Groundwater
& Environmental Services, Inc.

495 Aero Drive, Suite 3 • Cheektowaga, New York 14225 • TEL (800) 287-7857 • Fax (866) 902-2187

February 19, 2016

Mr. David Szymanski
NYSDEC, Region 9
270 Michigan Ave
Buffalo, NY 14203

Re: Subsurface Investigation Report
Old Land Reclamation
4309 Broadway
Depew, New York 14043
NYSDEC Site No. 915129

Dear Mr. Szymanski:

Groundwater & Environmental Services, Inc. (GES) has prepared the enclosed *Subsurface Investigation Report* for the Old Land Reclamation site (the Site), located in Depew, New York. The purpose of this investigation was to further delineate and characterize contaminant impacts previously identified. The work was completed in accordance with the call-out issued on November 5, 2015, by New York State Department of Environmental Conservation (NYSDEC).

If you have any questions or comments, please do not hesitate to contact GES at your convenience.

Sincerely,
GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

Digitally signed by Eric Popken
DN: cn=Eric Popken, o=GES, ou=Buffalo, email=epopken@gesonline.com, c=US
Date: 2016.03.01 11:00:53 -05'00'

Eric D. Popken
Project Manager

Enclosure

SUBSURFACE INVESTIGATION REPORT

Old Land Reclamation
4309 Broadway
Depew, New York 14043
NYSDEC Site No. 915129

Prepared for

New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203

Report Date

February 19, 2016

Prepared By:

Digitally signed by Jennifer Clay

Jennifer Clay
Associate Geologist

Reviewed By:

Digitally signed by Eric Popken
DN: cn=Eric Popken, o=GES, ou=Buffalo, email=epopken@gesonline.com, c=US
Date: 2016.03.01 11:01:19 -05'00'

Eric D. Popken
Project Manager

GROUNDWATER & ENVIRONMENTAL SERVICES, INC.
495 Aero Drive, Suite 3
Cheektowaga, NY 14225
1-800-287-7857

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

1.0 INTRODUCTION

This report has been prepared to document the field activities to characterize soil and groundwater conditions at the Old Land Reclamation site (the Site) located at 4309 Broadway in Depew, New York. The purpose of this investigation was to further delineate and characterize contaminant impacts previously identified. The work was completed in accordance with the call-out issued on November 5, 2015, by New York State Department of Environmental Conservation (NYSDEC). A site location map has been included as **Figure 1**. A site map illustrating the site layout and monitoring well locations has been included as **Figure 2**.

2.0 SUBSURFACE INVESTIGATION

2.1 Previous Soil and Seep Sampling

On May 14, 2013, seep samples were collected from 3 locations along the bank of the Cayuga Creek (river). Samples were submitted to TestAmerica Laboratories, Inc. (TestAmerica) in Buffalo, New York for laboratory analysis of volatile organic compounds (VOCs) via United States Environmental Protection Agency (USEPA) Method 8260B and semivolatile organic compounds (SVOCs) via USEPA Method 8270C. Sample locations and the lab report are included in **Appendix A** and the analytical results are summarized on **Table 7** and **Table 8**.

On September 21, 2015, surface water and soil samples were collected and submitted to TestAmerica for laboratory analysis of VOCs via USEPA Method 8260C, SVOCs via USEPA Method 8270D, organochlorine pesticides (pesticides) via USEPA Method 8081B, polychlorinated biphenlys (PCBs) via USEPA Method 8082A, metals via USEPA Method 6010C, mercury via USEPA Method 7470A, and total cyanide via USEPA Method 9012B. Sample locations and the lab report are included in **Appendix A** and the analytical results are summarized on **Table 2** through **Table 11**.

2.2 Well Installation

On November 17, 2015, TREC Environmental Services, Inc. (TREC) advanced 10 soil borings (SB-201 through SB-210) via Geoprobe, under the direction of GES personnel. Soil borings were advanced to depths ranging from approximately 6.9 to 12.1 feet (ft) below ground surface (bgs). Soil samples were collected in approximate two foot or four foot intervals using macro-core samplers. Soil samples were logged by GES personnel for color, moisture content, grain size, and visual evidence of impacts. A portion of each sample collected was placed into a re-sealable plastic bag and screened for the presence of volatile organic vapors. GES personnel used a MiniRAE 3000 photo ionization detector (PID) equipped with a 10.6 electron volt (eV) lamp which was calibrated to a 100 parts per million by volume (ppmv) isobutylene standard. Soil samples from select soil boring exhibiting visual impact or staining were collected and placed on ice and submitted to TestAmerica in Buffalo, New York for laboratory analysis of VOCs via USEPA Method 8260C, SVOCs via USEPA Method 8270D, pesticides via USEPA Method 8081B, PCBs via USEPA Method 8082A, metals via USEPA Method 6010C, mercury

via USEPA Method 7470A, and total cyanide via USEPA Method 9012B. Soil boring logs are included in **Appendix B**.

Soil borings SB-201, SB-202, SB-203, SB-204, SB-205, SB-206, SB-207, SB-208, SB-209, and SB-210 were converted into 1-inch diameter temporary monitoring wells (TW-201, TW-202, TW-203, TW-204, TW-205, TW-206, TW-207, TW-208, TW-209, and TW-210, respectively). The monitoring wells were constructed using 1-inch Schedule 40 polyvinyl chloride (PVC) well casing with 0.010-inch slotted screen. All wells were constructed with five ft of screen. Sand pack was placed from the bottom of each boring to approximately 1 to 1.5 ft bgs, followed by bentonite to ground surface. Each well casing rises from 1 to 3 ft above grounds surface and is capped. The well installation locations, with respect to the site layout, are illustrated on **Figure 2**. Monitoring well construction details are included in **Appendix B**. The wells were surveyed and the coordinates are located on **Table 1**.

2.3 Subsurface Investigation Results

All soil analytical results were compared to NYSDEC Commissioner Policy (CP)-51 Soil Cleanup Objectives (SCOs). Soil analytical results are illustrated on **Figure 3**. Soil analytical data is tabulated on **Table 2** through **Table 6**. The soil laboratory analytical reports are included in **Appendix A** and **Appendix C**. A summary of results is as follows:

- The area sampled for this investigation is covered with trees and grass with some of the landfill debris exposed on the surface and is adjacent to Cayuga Creek.

- Visual evidence of impacts (i.e. elevated PID readings, stained soil, odor, etc.) was observed in the following soil borings: TW-201, TW-204, and TW-206. Samples from these locations were submitted to TestAmerica for analysis.

- No VOC constituents were observed in excess of NYSDEC CP-51 SCOs in any of the samples collected.

- No SVOC constituents were observed in excess of NYSDEC CP-51 SCOs in any of the samples collected.

- No pesticide constituents were observed in excess of NYSDEC CP-51 SCOs in any of the samples collected.

- PCBs were not detected in any of the samples collected.

- Iron was detected in excess of NYSDEC CP-51 SCOs in TW-204 at 13,900,000 µg/kg and TW-206 at 7,370,000 µg/kg. No other metal was observed in excess of NYSDEC CP-51 SCOs.

- Cyanide was not detected in any of the samples collected.

3.0 GROUNDWATER INVESTIGATION

3.1 Seep water Investigation Results

Location of seep water samples (SW-1, SW-2, and SW-3) are illustrated in **Appendix A**. Seep water analytical data is tabulated in **Table 7** and **Table 8**, which also includes monitoring data. The laboratory analytical report is included in **Appendix A**. All seep water analytical results were compared to NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 "*Ambient Water Qualtity Standards and Guidance Values and Groundwater Effluent Limitations*" standards and/or guidance values for the protection of fresh and drinking water. A summary of results is as follows:

- VOCs were detected above TOGS 1.1.1 standards/guidance values in all three seep samples.
    - 1,4-Dichlororbenzene at 9.2 µg/L in SW-1 and 9.7 µg/L in SW-2;
    - Benzene at 22 µg/L in SW-1, 18 µg/L in SW-2, and 11 µg/L in SW-3;
    - Chlorobenzene at 120 µg/L in SW-1, 62 µg/L in SW-2, and 21 µg/L in SW-3.

  No other VOCs were detected above method detection limits in any of the seep samples.

- SVOCs were detected above TOGS 1.1.1 standards/guidance values in two of the three seep samples.
    - The sum of all phenol isomers at 2.77 µg/L in SW-1 and 3.02 µg/L in SW-2;
    - 4-Chloroaniline at 92 µg/L in SW-2.

  SW-3 did not detect any SVOCs above TOGS 1.1.1 standards/guidance values.

3.2 Surface water Investigation Results

Location of surface water samples (SW-1 and SW-2) are illustrated in **Appendix A**. Surface water analytical data is tabulated in **Tables 7** through **Table 11**, which also includes monitoring data. The laboratory analytical report is included in **Appendix A**. All surface water analytical results were compared to NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 "*Ambient Water Qualtity Standards and Guidance Values and Groundwater Effluent Limitations*" standards and/or guidance values for the protection of fresh and drinking water. A summary of results is as follows:

- VOCs were not detected above TOGS 1.1.1 standards/guidance values in either surface water sample.

- SVOCs were not detected above TOGS 1.1.1 standards/guidance values in either surface sample.

- Pesticides were not detected above TOGS 1.1.1 standards/guidance values in either surface sample.

- PCBs were not detected in either surface sample.

- Metals were detected above TOGS 1.1.1 standards/guidance values in both surface samples.

    - Iron at 400 µg/L in SW-1 and 3,200 µg/L in SW-2;
    - Magnesium at 35,100 µg/L in SW-2;
    - Sodium at 40,400 µg/L in SW-1 and 69,900 µg/L in SW-2.

No other metals were detected above TOGS 1.1.1 standards/guidance values in either surface sample.

3.2 Groundwater Investigation Results

On November 30, 2015, GES sampled groundwater monitoring wells TW-201, TW-202, TW-203, TW-204, TW-205, TW-207, TW-208, TW-209, TW-210, MW-4A, and MW-4B. TW-206 could not be sampled due to poor recharge rate. Each well was gauged for depth-to-water (DTW) and total depth using an interface probe prior to purging. Purge water was filtered through a 5-gallon bucket of granular activated carbon and discharged on-site. The wells were sampled using disposable polyethylene bailers. Samples were placed on ice and submitted to TestAmerica for laboratory analysis of VOCs via USEPA Method 8260C, SVOCs via USEPA Method 8270D, pesticides via USEPA Method 8081B, PCBs via USEPA Method 8082A, metals via USEPA Method 6010C, mercury via USEPA Method 7470A, and total cyanide via USEPA Method 9012B.

Groundwater analytical data is illustrated on **Figure 4**. Monitoring well survey data is tabulated on **Table 1**. Groundwater analytical data is tabulated in **Tables 7** through **Table 11**, which also includes monitoring well top-of-casing (toc), depth to water and elevation data. The groundwater laboratory analytical report is included in **Appendix D**. All groundwater analytical results were compared to NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 "*Ambient Water Qualtity Standards and Guidance Values and Groundwater Effluent Limitations*" standards and/or guidance values for the protection of fresh and drinking water. A summary of results is as follows:

- The depth-to-water across the site ranged from approximately 5.92 to 12.70 ft below toc for the temporary monitoring wells located on the river flood plane and 23.70 to 23.77 ft below toc for MW-4A and MW-4B located on top of the landfill cap. Elevation and location information were collected with a laser level and a Trimble Geo-XT Handheld global positioning system (GPS). The interpreted groundwater flow is to the southwest.

- VOCs were detected above TOGS 1.1.1 standards/guidance values in TW-201, TW-202, TW-203, TW-204, TW-205, TW-207, TW-208, TW-209, and MW-4B. The analytes with the most exceedances were benzene and chlorobenzene. Benzene was detected in 8 wells above TOGS 1.1.1 standards/guidance values ranging 5.8 µg/L in TW-203 to 21 µg/L in MW-4B. Chlorobenzene was detected in 9 wells above TOGS 1.1.1 standards/guidance values ranging from 15 µg/L in TW-209 to 120 µg/L in TW-204.

- The SVOC analyte, 4-chloroaniline, previously detected onsite, was detected above TOGS 1.1.1 standards/guidance values in TW-202, TW-204, TW-205, TW-207, TW-208, TW-209, and TW-210. No other SVOC analyte was detected above TOGS 1.1.1 standards/ guidance values.

- The following pesticides were detected above TOGS 1.1.1 standards/guidance values in the indicated wells:

    - Alpha-BHC at 0.047 micrograms per liter (µg/L) in TW-207 and 0.22 µg/L in TW-210;
    - Beta-BHC at 0.17 µg/L in TW-202;
    - Delta-BHC at 0.55 µg/L in TW-208, 0.49 µg/L in TW-210, and 0.47 µg/L in MW-4B;
    - Gamma BHC at 0.11 µg/L in TW-204, 0.24 µg/L in TW-205, 0.22 µg/L in TW-208, and 0.22 µg/L in TW-210.

- PCBs were detected above TOGS 1.1.1 standards/guidance values in TW-204, TW-207, TW-209, TW-210, and MW-4B.

- Several metals were detected above TOGS 1.1.1 standards/guidance values in all sampled wells.

4.0 SUMMARY

4.1 Previous Soil Sampling

As described in Section 2.1, seep and soil samples were collected from the site during an initial evaluation of soil and water quality near the river. The results are summarized on **Table 2** through **Table 6** and the lab report and sample locations are in **Appendix A**.

- For VOCs, no analyte was detected above the NYSDEC CP-51 SCOs.
- For SVOCs, no analyte was detected above the NYSDEC CP-51 SCOs.
- For pesticides, no analyte was detected above the NYSDEC CP-51 SCOs.
- For PCBs, no analyte was detected.
- For metals, all 4 soil samples contained metals concentrations exceeding NYSDEC CP-51 SCOs.

4.2 Subsurface Soil Contaminant Summary and Exposure

As described in Section 2.3, elevated concentrations of iron were detected at 13,900,000 µg/kg in TW-204 and 7,370,000 µg/kg in TW-206. TW-204 was sampled from 4 to 8 ft bg and TW-206 was sampled from 4 to 6 ft bg. No other analyte was detected above NYSDEC CP-51 SCOs.

Several all-terrain vehicle (ATV) trails run near and/or through the site and may present an exposure risk if the surface soils are penetrated and the underlying waste is exposed through erosion.

4.3 Seep water Contaminant Summary

As described in Section 3.1, elevated concentrations of metals were detected in both seep samples.

- For VOCs, three analytes were detected above the TOGS 1.1.1 standard in all three seep samples.
- For SVOCs, two seep water samples contained SVOC concentrations exceeding TOGS 1.1.1 standards/guidance values.

4.4 Surface water Contaminant Summary

As described in Section 3.2, elevated concentrations of metals were detected in both surface water samples.

- For VOCs, no analyte was detected above the TOGS 1.1.1 standard.
- For SVOCs, no analyte was detected above the TOGS 1.1.1 standard.
- For pesticides, no analyte was detected above the TOGS 1.1.1 standard.
- For PCBs, no analyte was detected.
- For metals, both surface water samples contained metals concentrations exceeding TOGS 1.1.1 standards/guidance values.

4.5 Groundwater Contaminant Summary

As described in Section 3.3, elevated concentrations of VOCs, SVOCs, Pesticides, PCBs, and metals were detected in multiple wells to varying degrees.

- For VOCs, benzene was detected in 8 wells above the TOGS 1.1.1 standard ranging from 5.8 to 21 µg/L and chlorobenzene was detected in 9 wells above the TOGS 1.1.1 standard ranging from 15 to 120 µg/L.
- For SVOCs, 4-chloroanaline was detected in 7 wells above the TOGS 1.1.1 standard ranging from 7.1 to 120 µg/L.

- For pesticides, 7 wells had concentrations of various pesticides that exceeded the TOGS 1.1.1 standards. Most wells only had 1 or 2 analytes that exceeded TOGS 1.1.1 with the exception of TW-210 with 4 analyte exceedances.
- For PCBs, 5 wells exceeded the TOGS 1.1.1 standard for the sum of all PCBs ranging from 0.29 to 3.63 µg/L.
- For metals, all 11 wells sampled contained metals concentrations exceeding TOGS 1.1.1 standards/guidance values.

Additional groundwater sampling may be warranted to evaluate seasonal changes in the groundwater flow and groundwater quality onsite.

