nationalgrid

Steven P. Stucker, C.P.G.
Lead Environmental Engineer

February 1, 2022

Mr. Michael Squire
New York State Department of Environmental Conservation
Division of Environmental Remediation, Remedial Bureau C
625 Broadway, 11th Floor
Albany, NY 12233-7014

Re: 2021 Annual Groundwater Monitoring Report
Oneida (Sconondoa Street) Former MGP Site
Oneida, NY
NYSDEC Site No. 7-27-008

Dear Mr. Squire:

Enclosed is the 2021 Annual Groundwater Monitoring Report for the former manufactured gas plant (MGP) site located on Sconondoa Street in Oneida, NY. The Groundwater Monitoring Report details compliance site monitoring, groundwater sampling, and recommendations.

A few highlights from the report include:

- NAPL was not detected in any of the monitoring wells gauged during the year.
- Quarterly site inspections have been conducted. Overall, the site is in compliance and in good condition.

Very truly yours,

for SPS
Steven P. Stucker, C.P.G.
Lead Environmental Engineer
National Grid

Enclosures

cc: Devin T. Shay - Groundwater & Environmental Services, Inc.

National Grid

2021 Groundwater Monitoring Report

National Grid Oneida Former MGP Site
215 Sconondoa Street
Oneida, NY
NYSDEC Site No 727008

February 2022

Version 1

2021 Groundwater Monitoring Report

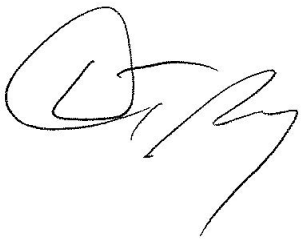
National Grid Oneida Site
215 Sconondoa Street
Oneida, NY

Prepared for:
National Grid
300 Erie Boulevard West, C-1
Syracuse, NY 13202

Prepared by:
Groundwater & Environmental Services, Inc.
6780 Northern Boulevard, Suite 100
East Syracuse, NY 13057
TEL: 800-220-3069
www.gesonline.com

GES Project:
0603275.132410.221

Date:
February 1, 2022



Devin T. Shay, PG
Program Manager / Principal Hydrogeologist

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Acronyms & Abbreviations

DUSR	Data Usability Summary Report
GES	Groundwater & Environmental Services, Inc.
NAPL	Non-Aqueous Phase Liquid
NYSDEC	New York State Department of Environmental Conservation
MGP	Manufactured Gas Plant
OM&M	Operation, Maintenance, and Monitoring
Pace	Pace Analytical Laboratories
QA/QC	Quality Assurance/Quality Control
SMP	Site Management Plan

1 Introduction

1.1 Introduction

Groundwater & Environmental Services, Inc. (GES) has prepared this 2021 Groundwater Monitoring Report on behalf of National Grid. This report compiles the groundwater monitoring activities completed in the Spring of 2021, and Fall of 2021 at the Oneida (Sconondoa Street) former manufactured gas plant (MGP) Site (the Site) located in Oneida, New York. The monitoring activities being conducted at the Site are based on the Site Management Plan (SMP) submitted by National Grid to the New York State Department of Environmental Conservation (NYSDEC) in September 2018, and approved by NYSDEC in December 2018.

1.2 Site Background

The Site is located at 215 Sconondoa Street in the City of Oneida, Madison County, New York, **Figure 1** provides a site location map. The approximately 2.1 acre property is identified as the Site. It is bordered by vacant City-owned properties to the north and west, Sconondoa Street to the south, and a privately-owned commercial property to the east. Currently the Site contains a vacant, single-story office building/garage and is surrounded by a six (6) foot high chain-link fence with barbed wire. A structure location map showing the location of features at the Site is presented as **Figure 2**.

The off-Site area occupies an area approximately 4.4 acres and comprises portions of several City of Oneida- or privately-owned properties along the alignment of an open drainage ditch, referred to as the "Tailrace", and an isolated area located at the confluence of the Tailrace and the Oneida Creek, referred to as the "Confluence".

