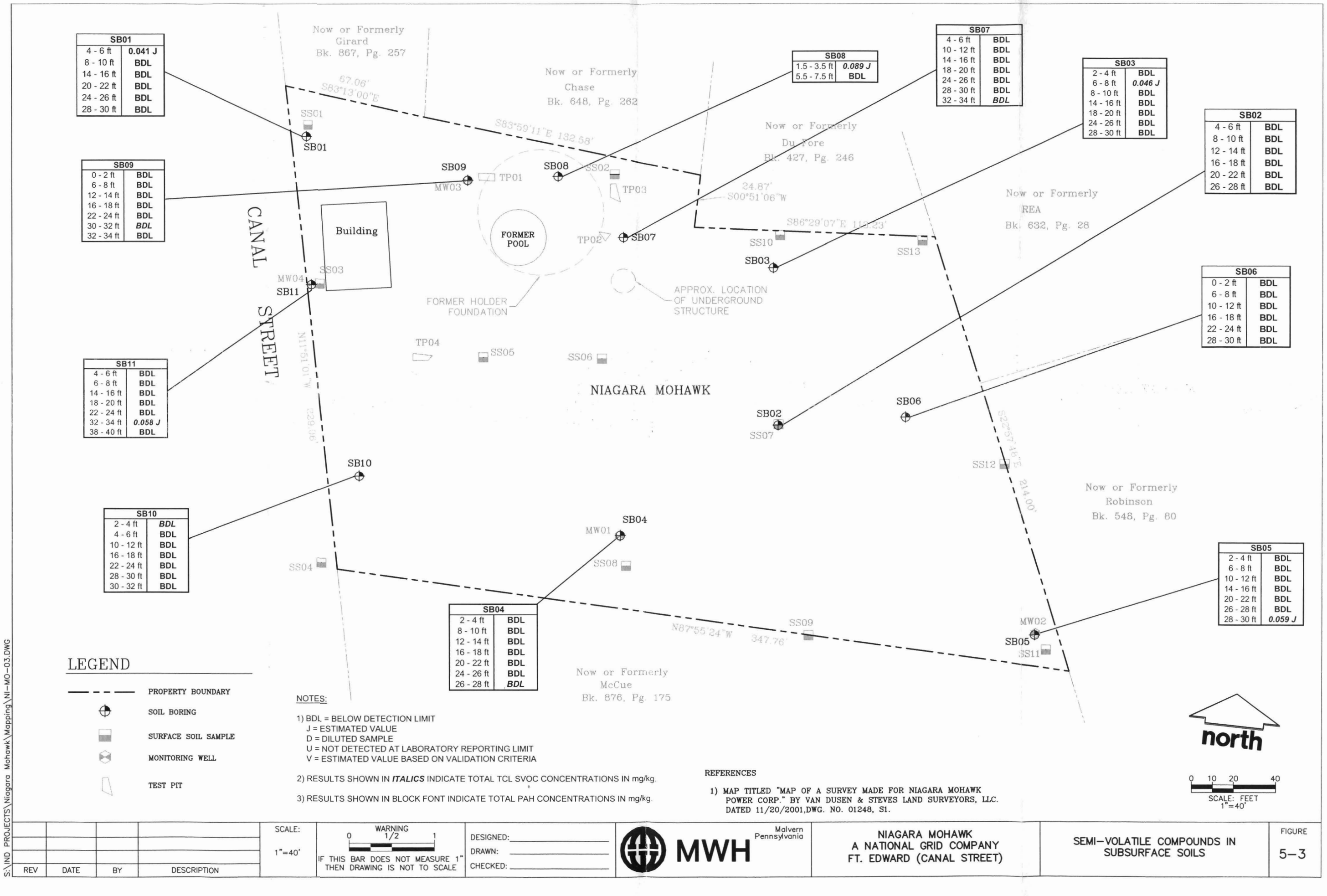
MWH Malvern Pennsylvania

NIAGARA MOHAWK
A NATIONAL GRID COMPANY
FT. EDWARD (CANAL STREET)