FIGURES

TABLES

APPENDIX A

Previous Analytical Reports and Sample Location Maps

APPENDIX B

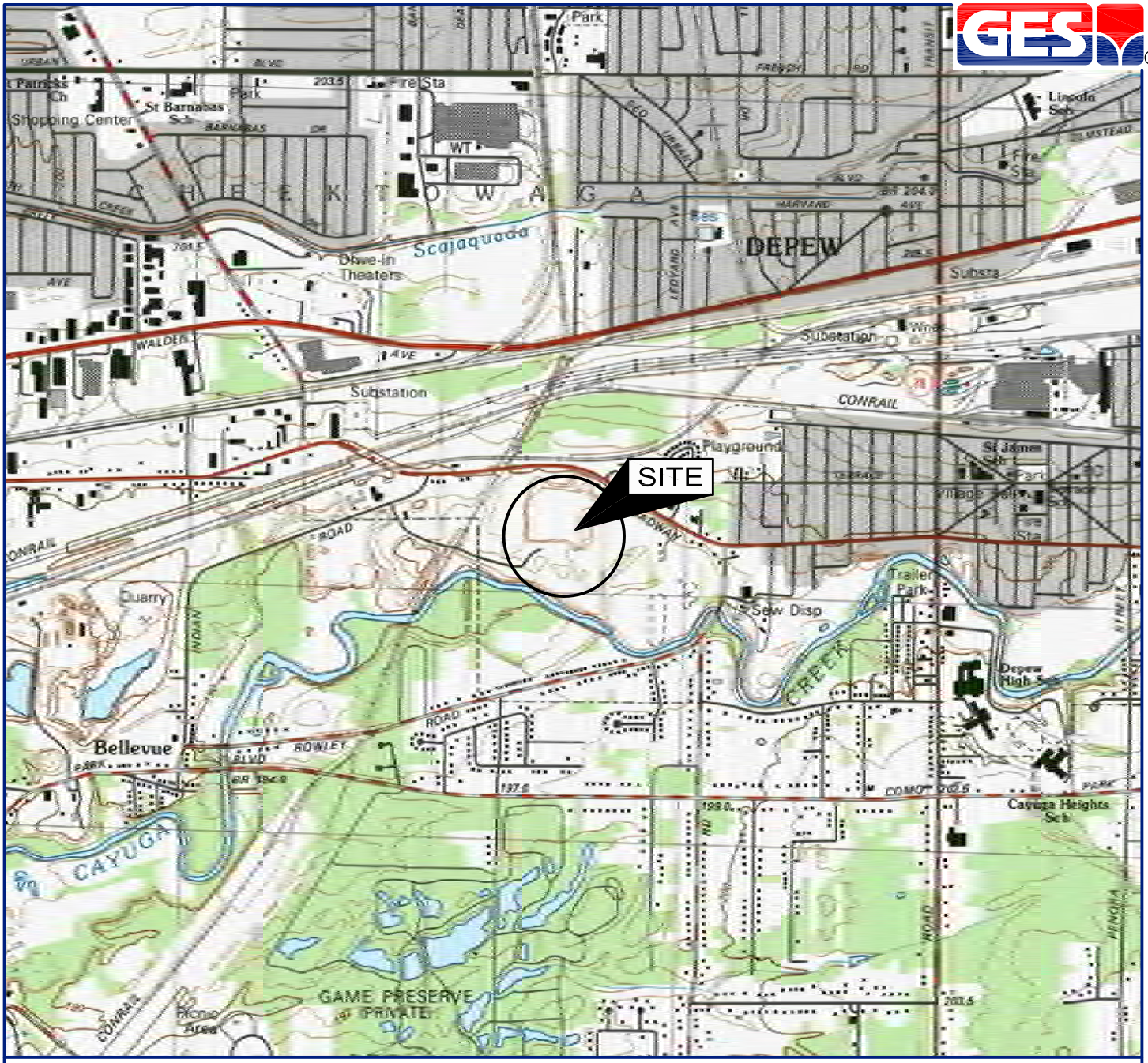
Soil Boring/Monitoring Well Installation Logs

APPENDIX C

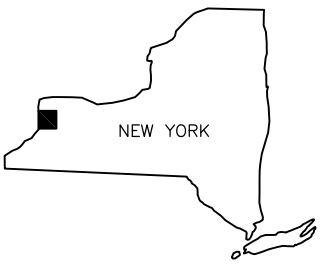
Soil Laboratory Analytical Reports

APPENDIX D

Groundwater Laboratory Analytical Reports



SOURCE: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE 1982
LANCASTER, NEW YORK
CONTOUR INTERVAL = 2 METERS



QUADRANGLE LOCATION

DRAFTED BY: W.G.S. (N.J.)	SITE LOCATION MAP
CHECKED BY: J.K.C.	NYSDEC OLD LAND RECLAMATION 4309 BROADWAY DEPEW, NEW YORK
REVIEWED BY: E.P.	Groundwater & Environmental Services, Inc. 158 SONWIL DRIVE, CHEEKTOWAGA, NEW YORK 14225
NORTH	SCALE IN FEET: 0 — 2000 / DATE: 1-27-16 / FIGURE: 1

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LEGEND

- TRAILS
- TEMPORARY WELL
- MONITORING WELL
- SEEP SAMPLE

DRAFTED BY: W.G.S. (N.J.)	SITE MAP
CHECKED BY: J.K.C.	NYSDEC OLD LAND RECLAMATION 4309 BROADWAY DEPEW, NEW YORK
REVIEWED BY: E.P.	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225
NORTH	SCALE IN FEET: 0 APPROXIMATE 80 / DATE: 1-27-16 / FIGURE: 2

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LEGEND

- TRAILS
- TEMPORARY WELL
- MONITORING WELL
- SEEP SAMPLE

TW201	WELL IDENTIFICATION
11-17-15	SAMPLE DATE
6-7'	SAMPLE DEPTH (feet bgs)
61.58	TOTAL VOCs CONCENTRATION (ug/kg)
NA	TOTAL SVOCs CONCENTRATION (ug/kg)
NA	IRON CONCENTRATION (ug/kg)
ug/kg	MICROGRAMS PER KILOGRAM
ND	NOT DETECTED
<#	WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN
bgs	BELOW GROUND SURFACE

NOTE:

VALUE SHADED PURPLE EXCEEDS CP-51 SOIL CLEANUP OBJECTIVE.

DRAFTED BY: W.G.S. (N.J.)	SOIL ANALYTICAL DATA MAP NOVEMBER 17, 2015
CHECKED BY: J.K.C.	NYSDEC OLD LAND RECLAMATION 4309 BROADWAY DEPEW, NEW YORK
REVIEWED BY: E.P.	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225
NORTH	SCALE IN FEET: 0 APPROXIMATE 80 / DATE: 1-27-16 / FIGURE: 3

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LEGEND

- TRAILS
- TEMPORARY WELL
- MONITORING WELL
- SEEP SAMPLE

TW201	
12-1-15	SAMPLE DATE
618.84	GW ELEVATION (feet amsl)
VOCs	23 TOTAL VOCs CONCENTRATION (ug/L)
SVOCs	7 TOTAL SVOCs CONCENTRATION (ug/L)
a-BHC	ND<0.93 alpha-BHC CONCENTRATION (ug/L)
b-BHC	ND<0.93 beta-BHC CONCENTRATION (ug/L)
d-BHC	ND<0.93 delta-BHC CONCENTRATION (ug/L)
g-BHC	ND<0.93 gamma-BHC (LINDANE) CONCENTRATION (ug/L)
PCBs	ND<3.43 TOTAL PCBs CONCENTRATION (ug/L)
ARSENIC	29 ARSENIC CONCENTRATION (ug/L)
CHROMIUM	21B TOTAL CHROMIUM CONCENTRATION (ug/L)
LEAD	32 LEAD CONCENTRATION (ug/L)
MERCURY	ND<0.20 MERCURY CONCENTRATION (ug/L)

ug/L	MICROGRAMS PER LITER
ND	NOT DETECTED
<#	WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN
amsl	ABOVE MEAN SEA LEVEL
B	COMPOUND WAS FOUND IN BLANK SAMPLE
J	LESS THAN REPORTING LIMIT, BUT GREATER THAN OR EQUAL TO METHOD DETECTION LIMIT. CONCENTRATION IS AN APPROXIMATE VALUE.
NA	NOT AVAILABLE
NS	NOT SAMPLED

NOTE:

VALUE SHADED PURPLE EXCEEDS TOGS 1.1.1 FOR CLASS-GROUNDWATER, TYPE-DRINKING WATER.

DRAFTED BY: W.G.S. (N.J.)

CHECKED BY: J.K.C.

REVIEWED BY: E.P.

NORTH

GROUNDWATER ANALYTICAL DATA MAP
DECEMBER 1, 2015

NYSDEC
OLD LAND RECLAMATION
4309 BROADWAY
DEPEW, NEW YORK

Groundwater & Environmental Services, Inc.
495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225

SCALE IN FEET
0 APPROXIMATE 80

DATE 1-27-16

FIGURE 4

Table 1
Survey Data - Groundwater Well and Temporary Well Locations

Old Land Reclamation
4309 Broadway
Depew, New York

Site: Old Land Reclamation Site #915129
GPS: Garmin GPSMAP64st
Software Version: 3.80
Unit ID: 3905483424
Date: 12/01/2015
Coordinate System: NAD83

Location ID	Latitude (N)	Longitude (W)	Top of Casing Elevation	Ground Surface Elevation
	degree, minute decimal	degree, minute decimal	feet amsl	feet amsl
TW-201	42° 53.987' N	-078° 42.967' W	624.76	623.72
TW-202	42° 53.993' N	-078° 42.980' W	624.95	623.77
TW-203	42° 54.000' N	-078° 42.991' W	627.63	625.27
TW-204	42° 54.007' N	-078° 43.009' W	626.17	624.93
TW-205	42° 54.012' N	-078° 43.027' W	628.46	627.07
TW-206	42° 54.015' N	-078° 43.045' W	629.16	627.35
TW-207	42° 54.018' N	-078° 43.067' W	629.16	627.29
TW-208	42° 54.016' N	-078° 43.085' W	626.69	623.91
TW-209	42° 54.020' N	-078° 43.103' W	627.60	624.49
TW-210	42° 54.026' N	-078° 43.120' W	627.30	624.15
MW-4A	42° 54.022' N	-078° 43.014' W	644.75	NS
MW-4B	42° 54.024' N	-078° 43.014' W	NS	NS

NS - Not surveyed
amsl - above mean sea level

Table 2
Soil Boring Data - VOCs

Old Land Reclamation
4309 Broadway
Depew, New York

Monitoring Well		CP-51 SCO Residential	CP-51 Restricted Residential	CP-51 Commercial	SED-1	SED-2	SED-3	SED-4	TW-201	TW-204	TW-206
Sample Type					S	S	S	S	S	S	S
Sample Date					9/21/2015	9/21/2015	9/21/2015	9/21/2015	11/17/2015	11/17/2015	11/17/2015
PID Reading (ppmv)					NA	NA	NA	NA	2.6	0.6	0.3
Depth of Sample (feet below ground)					NA	NA	NA	NA	6-7	4-8	4-6
CAS #	**Volatile Organic Compounds (µg/kg)**										
71-55-6	1,1,1-TRICHLOROETHANE	***100,000***	***100,000***	***500,000***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
79-34-5	1,1,2,2-TETRACHLOROETHANE	***35,000***	***NS***	***NS***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (113 FREON)	***100,000***	***NS***	***NS***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
79-00-5	1,1,2-TRICHLOROETHANE	***100,000***	***100,000***	***500,000***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
75-34-3	1,1-DICHLOROETHANE	***19,000***	***26,000***	***240,000***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
75-35-4	1,1-DICHLOROETHENE	***100,000***	***100,000***	***500,000***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
120-82-1	1,2,4-TRICHLOROBENZENE	***NS***	***NS***	***NS***	ND	ND	ND	ND	ND<6.8	0.60 J	NA
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	***NS***	***NS***	***NS***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	***NS***	***NS***	***NS***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
95-50-1	1,2-DICHLOROBENZENE	***100,000***	***100,000***	***1,000,000***	ND	0.78 J	1.5 J	ND	ND<6.8	7.7	NA
107-06-2	1,2-DICHLOROETHANE	***2,300***	***3,100***	***30,000***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
78-87-5	1,2-DICHLOROPROPANE	***NS***	***NS***	***NS***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
541-73-1	1,3-DICHLOROBENZENE	***17,000***	***49,000***	***280,000***	ND	1.0 J	0.34 J	ND	ND<6.8	1.9 J	NA
106-46-7	1,4-DICHLOROBENZENE	***9,800***	***13,000***	***130,000***	1.8 J	4.0 J	5.0 J	4.1 J	ND<6.8	18	NA
78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	***100,000***	***100,000***	***500,000***	ND	ND	ND	ND	ND<34 *	ND<26 *	NA
591-78-6	2-HEXANONE	***NS***	***NS***	***NS***	ND	ND	ND	ND	ND<34 *	ND<26 *	NA
108-10-1	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE)	***NS***	***NS***	***NS***	ND	ND	ND	ND	ND<34	ND<26	NA
67-64-1	ACETONE	***100,000***	***100,000***	***500,000***	12 J	ND	ND	8.2 J	59 B	ND<26	NA
71-43-2	BENZENE	***2,900***	***4,800***	***44,000***	ND	0.38 J	0.88 J	0.44 J	ND<6.8	ND<5.3	NA
75-27-4	BROMODICHLOROMETHANE	***NS***	***NS***	***NS***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
75-25-2	BROMOFORM	***NS***	***NS***	***NS***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
74-83-9	BROMOMETHANE	***NS***	***NS***	***NS***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
75-15-0	CARBON DISULFIDE	***100,000***	***NS***	***NS***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
56-23-5	CARBON TETRACHLORIDE	***1,400***	***2,400***	***22,000***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
108-90-7	CHLOROBENZENE	***100,000***	***100,000***	***500,000***	2.5 J	4.0 J	18	11	ND<6.8	12	NA
75-00-3	CHLOROETHANE	***NS***	***NS***	***NS***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
67-66-3	CHLOROFORM	***10,000***	***49,000***	***350,000***	1.5 J	0.84 J	0.60 J	0.75 J	ND<6.8	ND<5.3	NA
74-87-3	CHLOROMETHANE (METHYL CHLORIDE)	***NS***	***NS***	***NS***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
156-59-2	CIS-1,2-DICHLOROETHENE	***59,000***	***100,000***	***500,000***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
10061-01-5	CIS-1,3-DICHLOROPROPENE	***NS***	***NS***	***NS***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
110-82-7	CYCLOHEXANE	***NS***	***NS***	***NS***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
124-48-1	DIBROMOCHLOROMETHANE	***NS***	***NS***	***NS***	ND	ND	ND	ND	ND<6.8	ND<5.3	NA

Table 2
Soil Boring Data - VOCs

Old Land Reclamation
4309 Broadway
Depew, New York

Monitoring Well		CP-51 SCO Residential	CP-51 Restricted Residential	CP-51 Commercial	SED-1	SED-2	SED-3	SED-4	TW-201	TW-204	TW-206
Sample Type					S	S	S	S	S	S	S
Sample Date					9/21/2015	9/21/2015	9/21/2015	9/21/2015	11/17/2015	11/17/2015	11/17/2015
PID Reading (ppmv)					NA	NA	NA	NA	2.6	0.6	0.3
Depth of Sample (feet below ground)					NA	NA	NA	NA	6-7	4-8	4-6
CAS #	**Volatile Organic Compounds (µg/kg)**										
75-71-8	DICHLORODIFLUOROMETHANE	*NS*	*NS*	*NS*	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
100-41-4	ETHYLBENZENE	*30,000*	*41,000*	*390,000*	ND	ND	ND	ND	ND<6.8	0.41 J	NA
98-82-8	ISOPROPYLBENZENE (CUMENE)	*100,000*	*NS*	*NS*	ND	ND	1.7 J	ND	ND<6.8	ND<5.3	NA
79-20-9	METHYL ACETATE	*NS*	*NS*	*NS*	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
108-87-2	METHYLCYCLOHEXANE	*NS*	*NS*	*NS*	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
75-09-2	METHYLENE CHLORIDE	*51,000*	*100,000*	*500,000*	6.6 J	3.4 J	5.4 J	5.5 J	ND<6.8	ND<5.3	NA
100-42-5	STYRENE	*NS*	*NS*	*NS*	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
1634-04-4	METHYL TERT-BUTYL ETHER	*62,000*	*100,000*	*500,000*	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
127-18-4	TETRACHLOROETHENE(PCE)	*5,500*	*19,000*	*150,000*	ND	ND	ND	ND	1.6 J B	5.7 B	NA
108-88-3	TOLUENE	*100,000*	*100,000*	*500,000*	0.84 J	0.93 J	1.2 J	1.7 J	0.98 J	ND<5.3	NA
156-60-5	TRANS-1,2-DICHLOROETHENE	*100,000*	*100,000*	*500,000*	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
10061-02-6	TRANS-1,3-DICHLOROPROPENE	*NS*	*NS*	*NS*	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
79-01-6	TRICHLOROETHENE (TCE)	*10,000*	*21,000*	*200,000*	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
75-69-4	TRICHLOROFLUOROMETHANE	*NS*	*NS*	*NS*	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
75-01-4	VINYL CHLORIDE	*210*	*900*	*13,000*	ND	ND	ND	ND	ND<6.8	ND<5.3	NA
1330-20-7	XYLENES, TOTAL	*100,000*	*100,000*	*500,000*	ND	ND	ND	ND	ND<14	ND<11	NA
Total VOCs (µg/L)		*NS*	*NS*	*NS*	25.24	15.33	34.62	31.69	61.58	46.31	NA

Notes:
ND = Not detected at or above laboratory detection limits
S = Soil sample collected via macro-core sampler.
PID = photo ionization detector
ppmv = parts per million by volume
µg/kg = Micrograms per kilogram
J = Result is less than the reporting limit, but greater than or equal to method detection limit and the concentration is an approximate value.
B = Analyte was detected in trip blank.
* = LCS or LCSD is outside acceptance limits or RPD of LCS and LCSD exceeds the control limits.
NA = Not applicable/analyzed
CAS = Chemical Abstracts Services
CP-51 SCO = NYSDEC Commissioner Policy 51 Soil Cleanup Objective
NS=No cleanup objective specified by CP-51