Between 1896 and 1899 the manufactured gas plant was built on the Sconondoa Street property. The early gas works included coal retorts, a scrubber room, purifier room, lime storage room, a coal house, and a 25,000-cubic foot gas holder. Various modifications to the Site operations and the layout of the Site took place over time. In 1914 the electric plant was decommissioned a 100,000-cubic-foot distribution gas holder was installed on the north side of the Site. The New York Power and Light Corporation phased out the manufactured gas operations at the Site between 1928 and 1930. By 1964 all the MGP structures had been demolished to make way for the Niagara Mohawk Power Corporation service center. The Service Center Building was expanded in 1974 and has remained essentially unchanged since then.

1.3 Summary of Monitoring Activities

The following routine monitoring activities were conducted at the Site in 2021:

- Semi-Annual groundwater sampling was conducted in April 2021, and October 2021 at 13 monitoring wells. The samples were sent to Pace Analytical Laboratories (Pace) to be analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), polycyclic aromatic

hydrocarbons (PAHs) and Cyanide. The analytical data reports provided by Pace were validated by GES.

- Monitoring wells were monitored for any detections of non-aqueous phase liquid (NAPL).
- Quarterly site-wide inspections were conducted. General maintenance of the Site grounds, including snow removal, vegetation removal, and building upkeep was completed, as necessary.

2 Groundwater Monitoring

2.1 General

The spring 2021 event was conducted on April 21, 2021, and fall 2021 event was conducted on October 14, 2021. Monitoring wells MW-1 through MW-7, MW-ES-8, MW-9, MW-ES-10S, MW-11, MW-12, and MW-103 were sampled during these events. Samples collected were sent to Pace for laboratory analysis of BTEX, PAHs, and Cyanide. Static water levels were measured in each well prior to purging. Purging data for the wells, field parameters measured during purging, and the chain of custody for the samples are included in **Appendix A**. The groundwater level measurements are provided on **Table 1**. Groundwater contours are shown on **Figure 3** and **Figure 4**.

2.2 Non-Aqueous Phase Liquid (NAPL) Monitoring

In April 2021, and October 2021, NAPL was not detected during while measuring the static water levels in all the monitoring wells as well as the recovery well. NAPL was last detected in May 2019, in monitoring well MW-6. NAPL measurements are provided on **Table 2**.

2.3 Groundwater Sampling Analytical Results

Groundwater samples were collected by GES from 13 monitoring wells on April 21, 2021, and October 14, 2021 (MW-1 through MW-7, MW-ES-8, MW-9, MW-ES-10S, MW-11, MW-12, and MW-103). Low-flow sampling techniques were used to purge groundwater from each monitoring well prior to collecting groundwater samples. Field parameters (consisting of turbidity, temperature, pH, conductivity, oxidation reduction potential [ORP], and dissolved oxygen) were measured approximately every 5 to 10 minutes during well purging, and the depth to water was monitored throughout the pumping process to minimize drawdown within the well. Well purging activities continued at each well until the field parameters stabilized and the turbidity of the water in the wells was reduced to less than 50 nephelometric turbidity units (NTUs). Groundwater field data is presented in **Appendix A**.

Following purging, groundwater samples were collected. The groundwater samples were bottled and shipped to Pace Analytical for laboratory analysis for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX; EPA Method 8260C), Semi-Volatile Polycyclic Aromatic Hydrocarbons

(PAHs; EPA Method 8270D), as well as total cyanide (EPA Method 9012B). Quality assurance/quality control (QA/QC) samples, including a field duplicate, matrix spike, and duplicate matrix spike were also submitted for laboratory analysis. The laboratory analytical results for the groundwater samples were reported using NYSDEC Analytical Services Protocol (ASP) Category B data deliverable packages to facilitate data validation.

Purge water generated during the sampling activities was collected in 5-gallon buckets and transferred into 55-gallon steel drums for characterization prior to offsite treatment/disposal in accordance with applicable regulations.