TOTAL CARCINOGENIC PAHs IN SURFACE SOILS

FIGURE 5-1A

S:\IND PROJECTS\Niagara Mohawk\Mapping\NI-MO-09.DWG



SB01	
4 - 6 ft	0.041 J
8 - 10 ft	BDL
14 - 16 ft	BDL
20 - 22 ft	BDL
24 - 26 ft	BDL
28 - 30 ft	BDL

SB09	
0 - 2 ft	BDL
6 - 8 ft	BDL
12 - 14 ft	BDL
16 - 18 ft	BDL
22 - 24 ft	BDL
30 - 32 ft	*BDL*
32 - 34 ft	BDL

SB11	
4 - 6 ft	BDL
6 - 8 ft	BDL
14 - 16 ft	BDL
18 - 20 ft	BDL
22 - 24 ft	BDL
32 - 34 ft	*0.058 J*
38 - 40 ft	BDL

SB10	
2 - 4 ft	*BDL*
4 - 6 ft	BDL
10 - 12 ft	BDL
16 - 18 ft	BDL
22 - 24 ft	BDL
28 - 30 ft	BDL
30 - 32 ft	BDL

SB04	
2 - 4 ft	BDL
8 - 10 ft	BDL
12 - 14 ft	BDL
16 - 18 ft	BDL
20 - 22 ft	BDL
24 - 26 ft	BDL
26 - 28 ft	*BDL*

SB08	
1.5 - 3.5 ft	*0.089 J*
5.5 - 7.5 ft	BDL

SB07	
4 - 6 ft	BDL
10 - 12 ft	BDL
14 - 16 ft	BDL
18 - 20 ft	BDL
24 - 26 ft	BDL
28 - 30 ft	BDL
32 - 34 ft	*BDL*

SB03	
2 - 4 ft	BDL
6 - 8 ft	*0.046 J*
8 - 10 ft	BDL
14 - 16 ft	BDL
18 - 20 ft	BDL
24 - 26 ft	BDL
28 - 30 ft	BDL

SB02	
4 - 6 ft	BDL
8 - 10 ft	BDL
12 - 14 ft	BDL
16 - 18 ft	BDL
20 - 22 ft	BDL
26 - 28 ft	BDL

SB06	
0 - 2 ft	BDL
6 - 8 ft	BDL
10 - 12 ft	BDL
16 - 18 ft	BDL
22 - 24 ft	BDL
28 - 30 ft	BDL

SB05	
2 - 4 ft	BDL
6 - 8 ft	BDL
10 - 12 ft	BDL
14 - 16 ft	BDL
20 - 22 ft	BDL
26 - 28 ft	BDL
28 - 30 ft	*0.059 J*

LEGEND

- PROPERTY BOUNDARY
- SOIL BORING
- SURFACE SOIL SAMPLE
- MONITORING WELL
- TEST PIT

NOTES:

1) BDL = BELOW DETECTION LIMIT
J = ESTIMATED VALUE
D = DILUTED SAMPLE
U = NOT DETECTED AT LABORATORY REPORTING LIMIT
V = ESTIMATED VALUE BASED ON VALIDATION CRITERIA

2) RESULTS SHOWN IN ***ITALICS*** INDICATE TOTAL TCL SVOC CONCENTRATIONS IN mg/kg.

3) RESULTS SHOWN IN BLOCK FONT INDICATE TOTAL PAH CONCENTRATIONS IN mg/kg.

REFERENCES

1) MAP TITLED "MAP OF A SURVEY MADE FOR NIAGARA MOHAWK POWER CORP." BY VAN DUSEN & STEVES LAND SURVEYORS, LLC. DATED 11/20/2001,DWG. NO. 01248, S1.

north

0 10 20 40
SCALE: FEET
1"=40'

REV	DATE	BY	DESCRIPTION

SCALE: 1"=40'

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DESIGNED:
DRAWN:
CHECKED:

MWH Malvern Pennsylvania

NIAGARA MOHAWK
A NATIONAL GRID COMPANY
FT. EDWARD (CANAL STREET)