Table 3
Soil Boring Data - SVOCs

Old Land Reclamation
4309 Broadway
Depew, New York

Monitoring Well		CP-51 SCO Residential	CP-51 Restricted Residential	CP-51 Commercial	SED-1	SED-2	SED-3	SED-4	TW-201	TW-204	TW-206
Sample Type					S	S	S	S	S	S	S
Sample Date					9/21/2015	9/21/2015	9/21/2015	9/21/2015	11/17/2015	11/17/2015	11/17/2015
PID Reading (ppmv)					NA	NA	NA	NA	2.6	0.6	0.3
Depth of Sample (feet below ground)					NA	NA	NA	NA	6-7	4-8	4-6
CAS #	**Semi-Volatile Organic Compounds (µg/kg)**										
95-95-4	2,4,5-TRICHLOROPHENOL	***100,000***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
88-06-2	2,4,6-TRICHLOROPHENOL	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
120-83-2	2,4-DICHLOROPHENOL	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
105-67-9	2,4-DIMETHYLPHENOL	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
51-28-5	2,4-DINITROPHENOL	***100,000***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<9,000	ND<1,700
121-14-2	2,4-DINITROTOLUENE	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
606-20-2	2,6-DINITROTOLUENE	***1,030***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
91-58-7	2-CHLORONAPHTHALENE	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
95-57-8	2-CHLOROPHENOL	***100,000***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
91-57-6	2-METHYLNAPHTHALENE	***410***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
95-48-7	2-METHYLPHENOL (O-CRESOL)	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
88-74-4	2-NITROANILINE	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<1,800	ND<340
88-75-5	2-NITROPHENOL	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
91-94-1	3,3'-DICHLOROBENZIDINE	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<1,800	ND<340
99-09-2	3-NITROANILINE	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<1,800 *	ND<340 *
534-52-1	4,6-DINITRO-2-METHYLPHENOL	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<1,800	ND<340
101-55-3	4-BROMOPHENYL PHENYL ETHER	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
59-50-7	4-CHLORO-3-METHYLPHENOL	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
106-47-8	4-CHLOROANILINE	***100,000***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
106-44-5	4-METHYLPHENOL (P-CRESOL)	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<1,800	ND<340
100-01-6	4-NITROANILINE	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<1,800	ND<340
100-02-7	4-NITROPHENOL	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<1,800	ND<340
83-32-9	ACENAPHTHENE	***100,000***	***100,000***	***500,000***	ND	110 J	ND	ND	NA	170 J	ND<180
208-96-8	ACENAPHTHYLENE	***100,000***	***100,000***	***500,000***	ND	ND	ND	ND	NA	ND<920	ND<180
98-86-2	ACETOPHENONE	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
120-12-7	ANTHRACENE	***100,000***	***100,000***	***500,000***	ND	ND	ND	ND	NA	ND<920	ND<180
1912-24-9	ATRAZINE	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
100-52-7	BENZALDEHYDE	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
56-55-3	BENZO(A)ANTHRACENE	***1,000***	***1,000***	***5,600***	ND	ND	ND	ND	NA	220 J	ND<180
50-32-8	BENZO(A)PYRENE	***1,000***	***1,000***	***1,000***	ND	ND	ND	ND	NA	200 J	ND<180
205-99-2	BENZO(B)FLUORANTHENE	***1,000***	***1,000***	***5,600***	ND	ND	ND	ND	NA	210 J	ND<180
191-24-2	BENZO(G,H,I)PERYLENE	***100,000***	***100,000***	***500,000***	1,500 J	ND	ND	ND	NA	190 J	ND<180
207-08-9	BENZO(K)FLUORANTHENE	***1,000***	***3,900***	***56,000***	ND	ND	ND	ND	NA	170 J	ND<180
85-68-7	BENZYL BUTYL PHTHALATE	***100,000***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
92-52-4	BIPHENYL (DIPHENYL)	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
111-91-1	BIS(2-CHLOROETHOXY) METHANE	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	***50,000***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
105-60-2	CAPROLACTAM	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180
86-74-8	CARBAZOLE	***NS***	***NS***	***NS***	ND	ND	ND	ND	NA	ND<920	ND<180

Table 3
Soil Boring Data - SVOCs

Old Land Reclamation
4309 Broadway
Depew, New York

	Monitoring Well	CP-51 SCO Residential	CP-51 Restricted Residential	CP-51 Commercial	SED-1	SED-2	SED-3	SED-4	TW-201	TW-204	TW-206
	Sample Type				S	S	S	S	S	S	S
	Sample Date				9/21/2015	9/21/2015	9/21/2015	9/21/2015	11/17/2015	11/17/2015	11/17/2015
	PID Reading (ppmv)				NA	NA	NA	NA	2.6	0.6	0.3
	Depth of Sample (feet below ground)				NA	NA	NA	NA	6-7	4-8	4-6
CAS #	**Semi-Volatile Organic Compounds (µg/kg)**										
218-01-9	CHRYSENE	*1,000*	*3,900*	*56,000*	ND	ND	ND	ND	NA	260 J	ND<180
55-70-3	DIBENZ(A,H)ANTHRACENE	*330*	*330*	*560*	ND	ND	ND	ND	NA	ND<920	ND<180
132-64-9	DIBENZOFURAN	*NS*	*NS*	*NS*	ND	51 J	ND	ND	NA	130 J	ND<180
84-66-2	DIETHYL PHTHALATE	*NS*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<920	ND<180
131-11-3	DIMETHYL PHTHALATE	*100,000*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<920	ND<180
84-74-2	DI-N-BUTYL PHTHALATE	*100,000*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<920	ND<180
117-84-0	DI-N-OCTYLPHTHALATE	*100,000*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<920	ND<180
206-44-0	FLUORANTHENE	*100,000*	*100,000*	*500,000*	850 J	ND	ND	ND	NA	460 J	ND<180
86-73-7	FLUORENE	*100,000*	*100,000*	*500,000*	ND	44 J	ND	ND	NA	140 J	ND<180
118-74-1	HEXACHLOROBENZENE	*410*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<920	ND<180
87-68-3	HEXACHLOROBUTADIENE	*NS*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<920	ND<180
77-47-4	HEXACHLOROCYCLOPENTADIENE	*NS*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<920	ND<180
67-72-1	HEXACHLOROETHANE	*NS*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<920	ND<180
193-39-5	INDENO(1,2,3-C,D)PYRENE	*500*	*500*	*5,600*	ND	ND	ND	ND	NA	180 J	ND<180
78-59-1	ISOPHORONE	*100,000*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<920	ND<180
91-20-3	NAPHTHALENE	*100,000*	*100,000*	*500,000*	ND	ND	ND	ND	NA	ND<920	ND<180
98-95-3	NITROBENZENE	*3,700*	*15,000*	*69,000*	ND	ND	ND	ND	NA	ND<920	ND<180
621-64-7	N-NITROSODI-N-PROPYLAMINE	*NS*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<920	ND<180
86-30-6	N-NITROSODIPHENYLAMINE	*NS*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<920	ND<180
87-86-5	PENTACHLOROPHENOL	*2,400*	*6,700*	*6,700*	ND	ND	ND	ND	NA	ND<1,800	ND<340
85-01-8	PHENANTHRENE	*100,000*	*100,000*	*500,000*	ND	77 J	ND	ND	NA	260 J	ND<180
108-95-2	PHENOL	*100,000*	*100,000*	*500,000*	ND	ND	ND	ND	NA	ND<920	ND<180
129-00-0	PYRENE	*100,000*	*100,000*	*500,000*	710 J	ND	ND	ND	NA	340 J	ND<180
92-87-5	BENZIDINE	*NS*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<27,000	ND<5,200
	Total SVOCs	*NS*	*NS*	*NS*	3,060	282	ND	ND	NA	2,930	ND<19,700

Notes:
ND = Not detected at or above laboratory detection limits
S = Soil sample collected via macro-core sampler.
PID = photo ionization detector
ppmv = parts per million by volume
µg/kg = Micrograms per kilogram
J = Result is less than the reporting limit, but greater than or equal to method detection limit and the concentration is an approximate value.
B = Analyte was detected in trip blank.
* = LCS or LCSD is outside acceptance limits.
X = Surrogate is outside control limits.
NA = Not applicable/analyzed
CAS = Chemical Abstracts Services
CP-51 SCO = NYSDEC Commissioner Policy 51 Soil Cleanup Objective
NS=No cleanup objective specified by CP-51

Table 4
Soil Boring Data - Pesticides

Old Land Reclamation
4309 Broadway
Depew, New York

Monitoring Well		CP-51 SCO Residential	CP-51 Restricted Residential	CP-51 Commercial	SED-1	SED-2	SED-3	SED-4	TW-201	TW-204	TW-206
Sample Type					S	S	S	S	S	S	S
Sample Date					9/21/2015	9/21/2015	9/21/2015	9/21/2015	11/17/2015	11/17/2015	11/17/2015
PID Reading (ppmv)					NA	NA	NA	NA	2.6	0.6	0.3
Depth of Sample (feet below ground)					NA	NA	NA	NA	6-7	4-8	4-6
CAS #	Pesticides (µg/kg)										
72-54-8	4,4'-DDD	*2,600*	*13,000*	*92,000*	ND	0.96 J	1.0 J	ND	NA	1.2 J	ND<1.7
72-55-9	4,4'-DDE	*1,800*	*8,900*	*62,000*	4.1 J	ND	0.78 J	ND	NA	ND<1.8	ND<1.7
50-29-3	4,4'-DDT	*1,700*	*7,900*	*47,000*	ND	ND	ND	ND	NA	ND<1.8	ND<1.7
309-00-2	Aldrin	*19*	*97*	*680*	ND	ND	ND	ND	NA	ND<1.8	1.9
319-84-6	alpha-BHC	*97*	*480*	*3,400*	ND	ND	0.96 J	ND	NA	0.91 J	ND<1.7
5103-71-9	alpha-Chlordane	*910*	*4,200*	*24,000*	ND	ND	ND	ND	NA	ND<1.8	ND<1.7
319-85-7	beta-BHC	*72*	*360*	*3,000*	ND	ND	ND	ND	NA	0.99 J	ND<1.7
319-86-8	delta-BHC	*100,000*	*100,000*	*500,000*	ND	ND	0.91 J	ND	NA	1.1 J	ND<1.7
60-57-1	Dieldrin	*39*	*200*	*1,400*	ND	ND	ND	ND	NA	ND<1.8	ND<1.7
959-98-8	Endosulfan I	*4,800*	*24,000*	*200,000*	ND	ND	ND	ND	NA	ND<1.8	ND<1.7
33213-65-9	Endosulfan II	*4,800*	*24,000*	*200,000*	ND	ND	ND	ND	NA	ND<1.8	ND<1.7
1031-07-8	Endosulfan Sulfate	*4,800*	*24,000*	*200,000*	ND	ND	ND	ND	NA	0.85 J B	ND<1.7
72-20-8	Endrin	*2,200*	*11,000*	*89,000*	ND	ND	ND	ND	NA	ND<1.8	ND<1.7
7421-93-4	Endrin Aldehyde	*NS*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<1.8	ND<1.7
53494-70-5	Endrin Keytone	*NS*	*NS*	*NS*	ND	ND	ND	ND	NA	0.59 J	ND<1.7
58-89-9	gamma-BHC (Lindane)	*280*	*1,300*	*9,200*	ND	ND	ND	ND	NA	ND<1.8	ND<1.7
12789-03-6	gamma-Chlordane	*540*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<1.8	ND<1.7
76-44-8	Heptachlor	*420*	*2,100*	*15,000*	ND	ND	ND	ND	NA	ND<1.8	ND<1.7
1024-57-3	Heptachlor epoxide	*77*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<1.8	ND<1.7
72-43-5	Methoxychlor	*100,000*	*NS*	*NS*	13 J	2.4	2.0	ND	NA	ND<1.8	ND<1.7
8001-35-2	Toxaphene	*NS*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<18	ND<17

Notes:
ND = Not detected at or above laboratory detection limits
S = Soil sample collected via macro-core sampler.
PID = photo ionization detector
ppmv = parts per million by volume
µg/kg = Micrograms per kilogram
J = Result is less than the reporting limit, but greater than or equal to method detection limit and the concentration is an approximate value.
NA = Not applicable/analyzed
CAS = Chemical Abstracts Services
CP-51 SCO = NYSDEC Commissioner Policy 51 Soil Cleanup Objective
NS=No cleanup objective specified by CP-51

Table 5
Soil Boring Data - PCBs

Old Land Reclamation
4309 Broadway
Depew, New York

Monitoring Well		CP-51 SCO Residential	CP-51 Restricted Residential	CP-51 Commercial	SED-1	SED-2	SED-3	SED-4	TW-201	TW-204	TW-206
Sample Type					S	S	S	S	S	S	S
Sample Date					9/21/2015	9/21/2015	9/21/2015	9/21/2015	11/17/2015	11/17/2015	11/17/2015
PID Reading (ppmv)					NA	NA	NA	NA	2.6	0.6	0.3
Depth of Sample (feet below ground)					NA	NA	NA	NA	6-7	4-8	4-6
CAS #	**Polychlorinated Biphenyls (PCB) (µg/kg)**										
12674-11-2	PCB-1016 (AROCLOR 1016)				ND	ND	ND	ND	NA	ND<250	ND<210
11104-28-2	PCB-1221 (AROCLOR 1221)				ND	ND	ND	ND	NA	ND<250	ND<210
11141-16-5	PCB-1232 (AROCLOR 1232)				ND	ND	ND	ND	NA	ND<250	ND<210
53469-21-9	PCB-1242 (AROCLOR 1242)	*1,000*	*1,000*	*1,000*	ND	ND	ND	ND	NA	ND<250	ND<210
12672-29-6	PCB-1248 (AROCLOR 1248)				ND	ND	ND	ND	NA	ND<250	ND<210
11097-69-1	PCB-1254 (AROCLOR 1254)				ND	ND	ND	ND	NA	ND<250	ND<210
11096-82-5	PCB-1260 (AROCLOR 1260)				ND	ND	ND	ND	NA	ND<250	ND<210
	Total PCBs	*1,000*	*1,000*	*1,000*	ND	ND	ND	ND	NA	ND<1,750	ND<1,470

Notes:
ND = Not detected at or above laboratory detection limits
S = Soil sample collected via macro-core sampler.
PID = photo ionization detector
ppmv = parts per million by volume
µg/kg = Micrograms per kilogram
NA = Not applicable/analyzed
CAS = Chemical Abstracts Services
CP-51 SCO = NYSDEC Commissioner Policy 51 Soil Cleanup Objective
NS=No cleanup objective specified by CP-51

Table 6
Soil Boring Data - Metals and Cyanide

Old Land Reclamation
4309 Broadway
Depew, New York

Monitoring Well		CP-51 SCO Residential	CP-51 Restricted Residential	CP-51 Commercial	SED-1	SED-2	SED-3	SED-4	TW-201	TW-204	TW-206
Sample Type					S	S	S	S	S	S	S
Sample Date					9/21/2015	9/21/2015	9/21/2015	9/21/2015	11/17/2015	11/17/2015	11/17/2015
PID Reading (ppmv)					NA	NA	NA	NA	2.6	0.6	0.3
Depth of Sample (feet below ground)					NA	NA	NA	NA	6-7	4-8	4-6
CAS #	**Metals (µg/kg)**										
7429-90-5	ALUMINUM	*NS*	*NS*	*NS*	7,910,000	2,440,000	2,680,000	2,370,000	NA	6,420,000	6,620,000
7440-36-0	ANTIMONY	*NS*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<16,000	ND<15,900
7440-38-2	ARSENIC	*16,000*	*16,000*	*16,000*	3,800	3,400	1,700 J	4,900	NA	4,100	3,600
7440-39-3	BARIUM	*350,000*	*400,000*	*400,000*	57,400	29,900	15,400	22,800	NA	61,800	42,600
7440-41-7	BERYLLIUM	*14,000*	*72,000*	*590,000*	360 J	130 J	140 J	130 J	NA	320	260
7440-43-9	CADMIUM	*2,500*	*4,300*	*9,300*	470	88 J	420	200 J	NA	560	54 J
7440-70-2	CALCIUM	*NS*	*NS*	*NS*	21,300,000	1,430,000	2,300,000 ^	40,500,000 ^	NA	9,610,000 B	77,800,000 B
7440-47-3	CHROMIUM, TOTAL	*22,000*	*110,000*	*400,000*	11,500	4,000	4,200	4,900	NA	13,100	7,400
7440-48-4	COBALT	*30,000*	*NS*	*NS*	5,500	2,300	2,800	2,400	NA	5,300	3,100
7440-50-8	COPPER	*270,000*	*270,000*	*270,000*	19,200	4,600	9,200	17,600	NA	19,900	7,700
7439-93-2	IRON	*2,000,000*	*NS*	*NS*	**12,800,000**	**9,070,000**	**5,010,000**	**13,000,000**	NA	**13,900,000**	**7,370,000**
7439-92-1	LEAD	*400,000*	*400,000*	*1,000,000*	17,900	7,700	9,800	38,600	NA	265,000	69,400
7439-95-4	MAGNESIUM	*NS*	*NS*	*NS*	4,960,000	1,110,000	1,180,000	8,330,000	NA	3,750,000 B	9,520,000 B
7439-96-5	MANGANESE	*2,000,000*	*2,000,000*	*10,000,000*	239,000 B	46,800 B	38,800 B	131,000 B	NA	270,000 B	200,000 B
7440-02-0	NICKEL	*140,000*	*310,000*	*310,000*	17,400	7,300	7,700	9,200	NA	17,600	8,000
744-09-7	POTASSIUM	*NS*	*NS*	*NS*	1,810,000	623,000	734,000	746,000	NA	1,480,000	723,000
7782-49-2	SELENIUM	*36,000*	*180,000*	*1,500,000*	ND	ND	720 J	ND	NA	ND<4,300	ND<4,200
7440-22-4	SILVER	*36,000*	*180,000*	*1,500,000*	ND	ND	ND	ND	NA	ND<640	ND<640
7440-23-5	SODIUM	*NS*	*NS*	*NS*	200,000 J	87,400 J	83,200 J	158,000 J	NA	90,600 J	173,000
7440-28-0	THALLIUM	*NS*	*NS*	*NS*	ND	ND	ND	ND	NA	ND<6,400	ND<6,400
7440-62-2	VANADIUM	*100,000*	*NS*	*NS*	16,000	6,500	6,100	9,000	NA	13,700	10,500
7440-66-6	ZINC	*2,200,000*	*10,000,000*	*10,000,000*	83,200	21,200	69,200	42,000	NA	203,000	22,600
7439-97-6	MERCURY	*810*	*810*	*2,800*	26 J	ND	11 J	16 J	NA	73	9.9 J
CAS #	**Total Cyanide via 9012B (µg/kg)**										
57-12-5	CYANIDE, TOTAL	*27,000*	*27,000*	*27,000*	NA	NA	NA	NA	NA	ND<1,000 F1	ND<970

Notes:
ND = Not detected at or above laboratory detection limits
S = Soil sample collected via macro-core sampler.
PID = photo ionization detector
ppmv = parts per million by volume
µg/kg = Micrograms per kilogram
J = Result is less than the reporting limit, but greater than or equal to method detection limit and the concentration is an approximate value.
^ =
B = Analyte was detected in trip blank.
F1 = MS and/or MSD Recovery is outside acceptance limits.
NA = Not applicable/analyzed
CAS = Chemical Abstracts Services
CP-51 SCO = NYSDEC Commissioner Policy 51 Soil Cleanup Objective
NS=No cleanup objective specified by CP-51.