Analytical results from the laboratory analysis report are summarized in **Table 3** and compared to the Class GA groundwater standards and guidance values presented in TOGS 1.1.1. VOC, where exceedances are bolded. Analytical data is also shown on **Figure 5** and **Figure 6**. The Data Usability Summary Report (DUSR) is included in **Appendix B**.

In April 2021, monitoring wells MW-3, MW-4, MW-5, MW-ES-8, and MW-12 had no detections of any analyzed compound. Monitoring wells MW-6, and MW-7 had exceedances of one or more compounds during the April 2021 sampling event. In October 2021, MW-1, MW-6, and MW-7 had exceedances of one or more compound. Monitoring well MW-2, MW-3, MW-4, MW-5, MW-ES-8, MW-12, and MW-103 had no detections of any analyzed compound in October 2021.

2.4 Analytical Results Data Validation

The analytical data reports provided by Pace for the April 2021, and October 2021 events were validated by GES. The primary objective of the data validation was to identify any questionable or invalid laboratory processes or data. The data validator reviewed all quality assurance/quality control information and the actual laboratory data to confirm the laboratory was operating within the required limits and results were correctly taken from the instruments.

The Data Usability Summary Reports for the groundwater monitoring including the validated laboratory data is presented in **Appendix B.**

3 Operation and Maintenance Activities

3.1 Quarterly Site-Wide Inspections

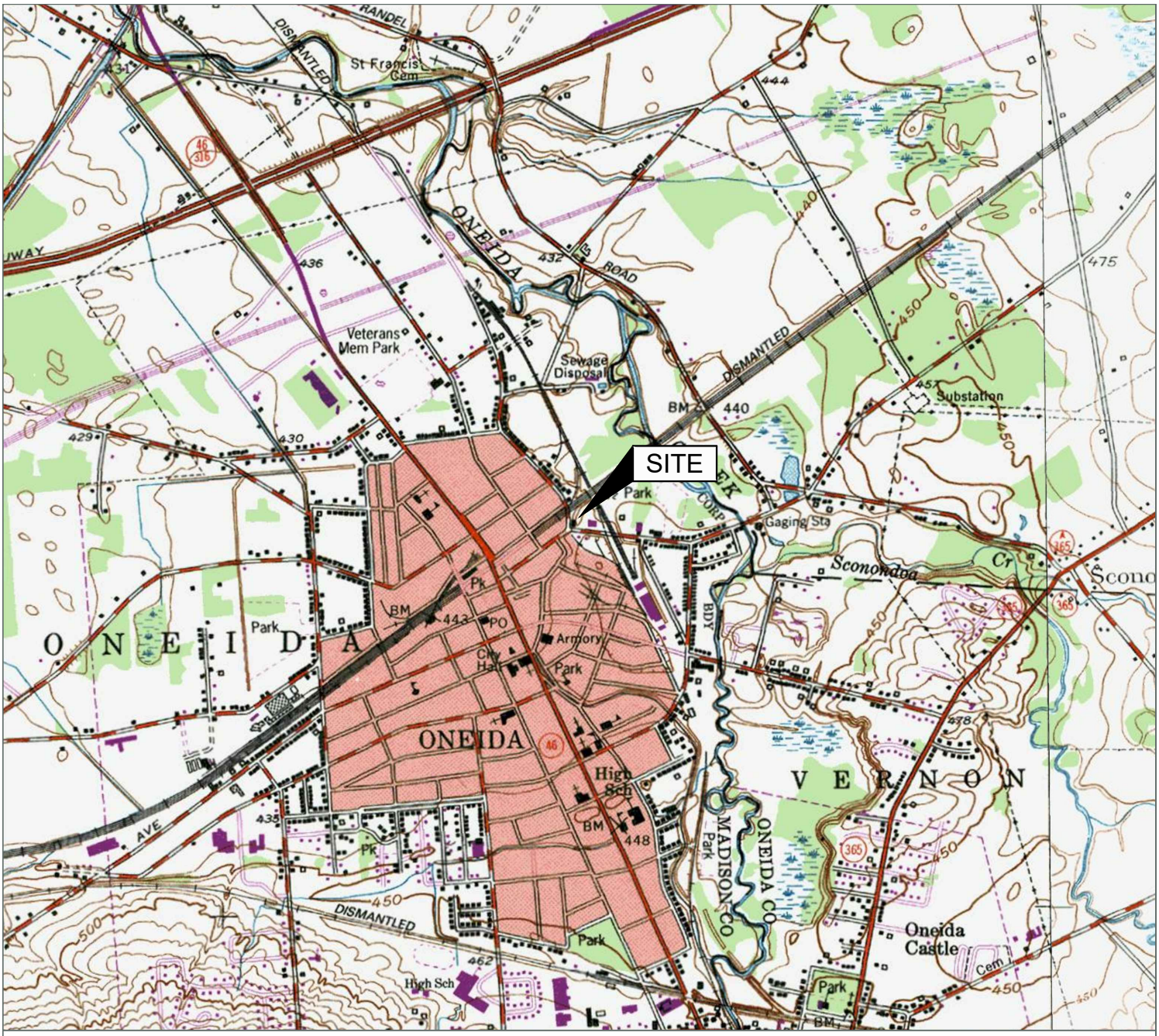
Quarterly site-wide inspections were conducted by GES and documented in inspection sheets. The vegetative cover, fence line, and security gates are inspected as part of site-wide inspection activities. Refer to **Appendix C** for the quarterly inspection sheets.