SEMI-VOLATILE COMPOUNDS IN SUBSURFACE SOILS

FIGURE 5-3

S:\IND_PROJECTS\Niagara Mohawk\Mapping\NI-MO-03.DWG

Now or Formerly
Girard
Bk. 867, Pg. 257

Now or Formerly
Chase
Bk. 648, Pg. 262

Now or Formerly
Du Fore
Bk. 427, Pg. 246

Now or Formerly
REA
Bk. 632, Pg. 28

Now or Formerly
Robinson
Bk. 548, Pg. 80

Now or Formerly
McCue
Bk. 876, Pg. 175

67.06'
S83°13'00"E

S83°59'11"E 132.58'

24.87'
S00°51'06"W

S86°29'07"E 113.23'

S25°57'48"E 214.00'

N11°51'01"W 229.06'

N87°55'24"W 347.76'

CANAL STREET

NIAGARA MOHAWK

Building

FORMER POOL

FORMER HOLDER FOUNDATION

APPROX. LOCATION OF UNDERGROUND STRUCTURE

MW03	
06/23/03	*BDL*

MW04	
06/23/03	*BDL*
09/03/03	*BDL*

MW01	
06/23/03	*BDL*
09/03/03	*BDL*

MW02	
06/23/03	*BDL*
09/03/03	*BDL*

SS01 SB01 SB09 MW03 TP01 SB08 SS02 TP03 TP02 SB07 SS10 SB03 SS13 MW04 SB11 SS03 TP04 SS05 SS06 SB02 SS07 SB06 SS12 SB10 SB04 MW01 SS04 SS08 SS09 MW02 SB05 SS11

LEGEND

- PROPERTY BOUNDARY
- SOIL BORING
- SURFACE SOIL SAMPLE
- MONITORING WELL
- TEST PIT

NOTES:

1) BDL = BELOW DETECTION LIMIT
J = ESTIMATED VALUE
D = DILUTED SAMPLE
U = NOT DETECTED AT LABORATORY REPORTING LIMIT
V = ESTIMATED VALUE BASED ON VALIDATION CRITERIA

2) RESULTS SHOWN IN ***ITALICS*** INDICATE TOTAL TCL VOLATILE CONCENTRATIONS IN µg/L.

REFERENCES

1) MAP TITLED "MAP OF A SURVEY MADE FOR NIAGARA MOHAWK POWER CORP." BY VAN DUSEN & STEVES LAND SURVEYORS, LLC. DATED 11/20/2001,DWG. NO. 01248, S1.

north

0 10 20 40
SCALE: FEET
1"=40'

S:\IND PROJECTS\Niagara Mohawk\Mapping\NI-MO-04.DWG

REV	DATE	BY	DESCRIPTION

SCALE: 1"=40'