Table 7
Groundwater Gauging and Analytical Data - VOCs

Old Land Reclamation
4309 Broadway
Depew, New York

Monitoring Well			SW-1	SW-2	SW-3	SW-1	SW-2	TW-201	TW-202	TW-203	TW-204	TW-205	TW-206	TW-207	TW-208	TW-209	TW-210	MW-4A	MW-4B	MW-4B	MW-4B	TB-1	TB-2	TB-3	TB-4
Sample Type	TOGS 1.1.1 GA - H(WS)	TOGS 1.1.1 GA - E	Seep Water	Seep Water	Seep Water	Surface Water	Surface Water	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	MS	MSD	DI Water	DI Water	DI Water	DI Water
Sample Date			5/14/2013	5/14/2013	5/14/2013	9/21/2015	9/21/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015
Depth to Water (feet below top-of-casing)			NA	NA	NA	NA	NA	5.92	6.18	6.57	7.84	10.23	10.45	12.70	8.75	8.75	7.33	23.77	23.70	23.70	23.70	NA	NA	NA	NA
TOC Elevation (feet above mean sea level)			NA	NA	NA	NA	NA	624.76	624.95	627.63	626.17	628.46	629.16	629.16	626.69	627.60	627.30	644.75	NA	NA	NA	NA	NA	NA	NA
Groundwater Elevation (feet above mean sea level)			NA	NA	NA	NA	NA	618.84	618.77	621.06	618.33	618.23	618.71	616.46	617.94	618.85	619.97	620.98	NA	NA	NA	NA	NA	NA	NA
CAS #	Volatile Organic Compounds via 8260C (µg/L)																								
71-55-6	1,1,1-TRICHLOROETHANE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
79-34-5	1,1,2,2-TETRACHLOROETHANE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
79-00-5	1,1,2-TRICHLOROETHANE	*1*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
75-34-3	1,1-DICHLOROETHANE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
75-35-4	1,1-DICHLOROETHENE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
120-82-1	1,2,4-TRICHLOROBENZENE	*5*	*10 (G)*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	*0.04*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	*0.0006*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
95-50-1	1,2-DICHLOROBENZENE	*3'*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
107-06-2	1,2-DICHLOROETHANE	*0.6*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
78-87-5	1,2-DICHLOROPROPANE	*1*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
541-73-1	1,3-DICHLOROBENZENE	*3'*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
106-46-7	1,4-DICHLOROBENZENE	*3'*	*NS*	**9.2 J**	**9.7 J**	ND	ND	ND	ND<10	ND<10	ND<10	**9.4 J**	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	**12**	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	*50 (G)*	*NS*	ND	ND	ND	ND	ND	ND<100	ND<100	ND<100	ND<100	ND<100	NA	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<10	ND<10	ND<10	ND<10	ND<10
591-78-6	2-HEXANONE	*50 (G)*	*NS*	ND	ND	ND	ND	ND	ND<50	ND<50	ND<50	ND<50	ND<50	NA	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0
108-10-1	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE)	*NS*	*NS*	ND	ND	ND	ND	ND	ND<50	ND<50	ND<50	ND<50	ND<50	NA	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0
67-64-1	ACETONE	*50 (G)*	*NS*	ND	ND	ND	ND	ND	ND<100	ND<100	ND<100	ND<100	ND<100	NA	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<10	ND<10	ND<10	ND<10	ND<10
71-43-2	BENZENE	*1*	*NS*	**22**	**18**	**11**	ND	ND	ND<10	**6.0 J**	**5.8 J**	**16**	**13**	NA	**20**	**6.7 J**	**6.0 J**	ND<10	ND<10	**21**	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
75-27-4	BROMODICHLOROMETHANE	*50 (G)*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
75-25-2	BROMOFORM	*50 (G)*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
74-83-9	BROMOMETHANE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
75-15-0	CARBON DISULFIDE	*NS*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
56-23-5	CARBON TETRACHLORIDE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
108-90-7	CHLOROBENZENE	*5*	*NS*	**120**	**62**	**21**	ND	2.2	**23**	**34**	**23**	**120**	**74**	NA	**28**	**16**	**15**	ND<10	ND<10	**90**	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
75-00-3	CHLOROETHANE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
67-66-3	CHLOROFORM	*7*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
74-87-3	CHLOROMETHANE (METHYL CHLORIDE)	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
156-59-2	CIS-1,2-DICHLOROETHENE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
10061-01-5	CIS-1,3-DICHLOROPROPENE	*0.4'*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
110-82-7	CYCLOHEXANE	*NS*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	9.2	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
124-48-1	DIBROMOCHLOROMETHANE	*50 (G)*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
75-71-8	DICHLORODIFLUOROMETHANE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
100-41-4	ETHYLBENZENE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
98-82-8	ISOPROPYLBENZENE (CUMENE)	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	**12**	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
79-20-9	METHYL ACETATE	*NS*	*NS*	ND	ND	ND	ND	ND	ND<25	ND<25	ND<25	ND<25	ND<25	NA	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<2.5	ND<2.5	ND<2.5	ND<2.5
108-87-2	METHYLCYCLOHEXANE	*NS*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	4.1 J	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
75-09-2	METHYLENE CHLORIDE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
100-42-5	STYRENE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1634-04-4	METHYL TERT-BUTYL ETHER	*NS*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
127-18-4	TETRACHLOROETHENE(PCE)	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
108-88-3	TOLUENE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
156-60-5	TRANS-1,2-DICHLOROETHENE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
10061-02-6	TRANS-1,3-DICHLOROPROPENE	*0.4'*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
79-01-6	TRICHLOROETHENE (TCE)	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
75-69-4	TRICHLOROFLUOROMETHANE	*5*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
75-01-4	VINYL CHLORIDE	*2*	*NS*	ND	ND	ND	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	NA	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1330-20-7	XYLENES, TOTAL	*15'*	*NS*	ND	ND	ND	ND	ND	ND<20	ND<20	ND<20	ND<20	ND<20	NA	14 J	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Total VOCs (µg/L)		*NS*	*NS*	151.2	89.7	32	ND	2.2	23	40	28.8	145.4	87	NA	74	22.7	21.0	ND<765	13.3	ND<765	ND<765	ND<765	ND<76.5	ND<76.5	ND<76.5	ND<76.5

Notes:
ND = not detected at or above laboratory detection limits
GW = groundwater purge and sample via dispossable bailer
µg/L = micrograms per liter
J = Result is less than the reporting limit, but greater than or equal to method detection limit and the concentration is an approximate value.
NA = Not applicable/analyzed
CAS = Chemical Abstracts Services
TOGS 1.1.1 = NYSDEC Ambient water quality standards and guidance values
GA - H(WS) = Groundwater class for the protection of drinking water
GA - E = Groundwater class for the protection of fresh water
NS=No standard or guidance value specified by TOGS 1.1.1
G = Guidance value for TOGS 1.1.1
' = standard applies to sum of all isomers of the indicated analyte
ND** = Analyte cannot be detected to meet TOGS 1.1.1

Table 8
Groundwater Gauging and Analytical Data - SVOCs

Old Land Reclamation
4309 Broadway
Depew, New York

Monitoring Well		TOGS 1.1.1 GA - H(WS)	TOGS 1.1.1 GA - E	SW-1	SW-2	SW-3	SW-1	SW-2	TW-201	TW-202	TW-203	TW-204	TW-205	TW-206	TW-207	TW-208	TW-209	TW-210	MW-4A	MW-4B
Sample Type				Seep Water	Seep Water	Seep Water	Surface Water	Surface Water	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW
Sample Date				5/14/2013	5/14/2013	5/14/2013	9/21/2015	9/21/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015
Depth to Water (feet below top-of-casing)				NA	NA	NA	NA	NA	5.92	6.18	6.57	7.84	10.23	10.45	12.70	8.75	8.75	7.33	23.77	23.70
TOC Elevation (feet above mean sea level)				NA	NA	NA	NA	NA	624.76	624.95	627.63	626.17	628.46	629.16	629.16	626.69	627.60	627.30	644.75	NA
Groundwater Elevation (feet above mean sea level)				NA	NA	NA	NA	NA	618.84	618.77	621.06	618.33	618.23	618.71	616.46	617.94	618.85	619.97	620.98	NA
CAS #	Semi-Volatile Organic Compounds (µg/L)																			
95-95-4	2,4,5-TRICHLOROPHENOL	*NS*	*1'*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
88-06-2	2,4,6-TRICHLOROPHENOL	*NS*	*1'*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
120-83-2	2,4-DICHLOROPHENOL	*5*	*1'*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
105-67-9	2,4-DIMETHYLPHENOL	*50 (G)*	*1'*	**0.49 J**	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
51-28-5	2,4-DINITROPHENOL	*10 (G)*	*1'*	ND	ND	ND	ND	ND	ND<9.9	ND<9.7	ND<9.8	ND<43	ND<10	NA	ND<41	ND<12	ND<220	ND<100	ND<470	ND<200
121-14-2	2,4-DINITROTOLUENE	*5*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
606-20-2	2,6-DINITROTOLUENE	*5*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
91-58-7	2-CHLORONAPHTHALENE	*NS*	*10 (G)*	ND	0.67 J	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
95-57-8	2-CHLOROPHENOL	*NS*	*1'*	**1.0 J**	**1.3 J**	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	0.71 J	NA	ND<20	0.66 J	ND<110	ND<52	ND<230	ND<110
91-57-6	2-METHYLNAPHTHALENE	*NS*	*NS*	7.9	0.59 J	1.6 J	ND	0.67 J	ND<5.0	ND<4.8	ND<4.9	5.6 J	7.2	NA	3.5 J	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
95-48-7	2-METHYLPHENOL (O-CRESOL)	*NS*	*1'*	ND	**0.88 J**	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
88-74-4	2-NITROANILINE	*5*	*NS*	ND	ND	ND	ND	ND	ND<9.9	ND<9.7	ND<9.8	ND<43	ND<10	NA	ND<41	ND<12	ND<220	ND<100	ND<470	ND<200 F1
88-75-5	2-NITROPHENOL	*NS*	*1'*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
91-94-1	3,3'-DICHLOROBENZIDINE	*5*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
99-09-2	3-NITROANILINE	*5*	*NS*	ND	ND	ND	ND	ND	ND<9.9	ND<9.7	ND<9.8	ND<43	ND<10	NA	ND<41	ND<12	ND<220	ND<100	ND<470	ND<200 F1
534-52-1	4,6-DINITRO-2-METHYLPHENOL	*NS*	*1'*	ND	ND	ND	ND	ND	ND<9.9	ND<9.7	ND<9.8	ND<43	ND<10	NA	ND<41	ND<12	ND<220	ND<100	ND<470	ND<200
101-55-3	4-BROMOPHENYL PHENYL ETHER	*NS*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
59-50-7	4-CHLORO-3-METHYLPHENOL	*NS*	*1'*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
106-47-8	4-CHLOROANILINE	*5*	*NS*	ND	**92**	ND	ND	2.6 J F1	4.8 J	**13**	ND<4.9	**7.1 J**	**120**	NA	**53**	**63**	**20 J**	**7.8 J**	ND<230	ND<110 F1
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	*NS*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
106-44-5	4-METHYLPHENOL (P-CRESOL)	*NS*	*1'*	**0.64 J**	**0.84 J**	ND	ND	ND	ND<9.9	ND<9.7	ND<9.8	ND<43	ND<10	NA	ND<41	ND<12	ND<220	ND<100	ND<470	ND<200
100-01-6	4-NITROANILINE	*5*	*NS*	ND	ND	ND	ND	ND	ND<9.9	ND<9.7	ND<9.8	ND<43	ND<10	NA	ND<41	ND<12	ND<220	ND<100	ND<470	ND<200
100-02-7	4-NITROPHENOL	*NS*	*1'*	ND	ND	ND	ND	ND	ND<9.9	ND<9.7	ND<9.8	ND<43	ND<10	NA	ND<41	ND<12	ND<220	ND<100	ND<470	ND<200 F1
83-32-9	ACENAPHTHENE	*NS*	*20 (G)*	4.8	2.9 J	4.8	ND	ND	0.49 J	ND<4.8	1.2 J	6.4 J	1.5 J	NA	3.8 J	0.71 J	ND<110	ND<52	ND<230	ND<110 F1
208-96-8	ACENAPHTHYLENE	*NS*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
98-86-2	ACETOPHENONE	*NS*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
120-12-7	ANTHRACENE	*50 (G)*	*NS*	0.38 J	ND	0.62 J	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
1912-24-9	ATRAZINE	*7.5*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
100-52-7	BENZALDEHYDE	*NS*	*NS*	0.54 J	0.93 J	1.3 J	0.27 J B	0.50 J B	1.4 JB	1.2 JB	1.2 JB	ND<21	1.6 JB	NA	2.3 JB	1.8 JB	ND<110	ND<52	ND<230	ND<110
56-55-3	BENZO(A)ANTHRACENE	*0.002(G)*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
50-32-8	BENZO(A)PYRENE	*ND***	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
205-99-2	BENZO(B)FLUORANTHENE	*0.002 (G)*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
191-24-2	BENZO(G,H,I)PERYLENE	*NS*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
207-08-9	BENZO(K)FLUORANTHENE	*0.002 (G)*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
85-68-7	BENZYL BUTYL PHTHALATE	*50 (G)*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
92-52-4	BIPHENYL (DIPHENYL)	*5*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F2
111-91-1	BIS(2-CHLOROETHOXY) METHANE	*5*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	*1.0*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	*5*	*NS*	ND	1.2 J	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	*5*	*NS*	ND	ND	ND	1.7 J B	1.9 J B F1	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
105-60-2	CAPROLACTAM	*NS*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
86-74-8	CARBAZOLE	*NS*	*NS*	0.94 J	ND	1.4 J	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110

Table 8
Groundwater Gauging and Analytical Data - SVOCs

Old Land Reclamation
4309 Broadway
Depew, New York

Monitoring Well		TOGS 1.1.1 GA - H(WS)	TOGS 1.1.1 GA - E	SW-1	SW-2	SW-3	SW-1	SW-2	TW-201	TW-202	TW-203	TW-204	TW-205	TW-206	TW-207	TW-208	TW-209	TW-210	MW-4A	MW-4B
Sample Type				Seep Water	Seep Water	Seep Water	Surface Water	Surface Water	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW
Sample Date				5/14/2013	5/14/2013	5/14/2013	9/21/2015	9/21/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015
Depth to Water (feet below top-of-casing)				NA	NA	NA	NA	NA	5.92	6.18	6.57	7.84	10.23	10.45	12.70	8.75	8.75	7.33	23.77	23.70
TOC Elevation (feet above mean sea level)				NA	NA	NA	NA	NA	624.76	624.95	627.63	626.17	628.46	629.16	629.16	626.69	627.60	627.30	644.75	NA
Groundwater Elevation (feet above mean sea level)				NA	NA	NA	NA	NA	618.84	618.77	621.06	618.33	618.23	618.71	616.46	617.94	618.85	619.97	620.98	NA
CAS #	Semi-Volatile Organic Compounds (µg/L)																			
218-01-9	CHRYSENE	*0.002 (G)*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
55-70-3	DIBENZ(A,H)ANTHRACENE	*NS*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
132-64-9	DIBENZOFURAN	*NS*	*NS*	2.8 J	1.3 J	3.1 J	ND	ND	ND<9.9	ND<9.7	0.70 J	3.4 J	ND<10	NA	ND<41	ND<12	ND<220	ND<100	ND<470	ND<200
84-66-2	DIETHYL PHTHALATE	*50 (G)*	*NS*	0.79 J	0.47 J	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	0.36 J	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
131-11-3	DIMETHYL PHTHALATE	*50 (G)*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
84-74-2	DI-N-BUTYL PHTHALATE	*50*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
117-84-0	DI-N-OCTYLPHTHALATE	*50 (G)*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
206-44-0	FLUORANTHENE	*50 (G)*	*NS*	ND	ND	0.75 J	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	12 J F1
86-73-7	FLUORENE	*50 (G)*	*NS*	3.2 J	1.2 J	3.8 J	ND	ND	ND<5.0	ND<4.8	0.95 J	3.7 J	0.56 J	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
118-74-1	HEXACHLOROBENZENE	*0.04*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
87-68-3	HEXACHLOROBUTADIENE	*0.5*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
77-47-4	HEXACHLOROCYCLOPENTADIENE	*5*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
67-72-1	HEXACHLOROETHANE	*5*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
193-39-5	INDENO(1,2,3-C,D)PYRENE	*0.002 (G)*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
78-59-1	ISOPHORONE	*50 (G)*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
91-20-3	NAPHTHALENE	*NS*	*10 (G)*	6.2	2.4 J	1.1 J	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
98-95-3	NITROBENZENE	*0.4*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110
621-64-7	N-NITROSODI-N-PROPYLAMINE	*NS*	*NS*	ND	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	ND<110 F1
86-30-6	N-NITROSODIPHENYLAMINE	*50 (G)*	*NS*	2.2 J	1.5 J	4.2 J	ND	ND	0.76 J	ND<4.8	1.9 J	ND<21	1.1 J	NA	ND<20	1.2 J	ND<110	ND<52	ND<230	ND<110
87-86-5	PENTACHLOROPHENOL	*NS*	*1'*	ND	ND	ND	ND	ND	ND<9.9	ND<9.7	ND<9.8	ND<43	ND<10	NA	ND<41	ND<12	ND<220	ND<100	ND<470	ND<200
85-01-8	PHENANTHRENE	*50 (G)*	*NS*	3.1 J	0.85 J	3.3 J	ND	ND	ND<5.0	ND<4.8	0.51 J	2.1 J	0.49 J	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	13 J F1
108-95-2	PHENOL	*NS*	*1'*	**0.64 J**	ND	ND	ND	ND	ND<5.0 *	ND<4.8 *	ND<4.9 *	ND<21 *	ND<5.0 *	NA	ND<20 *	ND<6.2 *	ND<110 *	ND<52 *	ND<230 *	ND<110 F2 F1*
129-00-0	PYRENE	*50 (G)*	*NS*	0.34 J	ND	ND	ND	ND	ND<5.0	ND<4.8	ND<4.9	ND<21	ND<5.0	NA	ND<20	ND<6.2	ND<110	ND<52	ND<230	8.0 J F1
92-87-5	BENZIDINE	*5*	*NS*	ND	ND	0.50 J	ND	ND	ND<79	ND<76	ND<78	ND<340	ND<80	NA	ND<330	ND<100	ND<1,800	ND<830	ND<3,700	ND<1,600
	Total SVOCs	*NS*	*NS*	35.96	109.03	26.47	1.97	5.67	7.45	14.2	6.46	28.3	133.52	NA	62.6	67.37	20	7.8	ND<20,810	33.0