3.2 Recommendations

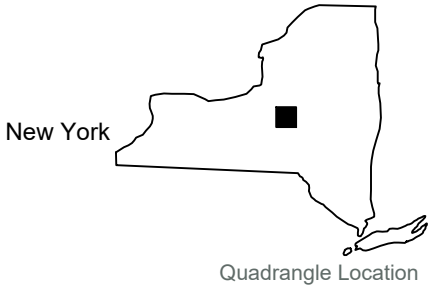
For 2022, GES recommends that the OM&M site program continue with the following elements:

- Perform semi-annual groundwater monitoring well sampling/analysis.
- Perform quarterly site-wide inspections. Conduct site maintenance, including routine snow removal, vegetation removal, and system/building upkeep.
- Perform semi-annual NAPL collection and disposal, as necessary.
- Prepare and submit the annual Groundwater Monitoring Report to NYSDEC.

Figures



Source:
USGS 7.5 Minute Series
Topographic Quadrangle, 1993
Oneida, New York
Contour Interval = 10'



Site Location Map

National Grid
215 Sonondoa Street
Oneida, New York

Drawn W.G.S.
Designed
Approved

Date 9/24/20
Figure 1

N

Scale In Feet
0 2000

GES
Groundwater & Environmental Services, Inc.

M:\Graphics\0600-Syracuse\Misc\National Grid\Oneida\Oneida SLM.dwg, SLM, WShea

LEGEND

- PROPERTY BOUNDARY
- FENCE
- UTILITY MANHOLE
- FIRE HYDRANT
- LIGHT POLE
- UTILITY POLE
- MONITORING WELL
- RECOVERY WELL
- UNDERGROUND SANITARY SEWER LINE
- UNDERGROUND STORM SEWER LINE
- UNDERGROUND TELEPHONE LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND WATER LINE
- UNDERGROUND GAS LINE
- OVERHEAD UTILITIES