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

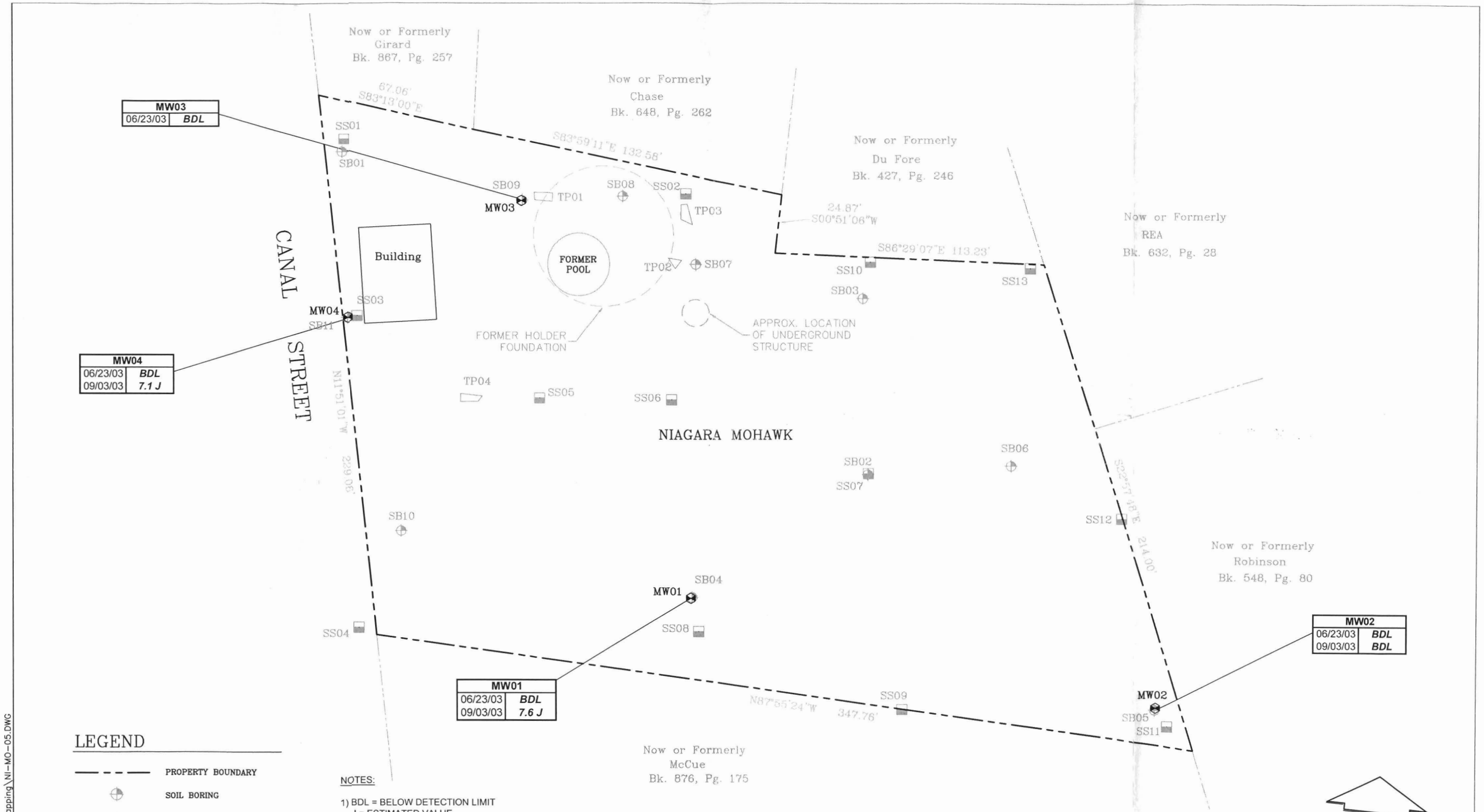
DESIGNED: _____
DRAWN: _____
CHECKED: _____

MWH Malvern Pennsylvania

NIAGARA MOHAWK
A NATIONAL GRID COMPANY
FT. EDWARD (CANAL STREET)

DISSOLVED VOCs IN GROUNDWATER

FIGURE 5-4



LEGEND

- PROPERTY BOUNDARY
- SOIL BORING
- SURFACE SOIL SAMPLE
- MONITORING WELL
- TEST PIT

NOTES:

1) BDL = BELOW DETECTION LIMIT
J = ESTIMATED VALUE
D = DILUTED SAMPLE
U = NOT DETECTED AT LABORATORY REPORTING LIMIT
V = ESTIMATED VALUE BASED ON VALIDATION CRITERIA

2) RESULTS SHOWN IN ***ITALICS*** INDICATE TOTAL TCL SEMI-VOLATILE CONCENTRATIONS IN µg/L.

REFERENCES

1) MAP TITLED "MAP OF A SURVEY MADE FOR NIAGARA MOHAWK POWER CORP." BY VAN DUSEN & STEVES LAND SURVEYORS, LLC. DATED 11/20/2001,DWG. NO. 01248, S1.

REV	DATE	BY	DESCRIPTION

SCALE: 1"=40'

WARNING 0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DESIGNED: _____
DRAWN: _____
CHECKED: _____

MWH Malvern Pennsylvania

NIAGARA MOHAWK
A NATIONAL GRID COMPANY
FT. EDWARD (CANAL STREET)

DISSOLVED SVOCs IN GROUNDWATER

FIGURE 5-5

S:\ND PROJECTS\Niagara Mohawk\Mapping\NI-MO-05.DWG