Notes:
ND = not detected at or above laboratory detection limits
GW = groundwater purge and sample via dispossable bailer
µg/L = micrograms per liter
J = Result is less than the reporting limit, but greater than or equal to method detection limit and the concentration is an approximate value.
* = LCS or LCSD is outside acceptance limits.
F1 = MS and/or MSD Recovery is outside acceptance limits.
F2 = MS/MSD RPD exceeds control limits.
NA = Not applicable/analyzed
CAS = Chemical Abstracts Services
TOGS 1.1.1 = NYSDEC Ambient water quality standards and guidance values
GA - H(WS) = Groundwater class for the protection of drinking water
GA - E = Groundwater class for the protection of fresh water
NS=No standard or guidance value specified by TOGS 1.1.1
G = Guidance value for TOGS 1.1.1
' = standard applies to sum of all isomers of the indicated analyte
ND** = Analyte cannot be detected to meet TOGS 1.1.1

Table 9
Groundwater Gauging and Analytical Data - Pesticides

Old Land Reclamation
4309 Broadway
Depew, New York

Monitoring Well		TOGS 1.1.1 GA - H(WS)	TOGS 1.1.1 GA - E	SW-1	SW-2	TW-201	TW-202	TW-203	TW-204	TW-205	TW-206	TW-207	TW-208	TW-209	TW-210	MW-4A	MW-4B
Sample Type				GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW
Sample Date				9/21/2015	9/21/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015
Depth to Water (feet below top-of-casing)				NA	NA	5.92	6.18	6.57	7.84	10.23	10.45	12.70	8.75	8.75	7.33	23.77	23.70
TOC Elevation (feet above mean sea level)				NA	NA	624.76	624.95	627.63	626.17	628.46	629.16	629.16	626.69	627.60	627.30	644.75	NA
Groundwater Elevation (feet above mean sea level)				NA	NA	618.84	618.77	621.06	618.33	618.23	618.71	616.46	617.94	618.85	619.97	620.98	NA
CAS #	Pesticides via 8081A (µg/L)																
72-54-8	4,4'-DDD	*0.3*	*NS*	ND	ND	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	0.089 J	ND<1.1	ND<0.98	0.26 J	ND<0.049	ND<0.95
72-55-9	4,4'-DDE	*0.2*	*NS*	ND	ND	ND<0.93	0.062 J	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	ND<1.1	ND<0.98	ND<0.97	ND<0.049	ND<0.95
50-29-3	4,4'-DDT	*0.2*	*NS*	ND	0.15 J B	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	ND<1.1	ND<0.98	ND<0.97	ND<0.049	ND<0.95 F1
309-00-2	Aldrin	*ND***	*NS*	ND	ND	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	ND<1.1	ND<0.98	ND<0.97	ND<0.049	ND<0.95 F1
319-84-6	alpha-BHC	*0.01*	*NS*	ND	ND	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	**0.047 J B**	ND<1.1	ND<0.98	**0.22 J B**	ND<0.049	ND<0.95
319-85-7	beta-BHC	*0.04*	*NS*	ND	ND	ND<0.93	**0.17 J**	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	ND<1.1	ND<0.98	ND<0.97	0.030 J	ND<0.95
319-86-8	delta-BHC	*0.04*	*NS*	ND	ND	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	**0.55 J B**	ND<0.98	**0.49 J B**	ND<0.049	**0.47 J B**
60-57-1	Dieldrin	*0.004*	*NS*	ND	ND	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	ND<1.1	ND<0.98	**0.20 J**	ND<0.049	ND<0.95
959-98-8	Endosulfan I	*NS*	*NS*	ND	ND	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	ND<1.1	ND<0.98	ND<0.97	ND<0.049	ND<0.95 F1
33213-65-9	Endosulfan II	*NS*	*NS*	ND	ND	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	ND<1.1	ND<0.98	ND<0.97	ND<0.049	ND<0.95
1031-07-8	Endosulfan Sulfate	*NS*	*NS*	ND	ND	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	ND<1.1	ND<0.98	ND<0.97	ND<0.049	ND<0.95
72-20-8	Endrin	*ND***	*NS*	ND	ND	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	ND<1.1	ND<0.98	ND<0.97	ND<0.049	ND<0.95
7421-93-4	Endrin Aldehyde	*5*	*NS*	ND	ND	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	ND<1.1	ND<0.98	ND<0.97	ND<0.049	ND<0.95 F1
53494-70-5	Endrin Keytone	*5*	*NS*	0.014 J B	ND	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	ND<1.1	ND<0.98	ND<0.97	ND<0.049	ND<0.95
58-89-9	gamma-BHC (Lindane)	*0.05*	*NS*	0.013 J	ND	ND<0.93	ND<0.24	ND<0.94	**0.11 J**	**0.24 J**	NA	ND<0.24	**0.22 J**	ND<0.98	**0.22 J**	ND<0.049	ND<0.95
12789-03-6	gamma-Chlordane	*0.05"*	*NS*	ND	ND	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	ND<1.1	ND<0.98	ND<0.97	ND<0.049	ND<0.95
76-44-8	Heptachlor	*0.04*	*NS*	ND	**0.046 J**	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	ND<1.1	ND<0.98	ND<0.97	ND<0.049	ND<0.95 F1
1024-57-3	Heptachlor epoxide	*0.03*	*NS*	ND	ND	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	ND<1.1	ND<0.98	ND<0.97	ND<0.049	ND<0.95 F1
72-43-5	Methoxychlor	*35*	*NS*	0.034 J	ND	ND<0.93	ND<0.24	ND<0.94	ND<0.50	ND<1.2	NA	ND<0.24	ND<1.1	ND<0.98	ND<0.97	ND<0.049	0.30 J
8001-35-2	Toxaphene	*0.06*	*NS*	ND	ND	ND<9.3	ND<2.4	ND<9.4	ND<5.0	ND<12	NA	ND<2.4	ND<11	ND<9.8	ND>9.7	ND<0.49	ND<9.5

Notes:
ND = not detected at or above laboratory detection limits
GW = groundwater purge and sample via dispossable bailer
µg/L = micrograms per liter
J = Result is less than the reporting limit, but greater than or equal to method detection limit and the concentration is an approximate value.
B = Compound was found in the blank sample.
F1 = MS and/or MSD Recovery is outside acceptance limits.
NA = Not applicable/analyzed
CAS = Chemical Abstracts Services
TOGS 1.1.1 = NYSDEC Ambient water quality standards and guidance values
GA - H(WS) = Groundwater class for the protection of drinking water
GA - E = Groundwater class for the protection of fresh water
NS=No standard or guidance value specified by TOGS 1.1.1
G = Guidance value for TOGS 1.1.1
' = standard applies to sum of all isomers of the indicated analyte
ND** = Analyte cannot be detected to meet TOGS 1.1.1
" = Standard applies to Chlordane

Table 10
Groundwater Gauging and Analytical Data - PCBs

Old Land Reclamation
4309 Broadway
Depew, New York

Monitoring Well			SW-1	SW-2	TW-201	TW-202	TW-203	TW-204	TW-205	TW-206	TW-207	TW-208	TW-209	TW-210	MW-4A	MW-4B
Sample Type			GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW
Sample Date	TOGS 1.1.1 GA - H(WS)	TOGS 1.1.1 GA - E	9/21/2015	9/21/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015
Depth to Water (feet below top-of-casing)			NA	NA	5.92	6.18	6.57	7.84	10.23	10.45	12.70	8.75	8.75	7.33	23.77	23.70
TOC Elevation (feet above mean sea level)			NA	NA	624.76	624.95	627.63	626.17	628.46	629.16	629.16	626.69	627.60	627.30	644.75	NA
Groundwater Elevation (feet above mean sea level)			NA	NA	618.84	618.77	621.06	618.33	618.23	618.71	616.46	617.94	618.85	619.97	620.98	NA
CAS #	**Polychlorinated Biphenyls (PCB) (µg/L)**															
12674-11-2	PCB-1016 (AROCLOR 1016)	*NS*	ND	ND	ND<0.49	ND<0.48	ND<0.47	ND<0.54	ND<0.50	NA	ND<0.49	ND<0.50	ND<0.48	ND<0.46	ND<0.47	ND<0.49
11104-28-2	PCB-1221 (AROCLOR 1221)	*NS*	ND	ND	ND<0.49	ND<0.48	ND<0.47	ND<0.54	ND<0.50	NA	ND<0.49	ND<0.50	ND<0.48	ND<0.46	ND<0.47	ND<0.49
11141-16-5	PCB-1232 (AROCLOR 1232)	*NS*	ND	ND	ND<0.49	ND<0.48	ND<0.47	**0.90**	ND<0.50	NA	**0.29 J**	ND<0.50	**2.0**	ND<0.46	ND<0.47	**1.9**
53469-21-9	PCB-1242 (AROCLOR 1242)	*NS*	ND	ND	ND<0.49	ND<0.48	ND<0.47	ND<0.54	ND<0.50	NA	ND<0.49	ND<0.50	ND<0.48	**0.49**	ND<0.47	ND<0.49
12672-29-6	PCB-1248 (AROCLOR 1248)	*NS*	ND	ND	ND<0.49	ND<0.48	ND<0.47	ND<0.54	ND<0.50	NA	ND<0.49	ND<0.50	ND<0.48	ND<0.46	ND<0.47	ND<0.49
11097-69-1	PCB-1254 (AROCLOR 1254)	*NS*	ND	ND	ND<0.49	ND<0.48	ND<0.47	ND<0.54	ND<0.50	NA	ND<0.49	ND<0.50	**1.1**	**0.27 J**	ND<0.47	**0.42 J**
11096-82-5	PCB-1260 (AROCLOR 1260)	*NS*	ND	ND	ND<0.49	ND<0.48	ND<0.47	ND<0.54	ND<0.50	NA	ND<0.49	ND<0.50	**0.53**	ND<0.46	ND<0.47	ND<0.49
Total PCBs	*0.09*	*NS*	ND	ND	ND<3.43	ND<3.36	ND<3.29	**0.9**	ND<3.50	NA	**0.29**	ND<3.50	**3.63**	**0.76**	ND<3.29	**2.32**

Notes:
ND = not detected at or above laboratory detection limits
GW = groundwater purge and sample via dispossable bailer
µg/L = micrograms per liter
J = Result is less than the reporting limit, but greater than or equal to method detection limit and the concentration is an approximate value.
NA = Not applicable/analyzed
CAS = Chemical Abstracts Services
TOGS 1.1.1 = NYSDEC Ambient water quality standards and guidance values
GA - H(WS) = Groundwater class for the protection of drinking water
GA - E = Groundwater class for the protection of fresh water
NS=No standard or guidance value specified by TOGS 1.1.1
G = Guidance value for TOGS 1.1.1
' = standard applies to sum of all isomers of the indicated analyte
ND** = Analyte cannot be detected to meet TOGS 1.1.1

Table 11
Groundwater Gauging and Analytical Data - Metals and Cyanide

Old Land Reclamation
4309 Broadway
Depew, New York

Monitoring Well			SW-1	SW-2	TW-201	TW-202	TW-203	TW-204	TW-205	TW-206	TW-207	TW-208	TW-209	TW-210	MW-4A	MW-4B
Sample Type			GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW
Sample Date	TOGS 1.1.1 GA - H(WS)	TOGS 1.1.1 GA - E	9/21/2015	9/21/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015
Depth to Water (feet below top-of-casing)			NA	NA	5.92	6.18	6.57	7.84	10.23	10.45	12.70	8.75	8.75	7.33	23.77	23.70
TOC Elevation (feet above mean sea level)			NA	NA	624.76	624.95	627.63	626.17	628.46	629.16	629.16	626.69	627.60	627.30	644.75	NA
Groundwater Elevation (feet above mean sea level)			NA	NA	618.84	618.77	621.06	618.33	618.23	618.71	616.46	617.94	618.85	619.97	620.98	NA
CAS #	**Metals via 6010C (µg/L)**															
7429-90-5	ALUMINUM	*NS*	*NS*	120 J	65 J	13,300	12,000	4,900	143,000	14,200	NA	19,400	50,200	19,400	8,100	95 J	1,200 F1 F2
7440-36-0	ANTIMONY	*3*	*NS*	ND	ND	ND<20	ND<20	ND<20	**13 J**	ND<20	NA	ND<20	ND<20	**13 J**	ND<20	ND<20	ND<20
7440-38-2	ARSENIC	*25*	*NS*	ND	ND	**29**	**28**	ND<15	**390**	**30**	NA	13 J	**110**	17	11 J	ND<15	ND<15
7440-39-3	BARIUM	*1,000*	*NS*	66	180	540 B	580 B	520 B	**1,600 B**	650 B	NA	690 B	770 B	780 B	580 B	160 B	430 B F1
7440-41-7	BERYLLIUM	*3 (G)*	*NS*	ND	ND	0.69 J	0.59 J	ND<2.0	**8.1**	0.72 J	NA	1.1 J	2.8	0.54 J	0.39 J	ND<2.0	ND<2.0
7440-43-9	CADMIUM	*5*	*NS*	ND	ND	0.75 J	ND<2.0	ND<2.0	**29**	0.83 J	NA	1.1 J	1.2 J	**9.5**	**7.1**	ND<2.0	ND<2.0
7440-70-2	CALCIUM	*NS*	*NS*	56,600	108,000	236,000 B ^	201,000 B ^	203,000 B ^	294,000 B ^	280,000 B ^	NA	265,000 B ^	324,000 B ^	227,000 B ^	233,000 B ^	113,000 B ^	240,000 B ^
7440-47-3	CHROMIUM, TOTAL	*50*	*NS*	ND	ND	21 B	20 B	9.5 B	**280 B**	29 B	NA	**55 B**	**88 B**	**100 B**	30 B	ND<4.0	6.0 B
7440-48-4	COBALT	*NS*	*NS*	ND	1.2 J	15	9.7	2.3 J	310	14	NA	16	58	10	7.2	ND<4.0	ND<4.0
7440-50-8	COPPER	*200*	*NS*	2.8 J B	2.0 J B	46 B	27 B	7.0 J B	**590 B**	43 B	NA	75 B	140 B	**220 B**	75 B	ND<10	4.7 J B
7439-93-2	IRON	*NS*	*300*	**400**	**3,200**	**73,300 B ^**	**69,900 B ^**	**44,800 B ^**	**552,000 B ^**	**71,800 B ^**	NA	**71,700 B ^**	**151,000 B ^**	**90,000 B ^**	**48,100 B ^**	**1,900 B**	**48,800 B ^ F2**
7439-92-1	LEAD	*25*	*NS*	ND	3.8 J	**32**	**22**	**54**	**2,000**	**29**	NA	**260**	**100**	**660**	**780**	ND<10	18 F1 F2
7439-95-4	MAGNESIUM	*35,000 (G)*	*NS*	11,800	**35,100 F1**	**64,800**	**77,500**	**47,200**	**109,000**	**77,800**	NA	**63,400**	**90,000**	**64,600**	**61,100**	**104,000**	**42,600**
7439-96-5	MANGANESE	*NS*	*300*	36 B	220 B	**1,000 B**	**760 B**	**560 B**	**10,600 B**	**900 B**	NA	**1,400 B**	**1,900 B**	**1,100 B**	**1,200 B**	64 B	**970 B**
7440-02-0	NICKEL	*100*	*NS*	2.2 J	4.1 J	39	36	8.6 J	**830**	43	NA	61	**190**	**200**	35	1.7 J	3.2 J
744-09-7	POTASSIUM	*NS*	*NS*	3,900	24,200 F1	42,900	60,000	31,200	53,700	50,000	NA	40,900	48,800	41,200	37,100	106,000	23,500 F1
7782-49-2	SELENIUM	*10*	*NS*	ND	ND	ND<25	ND<25	ND<25	**31**	ND<25	NA	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25
7440-22-4	SILVER	*50*	*NS*	ND	ND	ND<6.0	ND<6.0	ND<6.0	ND<6.0	ND<6.0	NA	ND<6.0	ND<6.0	ND<6.0	ND<6.0	ND<6.0	ND<6.0
7440-23-5	SODIUM	*20,000*	*NS*	**40,400**	**69,900**	**60,800**	**97,500**	**36,100**	**46,400**	**64,600**	NA	**49,600**	**62,200**	**60,000**	**61,600**	**504,000**	**25,200 F1**
7440-28-0	THALLIUM	*0.5 (G)*	*NS*	ND	ND	ND<20	ND<20	ND<20	ND<20	ND<20	NA	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20
7440-62-2	VANADIUM	*NS*	*NS*	ND	ND	31	ND<5.0	8.5	320	35	NA	41	120	32	16	ND<5.0	2.9 J
7440-66-6	ZINC	*2,000 (G)*	*5,000 (G)*	ND	3.3 J	160 B	ND<10	86 B	**6,900 B**	180 B	NA	330 B	490 B	2,000 B	**2,600 B**	5.3 J B	40 B F1 F2
7439-97-6	MERCURY	*0.7*	*NS*	ND	ND	ND<0.20	ND<0.20	ND<0.20	**4.0**	ND<0.20	NA	0.18 J	0.34	**0.99**	0.45	ND<0.20	ND<0.20
CAS #	**Total Cyanide via 9012B (µg/L)**															
57-12-5	CYANIDE, TOTAL	*200*	*NS*	5.7 J	ND	ND<10	6.8 J	17	20	6.2 J	NA	ND<10	ND<10	5.7 J	ND<10	ND<10	9.0 J