Site Map

National Grid
215 Sonondoa Street
Oneida, New York

Drawn
W.G.S.
Designed

Approved

Date
11/3/21
Figure
2

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

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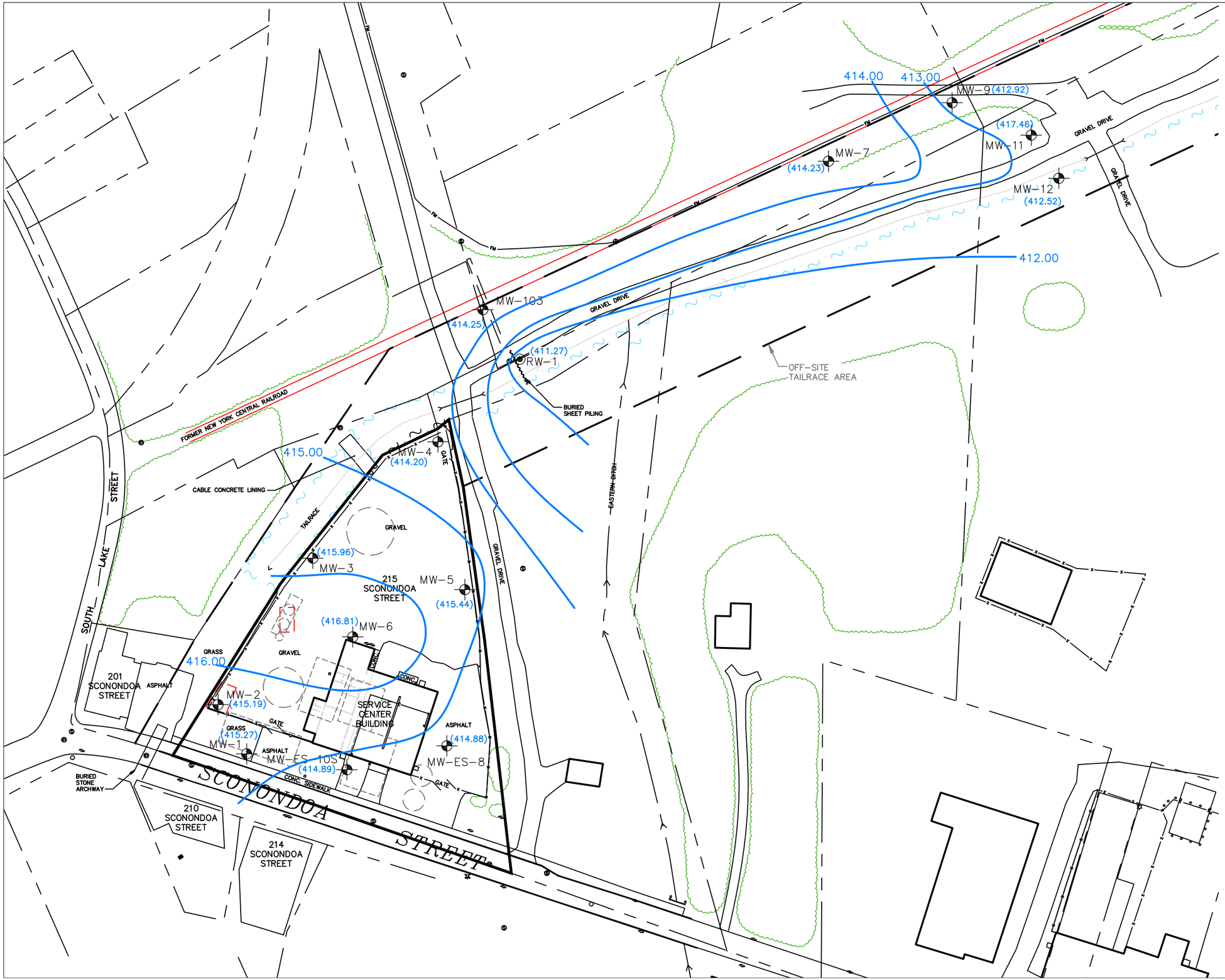