Notes:
ND = not detected at or above laboratory detection limits
GW = groundwater purge and sample via dispossable bailer
µg/L = micrograms per liter
J = Result is less than the reporting limit, but greater than or equal to method detection limit and the concentration is an approximate value.
B = Compound was found in the blank sample.
^ = ICV, CCV, ICB, CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Insturment related QC is outside accpetance limits.
F1 = MS and/or MSD Recovery is outside acceptance limits.
F2 = MS/MSD RPD exceeds control limits.
NA = Not applicable/analyzed
CAS = Chemical Abstracts Services
TOGS 1.1.1 = NYSDEC Ambient water quality standards and guidance values
GA - H(WS) = Groundwater class for the protection of drinking water
GA - E = Groundwater class for the protection of fresh water
NS=No standard or guidance value specified by TOGS 1.1.1
G = Guidance value for TOGS 1.1.1
' = standard applies to sum of all isomers of the indicated analyte
ND** = Analyte cannot be detected to meet TOGS 1.1.1

Google earth

feet 700
meters 200

Surface Water and Soil Samples

Seep Sample Locations

SAMPLE SUMMARY

Client: New York State D.E.C. Job Number: 480-87651-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-87651-1	SW-1	Water	09/21/2015 0955	09/22/2015 0945
480-87651-2	SW-2	Water	09/21/2015 1045	09/22/2015 0945
480-87651-2MS	SW-2	Water	09/21/2015 1045	09/22/2015 0945
480-87651-2MSD	SW-2	Water	09/21/2015 1045	09/22/2015 0945
480-87651-3	SED-1	Solid	09/21/2015 0915	09/22/2015 0945
480-87651-4	SED-2	Solid	09/21/2015 0940	09/22/2015 0945
480-87651-5	SED-3	Solid	09/21/2015 1005	09/22/2015 0945
480-87651-6	SED-4	Solid	09/21/2015 1020	09/22/2015 0945
480-87651-7	TRIP BLANK	Water	09/21/2015 0000	09/22/2015 0945

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 480-87651-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-87651-1	**SW-1**					
Benzaldehyde		0.27	J B	4.7	ug/L	8270D
Bis(2-ethylhexyl) phthalate		1.7	J B	4.7	ug/L	8270D
Endrin ketone		0.014	J B	0.047	ug/L	8081B
gamma-BHC (Lindane)		0.013	J	0.047	ug/L	8081B
Methoxychlor		0.034	J	0.047	ug/L	8081B
Aluminum		0.12	J	0.20	mg/L	6010C
Barium		0.066		0.0020	mg/L	6010C
Calcium		56.6		0.50	mg/L	6010C
Copper		0.0028	J B	0.010	mg/L	6010C
Iron		0.40		0.050	mg/L	6010C
Magnesium		11.8		0.20	mg/L	6010C
Manganese		0.036	B	0.0030	mg/L	6010C
Nickel		0.0022	J	0.010	mg/L	6010C
Potassium		3.9		0.50	mg/L	6010C
Sodium		40.4		1.0	mg/L	6010C
Cyanide, Total		0.0057	J	0.010	mg/L	9012B
480-87651-2	**SW-2**					
Chlorobenzene		2.2		2.0	ug/L	8260C
2-Methylnaphthalene		0.67	J	4.8	ug/L	8270D
4-Chloroaniline		2.6	J F1	4.8	ug/L	8270D
Benzaldehyde		0.50	J B	4.8	ug/L	8270D
Bis(2-ethylhexyl) phthalate		1.9	J B F1	4.8	ug/L	8270D
4,4'-DDT		0.15	J B	0.23	ug/L	8081B
Heptachlor		0.046	J	0.23	ug/L	8081B
Aluminum		0.065	J	0.20	mg/L	6010C
Barium		0.18		0.0020	mg/L	6010C
Calcium		108		0.50	mg/L	6010C
Cobalt		0.0012	J	0.0040	mg/L	6010C
Copper		0.0020	J B	0.010	mg/L	6010C
Iron		3.2		0.050	mg/L	6010C
Lead		0.0038	J	0.010	mg/L	6010C
Magnesium		35.1	F1	0.20	mg/L	6010C
Manganese		0.22	B	0.0030	mg/L	6010C
Nickel		0.0041	J	0.010	mg/L	6010C
Potassium		24.2	F1	0.50	mg/L	6010C
Sodium		69.9		1.0	mg/L	6010C
Zinc		0.0033	J	0.010	mg/L	6010C

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 480-87651-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-87651-3	**SED-1**					
1,4-Dichlorobenzene		1.8	J	8.6	ug/Kg	8260C
Acetone		12	J	43	ug/Kg	8260C
Chlorobenzene		2.5	J	8.6	ug/Kg	8260C
Chloroform		1.5	J	8.6	ug/Kg	8260C
Methylene Chloride		6.6	J	8.6	ug/Kg	8260C
Toluene		0.84	J	8.6	ug/Kg	8260C
Benzo[g,h,i]perylene		1500	J	5900	ug/Kg	8270D
Fluoranthene		850	J	5900	ug/Kg	8270D
Pyrene		710	J	5900	ug/Kg	8270D
4,4'-DDE		4.1	J	15	ug/Kg	8081B
Methoxychlor		13	J	15	ug/Kg	8081B
Aluminum		7910		19.1	mg/Kg	6010C
Arsenic		3.8		3.8	mg/Kg	6010C
Barium		57.4		0.95	mg/Kg	6010C
Beryllium		0.36	J	0.38	mg/Kg	6010C
Cadmium		0.47		0.38	mg/Kg	6010C
Calcium		21300		95.5	mg/Kg	6010C
Chromium		11.5		0.95	mg/Kg	6010C
Cobalt		5.5		0.95	mg/Kg	6010C
Copper		19.2		1.9	mg/Kg	6010C
Iron		12800		19.1	mg/Kg	6010C
Lead		17.9		1.9	mg/Kg	6010C
Magnesium		4960		38.2	mg/Kg	6010C
Manganese		239	B	0.38	mg/Kg	6010C
Nickel		17.4		9.5	mg/Kg	6010C
Potassium		1810		57.3	mg/Kg	6010C
Sodium		200	J	267	mg/Kg	6010C
Vanadium		16.0		0.95	mg/Kg	6010C
Zinc		83.2		3.8	mg/Kg	6010C
Mercury		0.026	J	0.035	mg/Kg	7471B
Percent Moisture		44		0.10	%	Moisture
Percent Solids		56		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 480-87651-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-87651-4	**SED-2**					
1,2-Dichlorobenzene		0.78	J	6.6	ug/Kg	8260C
1,3-Dichlorobenzene		1.0	J	6.6	ug/Kg	8260C
1,4-Dichlorobenzene		4.0	J	6.6	ug/Kg	8260C
Benzene		0.38	J	6.6	ug/Kg	8260C
Chlorobenzene		4.0	J	6.6	ug/Kg	8260C
Chloroform		0.84	J	6.6	ug/Kg	8260C
Methylene Chloride		3.4	J	6.6	ug/Kg	8260C
Toluene		0.93	J	6.6	ug/Kg	8260C
Acenaphthene		110	J	230	ug/Kg	8270D
Dibenzofuran		51	J	230	ug/Kg	8270D
Fluorene		44	J	230	ug/Kg	8270D
Phenanthrene		77	J	230	ug/Kg	8270D
4,4'-DDD		0.96	J	2.2	ug/Kg	8081B
Methoxychlor		2.4		2.2	ug/Kg	8081B
Aluminum		2440		13.1	mg/Kg	6010C
Arsenic		3.4		2.6	mg/Kg	6010C
Barium		29.9		0.65	mg/Kg	6010C
Beryllium		0.13	J	0.26	mg/Kg	6010C
Cadmium		0.088	J	0.26	mg/Kg	6010C
Calcium		1430		65.4	mg/Kg	6010C
Chromium		4.0		0.65	mg/Kg	6010C
Cobalt		2.3		0.65	mg/Kg	6010C
Copper		4.6		1.3	mg/Kg	6010C
Iron		9070		13.1	mg/Kg	6010C
Lead		7.7		1.3	mg/Kg	6010C
Magnesium		1110		26.1	mg/Kg	6010C
Manganese		46.8	B	0.26	mg/Kg	6010C
Nickel		7.3		6.5	mg/Kg	6010C
Potassium		623		39.2	mg/Kg	6010C
Sodium		87.4	J	183	mg/Kg	6010C
Vanadium		6.5		0.65	mg/Kg	6010C
Zinc		21.2		2.6	mg/Kg	6010C
Percent Moisture		26		0.10	%	Moisture
Percent Solids		74		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 480-87651-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-87651-5	**SED-3**					
1,2-Dichlorobenzene		1.5	J	5.9	ug/Kg	8260C
1,3-Dichlorobenzene		0.34	J	5.9	ug/Kg	8260C
1,4-Dichlorobenzene		5.0	J	5.9	ug/Kg	8260C
Benzene		0.88	J	5.9	ug/Kg	8260C
Chlorobenzene		18		5.9	ug/Kg	8260C
Chloroform		0.60	J	5.9	ug/Kg	8260C
Isopropylbenzene		1.7	J	5.9	ug/Kg	8260C
Methylene Chloride		5.4	J	5.9	ug/Kg	8260C
Toluene		1.2	J	5.9	ug/Kg	8260C
4,4'-DDD		1.0	J	2.0	ug/Kg	8081B
4,4'-DDE		0.78	J	2.0	ug/Kg	8081B
alpha-BHC		0.96	J	2.0	ug/Kg	8081B
delta-BHC		0.91	J	2.0	ug/Kg	8081B
Methoxychlor		2.0		2.0	ug/Kg	8081B
Aluminum		2680		11.5	mg/Kg	6010C
Arsenic		1.7	J	2.3	mg/Kg	6010C
Barium		15.4		0.57	mg/Kg	6010C
Beryllium		0.14	J	0.23	mg/Kg	6010C
Cadmium		0.42		0.23	mg/Kg	6010C
Calcium		2300	^	57.4	mg/Kg	6010C
Chromium		4.2		0.57	mg/Kg	6010C
Cobalt		2.8		0.57	mg/Kg	6010C
Copper		9.2		1.1	mg/Kg	6010C
Iron		5010		11.5	mg/Kg	6010C
Lead		9.8		1.1	mg/Kg	6010C
Magnesium		1180		23.0	mg/Kg	6010C
Manganese		38.8	B	0.23	mg/Kg	6010C
Nickel		7.7		5.7	mg/Kg	6010C
Potassium		734		34.5	mg/Kg	6010C
Selenium		0.72	J	4.6	mg/Kg	6010C
Sodium		83.2	J	161	mg/Kg	6010C
Vanadium		6.1		0.57	mg/Kg	6010C
Zinc		69.2		2.3	mg/Kg	6010C
Mercury		0.011	J	0.024	mg/Kg	7471B
Percent Moisture		17		0.10	%	Moisture
Percent Solids		83		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 480-87651-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-87651-6	**SED-4**					
1,4-Dichlorobenzene		4.1	J	8.5	ug/Kg	8260C
Acetone		8.2	J	43	ug/Kg	8260C
Benzene		0.44	J	8.5	ug/Kg	8260C
Chlorobenzene		11		8.5	ug/Kg	8260C
Chloroform		0.75	J	8.5	ug/Kg	8260C
Methylene Chloride		5.5	J	8.5	ug/Kg	8260C
Toluene		1.7	J	8.5	ug/Kg	8260C
Aluminum		2370		18.2	mg/Kg	6010C
Arsenic		4.9		3.6	mg/Kg	6010C
Barium		22.8		0.91	mg/Kg	6010C
Beryllium		0.13	J	0.36	mg/Kg	6010C
Cadmium		0.20	J	0.36	mg/Kg	6010C
Calcium		40500	^	91.2	mg/Kg	6010C
Chromium		4.9		0.91	mg/Kg	6010C
Cobalt		2.4		0.91	mg/Kg	6010C
Copper		17.6		1.8	mg/Kg	6010C
Iron		13000		18.2	mg/Kg	6010C
Lead		38.6		1.8	mg/Kg	6010C
Magnesium		8330		36.5	mg/Kg	6010C
Manganese		131	B	0.36	mg/Kg	6010C
Nickel		9.2		9.1	mg/Kg	6010C
Potassium		746		54.7	mg/Kg	6010C
Sodium		158	J	255	mg/Kg	6010C
Vanadium		9.0		0.91	mg/Kg	6010C
Zinc		42.0		3.6	mg/Kg	6010C
Mercury		0.016	J	0.032	mg/Kg	7471B
Percent Moisture		43		0.10	%	Moisture
Percent Solids		57		0.10	%	Moisture
480-87651-7	**TRIP BLANK**					
Chloromethane		0.54	J	1.0	ug/L	8260C

TEMPORARY MONITORING WELL ID NO.: TW-201

Groundwater & Environmental Services, Inc.

PROJECT: **NYSDEC Old Land Reclamation**	SURFACE ELEV.: **623.72'**	TOTAL DEPTH: **9'**
ADDRESS: **4309 Broadway, Depew, NY 14043**	WATER DEPTH: **6.5'**	CASING ELEV.: **624.76'**
JOB NO.: **0901638**	BOREHOLE DIAM.: **2"**	WELL DIAM.: **1"**

Logged By:	**Jennifer Clay**	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/2015**	Sampling Method:	**Macro-core**
Drilling Company:	**TREC Environmental, Inc.**	Soil Class. System:	**Modified Burmister**
Drill Rig Type:	**Geoprobe 6620 DT Track Rig**	Field Screening:	**MiniRae 3000 PID 10.6 eV**

Depth (feet)	Field Screen	Sample/ GW Depths	Recovery	SAMPLE LITHOLOGY	COMMENTS	WELL COMPLETION
0	0.0		80%	Topsoil		Ground Surface
1				Fill: Gravel, gray, coarse		Bentonite Chips
2				Silt: Silt with sand, brown, moist, roots, trace gravel		
3						1" PVC Casing
4	2.6		50%	Silt: Silt with sand, brown, moist, roots, trace gravel		
5				Sand: Sand, some gravel, gray-brown, very moist, fine		
6		▼		Sand: Sand, gravel, dark brown, moist-saturated, wood, slight odor		Sand Pack
7				Gravel: Gravel with sand, dark gray, saturated, fine-coarse, organic odor		1" PVC Screen
8	0.0		50%	Gravel: Gravel with sand, dark gray, saturated, fine-coarse, organic odor		
9					Refusal	

Location:
Northing/Latitude: **42° 53.987' N**
Easting/Longitude: **-078° 42.967' W**
Horizontal Datum: **NAD83**
Vertical Datum: **NA**

General Comments:
PVC - Schedule 40 Polyvinyl Chloride;
PID - Photo Ionization Detector; eV - electronvolt

Symbol Key:
Apparent Water Level ▼
Soil Sample Location ⊠

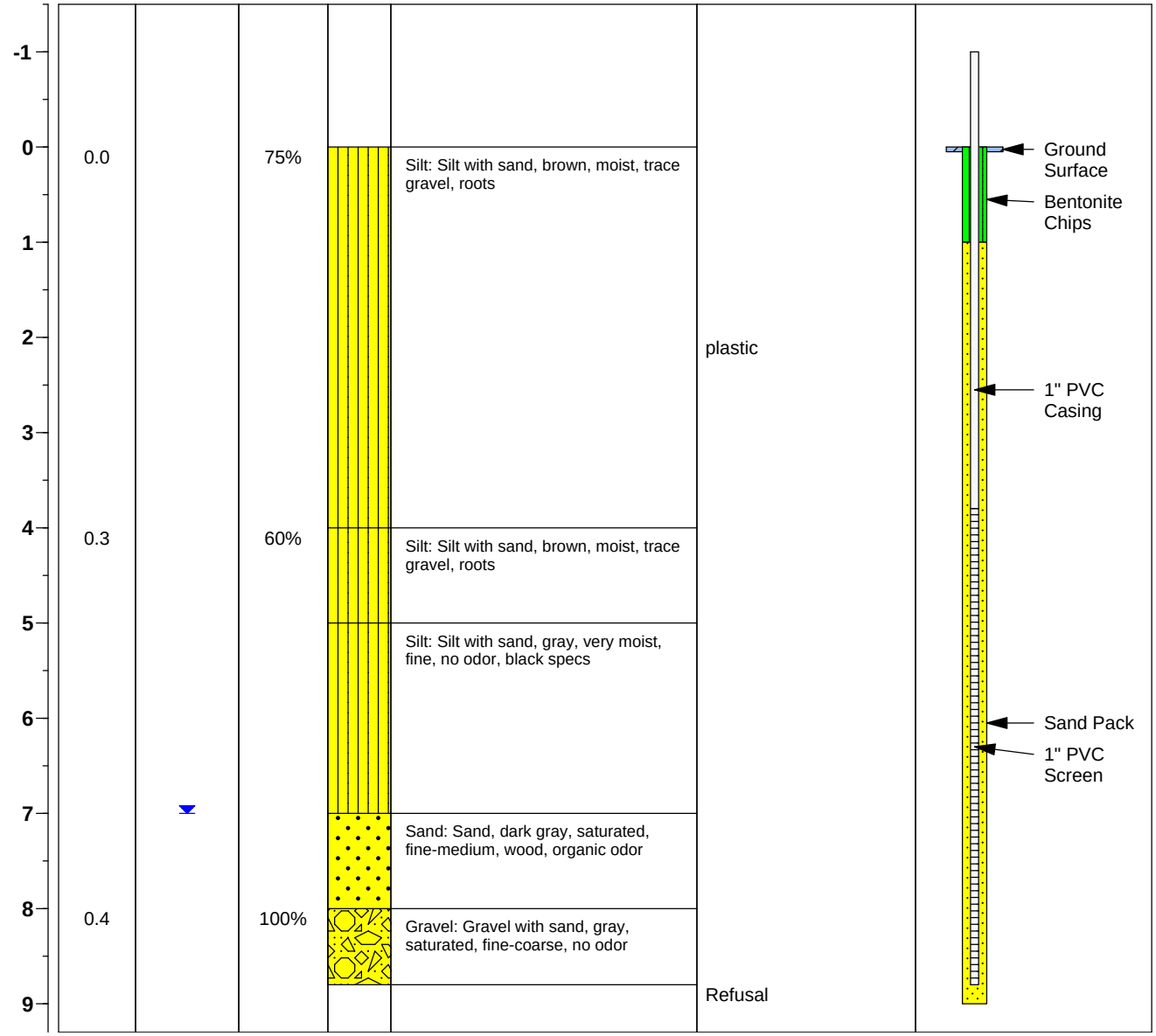
TEMPORARY MONITORING WELL ID NO.: TW-202

Groundwater & Environmental Services, Inc.

PROJECT:	**NYSDEC Old Land Reclamation**	SURFACE ELEV.:	**623.77'**	TOTAL DEPTH:	**8.8'**
ADDRESS:	**4309 Broadway, Depew, NY 14043**	WATER DEPTH:	**7'**	CASING ELEV.:	**624.95'**
JOB NO.:	**0901638**	BOREHOLE DIAM.:	**2"**	WELL DIAM.:	**1"**

Logged By:	**Jennifer Clay**	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/2015**	Sampling Method:	**Macro-core**
Drilling Company:	**TREC Environmental, Inc.**	Soil Class. System:	**Modified Burmister**
Drill Rig Type:	**Geoprobe 6620 DT Track Rig**	Field Screening:	**MiniRae 3000 PID 10.6 eV**

Depth (feet)	Field Screen	Sample/ GW Depths	Recovery	SAMPLE LITHOLOGY	COMMENTS	WELL COMPLETION
0.0			75%	Silt: Silt with sand, brown, moist, trace gravel, roots	plastic	Ground Surface; Bentonite Chips
0.3			60%	Silt: Silt with sand, brown, moist, trace gravel, roots		1" PVC Casing
				Silt: Silt with sand, gray, very moist, fine, no odor, black specs		
		▼		Sand: Sand, dark gray, saturated, fine-medium, wood, organic odor		Sand Pack; 1" PVC Screen
0.4			100%	Gravel: Gravel with sand, gray, saturated, fine-coarse, no odor		
					Refusal	



Location:
Northing/Latitude: **42° 53.993' N**
Easting/Longitude: **-078° 42.980' W**
Horizontal Datum: **NAD83**
Vertical Datum: **NA**

General Comments:
PVC - Schedule 40 Polyvinyl Chloride;
PID - Photo Ionization Detector; eV - electronvolt

Symbol Key:
Apparent Water Level ▼
Soil Sample Location ⊠

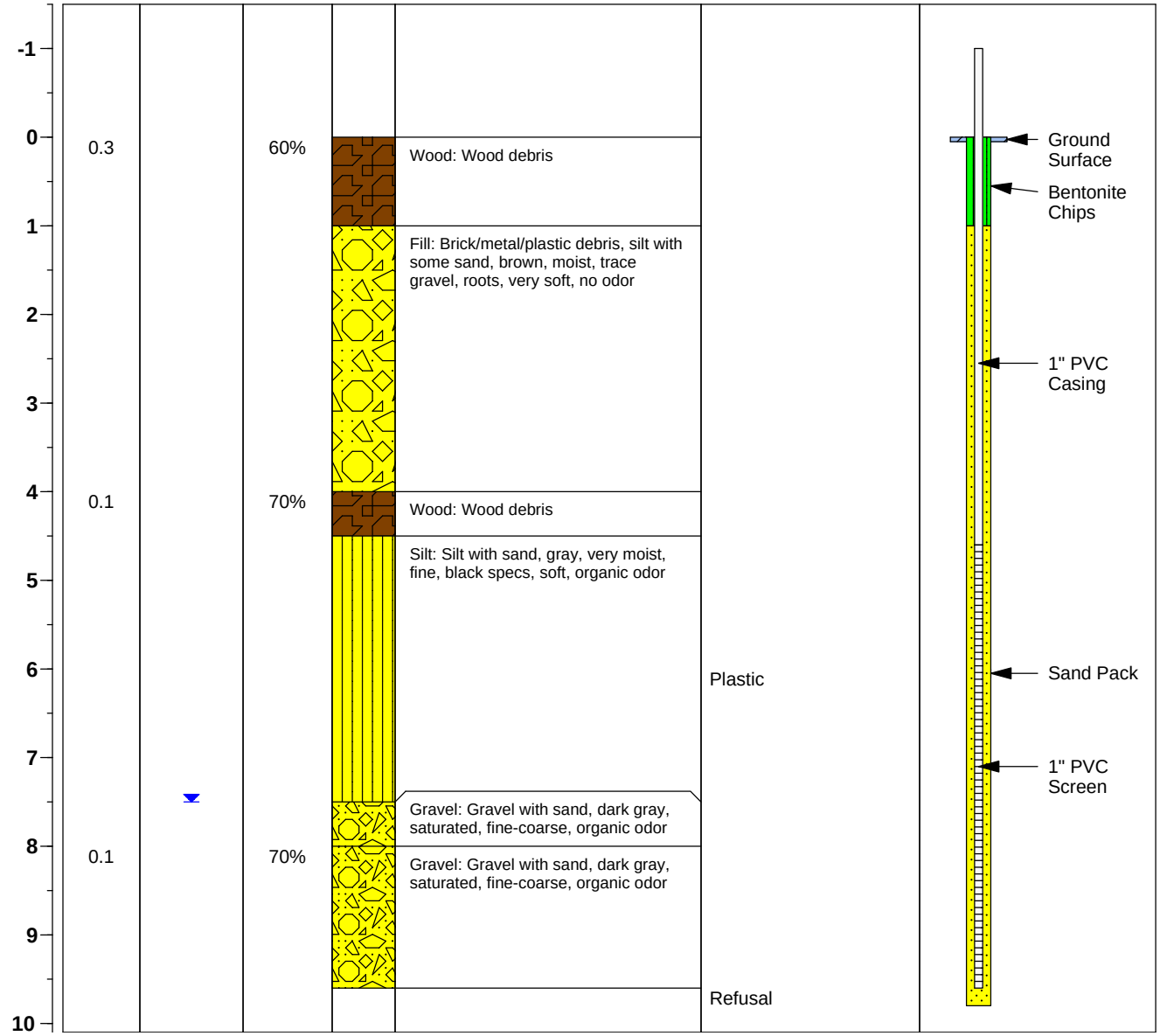
TEMPORARY MONITORING WELL ID NO.: TW-203

Groundwater & Environmental Services, Inc.

PROJECT:	**NYSDEC Old Land Reclamation**	SURFACE ELEV.:	**625.27'**	TOTAL DEPTH:	**9.6'**
ADDRESS:	**4309 Broadway, Depew, NY 14043**	WATER DEPTH:	**7.5'**	CASING ELEV.:	**627.63'**
JOB NO.:	**0901638**	BOREHOLE DIAM.:	**2"**	WELL DIAM.:	**1"**

Logged By:	**Jennifer Clay**	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/2015**	Sampling Method:	**Macro-core**
Drilling Company:	**TREC Environmental, Inc.**	Soil Class. System:	**Modified Burmister**
Drill Rig Type:	**Geoprobe 6620 DT Track Rig**	Field Screening:	**MiniRae 3000 PID 10.6 eV**

Depth (feet)	Field Screen	Sample/ GW Depths	Recovery	SAMPLE LITHOLOGY	COMMENTS	WELL COMPLETION
0	0.3		60%	Wood: Wood debris		Ground Surface
1				Fill: Brick/metal/plastic debris, silt with some sand, brown, moist, trace gravel, roots, very soft, no odor		Bentonite Chips
4	0.1		70%	Wood: Wood debris		
5				Silt: Silt with sand, gray, very moist, fine, black specs, soft, organic odor		
6					Plastic	
7		▼				1" PVC Casing
8	0.1		70%	Gravel: Gravel with sand, dark gray, saturated, fine-coarse, organic odor		Sand Pack
9				Gravel: Gravel with sand, dark gray, saturated, fine-coarse, organic odor		1" PVC Screen
10					Refusal	



Location:
Northing/Latitude: **42° 54.000' N**
Easting/Longitude: **-078° 42.991' W**
Horizontal Datum: **NAD83**
Vertical Datum: **NA**

General Comments:
PVC - Schedule 40 Polyvinyl Chloride;
PID - Photo Ionization Detector; eV - electronvolt

Symbol Key:
Apparent Water Level ▼
Soil Sample Location ⊠

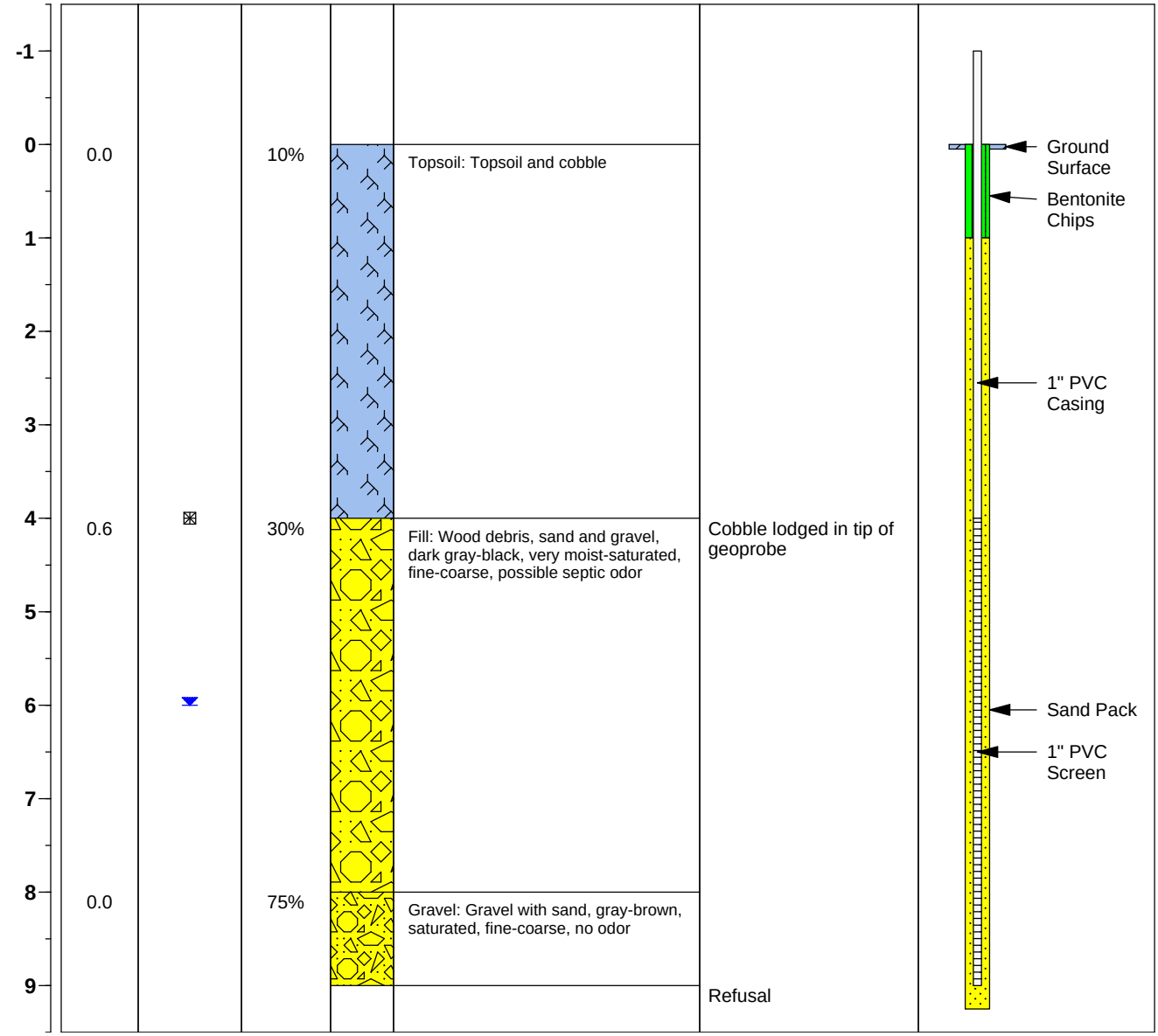
TEMPORARY MONITORING WELL ID NO.: TW-204

Groundwater & Environmental Services, Inc.

PROJECT:	**NYSDEC Old Land Reclamation**	SURFACE ELEV.:	**624.93'**	TOTAL DEPTH:	**9'**
ADDRESS:	**4309 Broadway, Depew, NY 14043**	WATER DEPTH:	**6'**	CASING ELEV.:	**626.17'**
JOB NO.:	**0901638**	BOREHOLE DIAM.:	**2"**	WELL DIAM.:	**1"**

Logged By:	**Jennifer Clay**	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/2015**	Sampling Method:	**Macro-core**
Drilling Company:	**TREC Environmental, Inc.**	Soil Class. System:	**Modified Burmister**
Drill Rig Type:	**Geoprobe 6620 DT Track Rig**	Field Screening:	**MiniRae 3000 PID 10.6 eV**

Depth (feet)	Field Screen	Sample/ GW Depths	Recovery	SAMPLE LITHOLOGY	COMMENTS	WELL COMPLETION
0	0.0		10%	Topsoil: Topsoil and cobble		Ground Surface; Bentonite Chips
4	0.6	⊠	30%	Fill: Wood debris, sand and gravel, dark gray-black, very moist-saturated, fine-coarse, possible septic odor	Cobble lodged in tip of geoprobe	1" PVC Casing
6		▼				Sand Pack; 1" PVC Screen
8	0.0		75%	Gravel: Gravel with sand, gray-brown, saturated, fine-coarse, no odor		
9					Refusal	



Location:
Northing/Latitude: **42° 54.007' N**
Easting/Longitude: **-078° 43.009' W**
Horizontal Datum: **NAD83**
Vertical Datum: **NA**

General Comments:
PVC - Schedule 40 Polyvinyl Chloride;
PID - Photo Ionization Detector; eV - electronvolt

Symbol Key:
Apparent Water Level ▼
Soil Sample Location ⊠

TEMPORARY MONITORING WELL ID NO.: TW-205

Groundwater & Environmental Services, Inc.

PROJECT: **NYSDEC Old Land Reclamation**	SURFACE ELEV.: **627.07'**	TOTAL DEPTH: **12.2'**
ADDRESS: **4309 Broadway, Depew, NY 14043**	WATER DEPTH: **9'**	CASING ELEV.: **628.46'**
JOB NO.: **0901638**	BOREHOLE DIAM.: **2"**	WELL DIAM.: **1"**

Logged By:	**Jennifer Clay**	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/2015**	Sampling Method:	**Macro-core**
Drilling Company:	**TREC Environmental, Inc.**	Soil Class. System:	**Modified Burmister**
Drill Rig Type:	**Geoprobe 6620 DT Track Rig**	Field Screening:	**MiniRae 3000 PID 10.6 eV**

Depth (feet)	Field Screen	Sample/ GW Depths	Recovery	SAMPLE LITHOLOGY	COMMENTS	WELL COMPLETION
0	0.2		25%	Topsoil: Topsoil		Ground Surface
2				Fill: Organic matter and slime, silt and clay, brown-dark brown, moist, organic odor		Bentonite Chips
4	3.5		NA	Fill: Wood debris, organic matter and slime, silt and clay, brown-dark brown, moist, organic odor		1" PVC Casing
6				Sand and Silt: Sand and silt, gray, very moist, fine-medium, trace gravel, organic odor		Sand Pack
8	3.3	▼	80%	Sand: Sand with little gravel, some silt, gray, very moist-saturated, fine-medium		1" PVC Screen
11				Gravel: Gravel with sand, saturated, fine-coarse, no odor		
12	NA		100%	Dolostone: Fractured Dolostone, gray, saturated	Refusal	

Location:
Northing/Latitude: **42° 54.012' N**
Easting/Longitude: **-078° 43.027' W**
Horizontal Datum: **NAD83**
Vertical Datum: **NA**

General Comments:
PVC - Schedule 40 Polyvinyl Chloride;
PID - Photo Ionization Detector; eV - electronvolt

Symbol Key:
Apparent Water Level ▼
Soil Sample Location ⊠

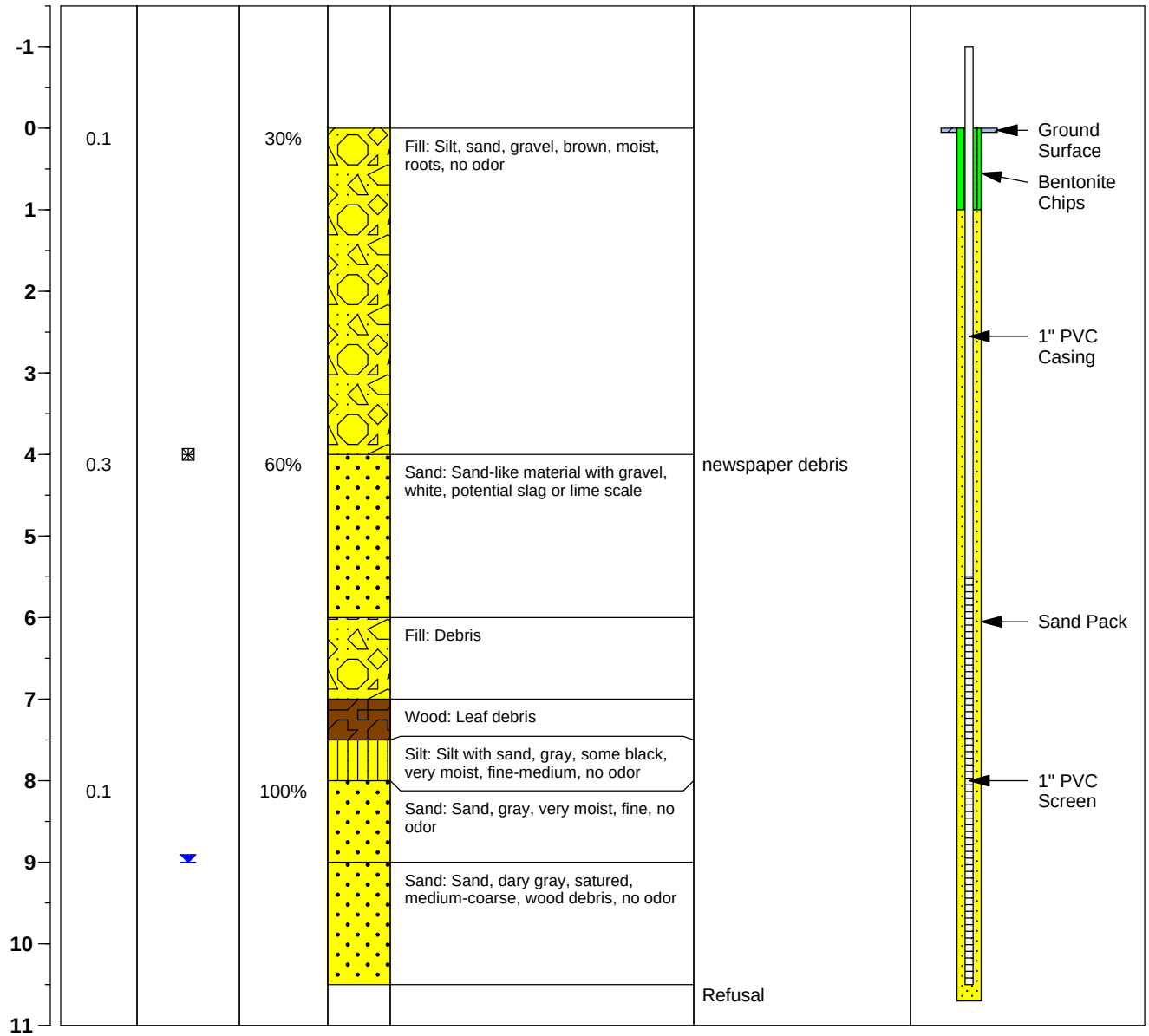
TEMPORARY MONITORING WELL ID NO.: TW-206

Groundwater & Environmental Services, Inc.

PROJECT:	**NYSDEC Old Land Reclamation**	SURFACE ELEV.:	**627.35'**	TOTAL DEPTH:	**10.5'**
ADDRESS:	**4309 Broadway, Depew, NY 14043**	WATER DEPTH:	**9'**	CASING ELEV.:	**629.16'**
JOB NO.:	**0901638**	BOREHOLE DIAM.:	**2"**	WELL DIAM.:	**1"**

Logged By:	**Jennifer Clay**	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/2015**	Sampling Method:	**Macro-core**
Drilling Company:	**TREC Environmental, Inc.**	Soil Class. System:	**Modified Burmister**
Drill Rig Type:	**Geoprobe 6620 DT Track Rig**	Field Screening:	**MiniRae 3000 PID 10.6 eV**

Depth (feet)	Field Screen	Sample/ GW Depths	Recovery	SAMPLE LITHOLOGY	COMMENTS	WELL COMPLETION
0	0.1		30%	Fill: Silt, sand, gravel, brown, moist, roots, no odor		Ground Surface
						Bentonite Chips
4	0.3	⊠	60%	Sand: Sand-like material with gravel, white, potential slag or lime scale	newspaper debris	
						1" PVC Casing
6				Fill: Debris		
7				Wood: Leaf debris		
8	0.1		100%	Silt: Silt with sand, gray, some black, very moist, fine-medium, no odor		
				Sand: Sand, gray, very moist, fine, no odor		Sand Pack
9		▼				
				Sand: Sand, dary gray, satured, medium-coarse, wood debris, no odor		
10						1" PVC Screen
11					Refusal	



Location:
Northing/Latitude: **42° 54.015' N**
Easting/Longitude: **-078° 43.045' W**
Horizontal Datum: **NAD83**
Vertical Datum: **NA**

General Comments:
PVC - Schedule 40 Polyvinyl Chloride;
PID - Photo Ionization Detector; eV - electronvolt

Symbol Key:
Apparent Water Level ▼
Soil Sample Location ⊠

TEMPORARY MONITORING WELL ID NO.: TW-207

Groundwater & Environmental Services, Inc.

PROJECT: **NYSDEC Old Land Reclamation**	SURFACE ELEV.: **627.29'**	TOTAL DEPTH: **12.1'**
ADDRESS: **4309 Broadway, Depew, NY 14043**	WATER DEPTH: **8'**	CASING ELEV.: **629.16'**
JOB NO.: **0901638**	BOREHOLE DIAM.: **2"**	WELL DIAM.: **1"**

Logged By:	**Jennifer Clay**	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/2015**	Sampling Method:	**Macro-core**
Drilling Company:	**TREC Environmental, Inc.**	Soil Class. System:	**Modified Burmister**
Drill Rig Type:	**Geoprobe 6620 DT Track Rig**	Field Screening:	**MiniRae 3000 PID 10.6 eV**

Depth (feet)	Field Screen	Sample/ GW Depths	Recovery	SAMPLE LITHOLOGY	COMMENTS	WELL COMPLETION
0	0.5		NA	Topsoil		Ground Surface
1				Sand: Sand-like material with gravel, white, potential slag or lime scale		Bentonite Chips
2						
3				Fill: Sand, tan, trace gravel, wood debris		1" PVC Casing
4	1.9		25%	Fill: Sand, red, glass/plastic/wood/metal debris, moist		
5						
6				Fill: Sand, red, glass/plastic/wood/metal debris, moist		Sand Pack
7						
8	0.1	▼	5%	Fill: Newpaper/wood/insulation/plastic debris, moist		
9						
10						1" PVC Screen
11						
12	NA		0%	No recovery	Refusal	

Location:
Northing/Latitude: **42° 54.018' N**
Easting/Longitude: **-078° 43.067' W**
Horizontal Datum: **NAD83**
Vertical Datum: **NA**

General Comments:
PVC - Schedule 40 Polyvinyl Chloride;
PID - Photo Ionization Detector; eV - electronvolt

Symbol Key:
Apparent Water Level ▼
Soil Sample Location ⊠

TEMPORARY MONITORING WELL ID NO.: TW-208

Groundwater & Environmental Services, Inc.

PROJECT: **NYSDEC Old Land Reclamation**	SURFACE ELEV.: **623.91'**	TOTAL DEPTH: **8'**
ADDRESS: **4309 Broadway, Depew, NY 14043**	WATER DEPTH: **6.5'**	CASING ELEV.: **626.69'**
JOB NO.: **0901638**	BOREHOLE DIAM.: **2"**	WELL DIAM.: **1"**

Logged By:	**Jennifer Clay**	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/2015**	Sampling Method:	**Macro-core**
Drilling Company:	**TREC Environmental, Inc.**	Soil Class. System:	**Modified Burmister**
Drill Rig Type:	**Geoprobe 6620 DT Track Rig**	Field Screening:	**MiniRae 3000 PID 10.6 eV**

Depth (feet)	Field Screen	Sample/ GW Depths	Recovery	SAMPLE LITHOLOGY	COMMENTS	WELL COMPLETION
-1 to 8	0.7		80%	Fill: Sand, brown-red, moist, some gravel, wood/plastic/paper debris, some gravel	plastic sheeting debris	Ground Surface; Bentonite Chips
3				Silt: Silt with sand, gray-brown, moist, fine-coarse, no odor		1" PVC Casing
4	0.1		70%	Sand: Sand, gray, moist, medium-coarse, no odor		
5				Sand: Sand, gray, very moist-saturated, medium-coarse, no odor	wood debris	
6		▼				1" PVC Screen; Sand Pack
7				Fill: Sand, red, glass/plastic/wood/metal debris, moist		
7				Gravel: Gravel with sand, saturated, fine-coarse, no odor		
8					Refusal	

Location:
Northing/Latitude: **42° 54.016' N**
Easting/Longitude: **-078° 43.085' W**
Horizontal Datum: **NAD83**
Vertical Datum: **NA**

General Comments:
PVC - Schedule 40 Polyvinyl Chloride;
PID - Photo Ionization Detector; eV - electronvolt

Symbol Key:
Apparent Water Level ▼
Soil Sample Location ⊠

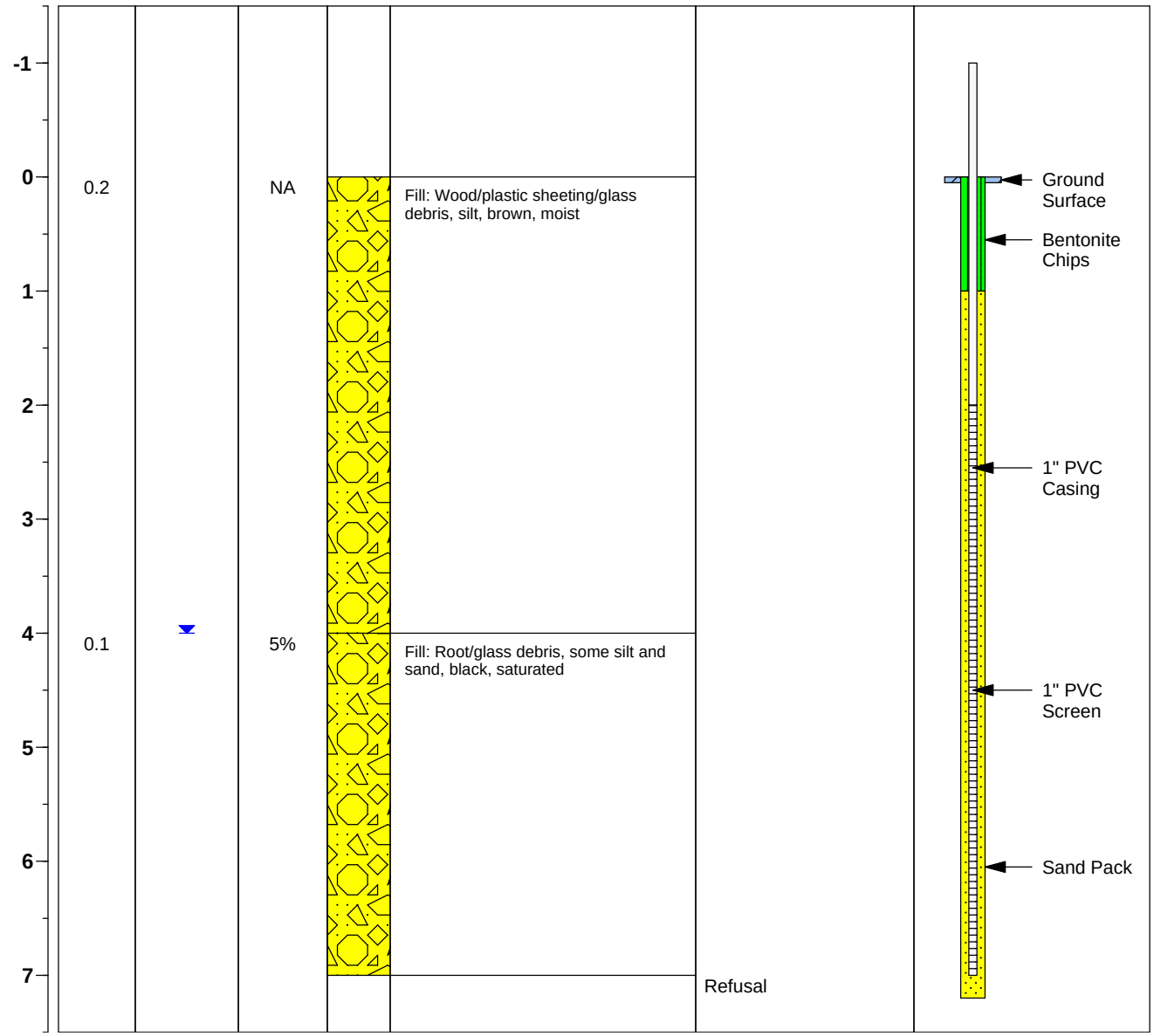
TEMPORARY MONITORING WELL ID NO.: TW-209

Groundwater & Environmental Services, Inc.

PROJECT: **NYSDEC Old Land Reclamation**	SURFACE ELEV.: **624.49'**	TOTAL DEPTH: **7'**
ADDRESS: **4309 Broadway, Depew, NY 14043**	WATER DEPTH: **4'**	CASING ELEV.: **627.60'**
JOB NO.: **0901638**	BOREHOLE DIAM.: **2"**	WELL DIAM.: **1"**

Logged By:	**Jennifer Clay**	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/2015**	Sampling Method:	**Macro-core**
Drilling Company:	**TREC Environmental, Inc.**	Soil Class. System:	**Modified Burmister**
Drill Rig Type:	**Geoprobe 6620 DT Track Rig**	Field Screening:	**MiniRae 3000 PID 10.6 eV**

Depth (feet)	Field Screen	Sample/ GW Depths	Recovery	SAMPLE LITHOLOGY	COMMENTS	WELL COMPLETION
0	0.2		NA	Fill: Wood/plastic sheeting/glass debris, silt, brown, moist		Ground Surface; Bentonite Chips
4	0.1	▼	5%	Fill: Root/glass debris, some silt and sand, black, saturated		1" PVC Casing; 1" PVC Screen; Sand Pack
7					Refusal	



Location:
Northing/Latitude: **42° 54.020' N**
Easting/Longitude: **-078° 43.103' W**
Horizontal Datum: **NAD83**
Vertical Datum: **NA**

General Comments:
PVC - Schedule 40 Polyvinyl Chloride;
PID - Photo Ionization Detector; eV - electronvolt

Symbol Key:
Apparent Water Level ▼
Soil Sample Location ⊠

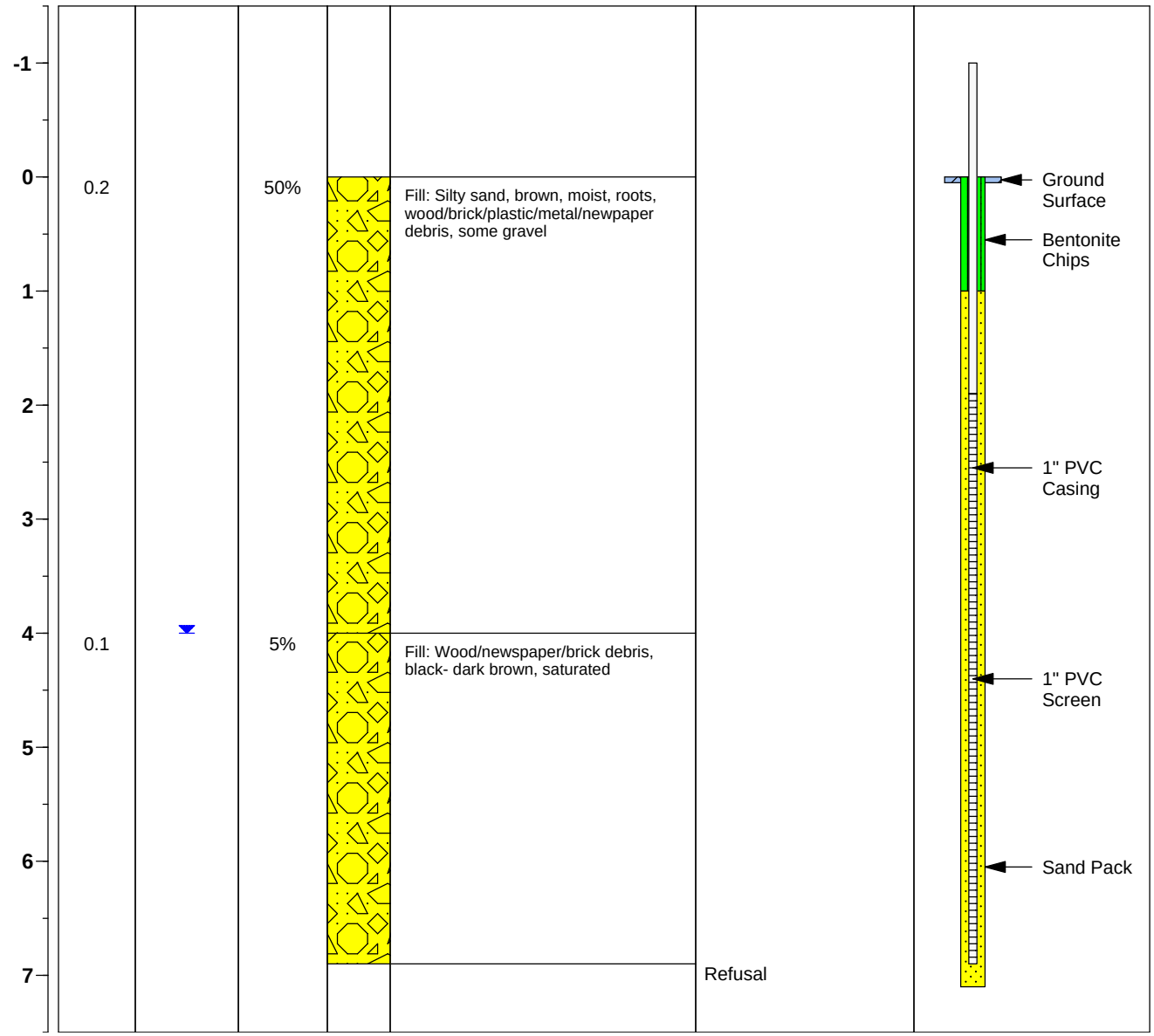
TEMPORARY MONITORING WELL ID NO.: TW-210

Groundwater & Environmental Services, Inc.

PROJECT:	**NYSDEC Old Land Reclamation**	SURFACE ELEV.:	**624.15'**	TOTAL DEPTH:	**6.9'**
ADDRESS:	**4309 Broadway, Depew, NY 14043**	WATER DEPTH:	**4'**	CASING ELEV.:	**627.30'**
JOB NO.:	**0901638**	BOREHOLE DIAM.:	**2"**	WELL DIAM.:	**1"**

Logged By:	**Jennifer Clay**	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/2015**	Sampling Method:	**Macro-core**
Drilling Company:	**TREC Environmental, Inc.**	Soil Class. System:	**Modified Burmister**
Drill Rig Type:	**Geoprobe 6620 DT Track Rig**	Field Screening:	**MiniRae 3000 PID 10.6 eV**

Depth (feet)	Field Screen	Sample/ GW Depths	Recovery	SAMPLE LITHOLOGY	COMMENTS	WELL COMPLETION



Location:
Northing/Latitude: **42° 54.026' N**
Easting/Longitude: **-078° 43.120' W**
Horizontal Datum: **NAD83**
Vertical Datum: **NA**

General Comments:
PVC - Schedule 40 Polyvinyl Chloride;
PID - Photo Ionization Detector; eV - electronvolt

Symbol Key:
Apparent Water Level
Soil Sample Location