Groundwater Contour Map
April 21, 2021

National Grid
215 Sonondoa Street
Oneida, New York

Drawn W.G.S.
Designed
Approved

Date 12/15/21
Figure 3

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

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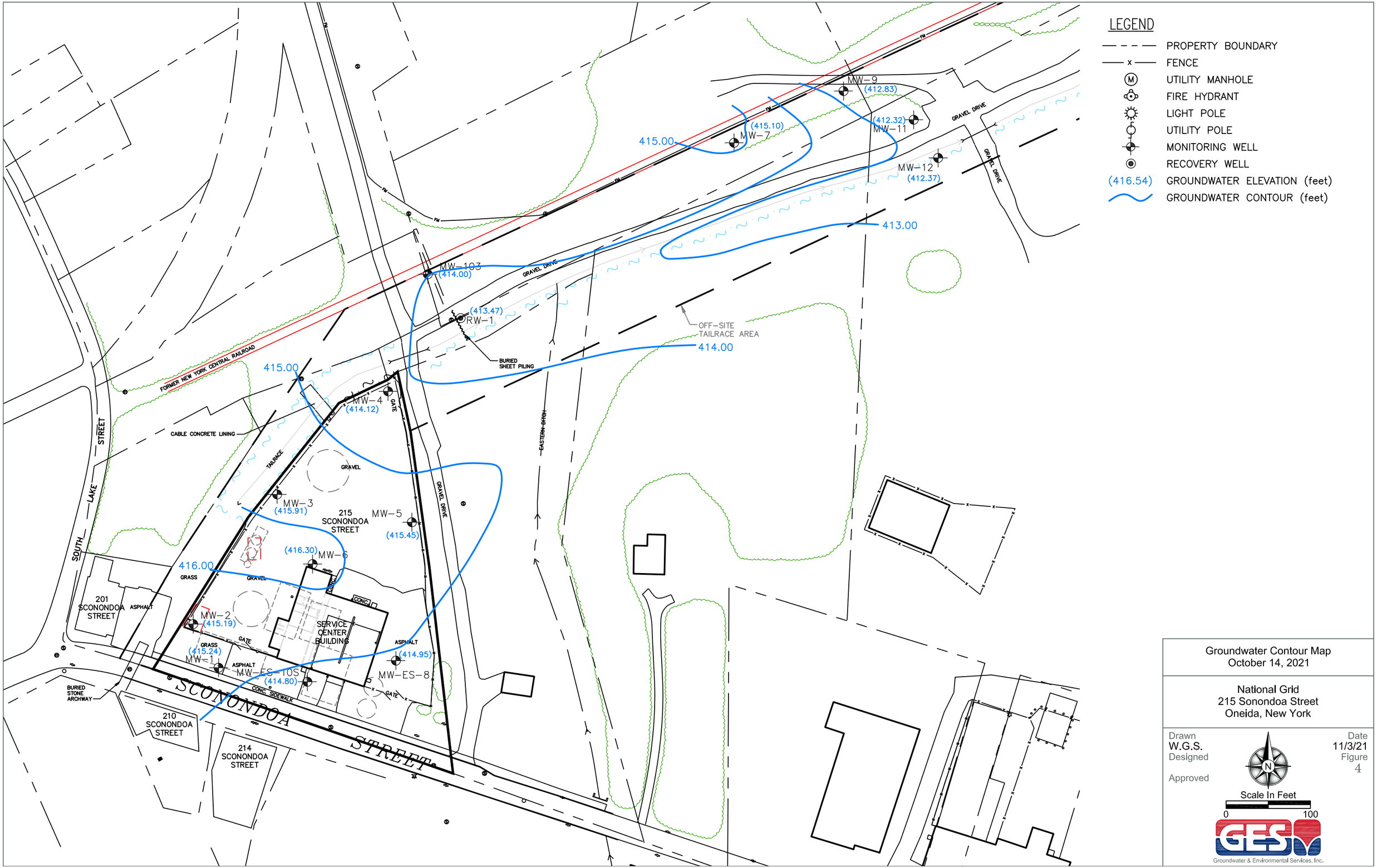

Groundwater Contour Map
October 14, 2021

National Grid
215 Sonondoa Street
Oneida, New York

Drawn W.G.S.
Designed
Approved

Date 11/3/21
Figure 4

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

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MW-9
4-21-21
ND(<3.0)
3.24
ND(<10)

MW-11
4-21-21
ND(<3.0)
0.11
ND(<10)

MW-7
4-21-21
3.5
81.09
ND(<10)

MW-103
4-21-21
ND(<3.0)
0.14
ND(<10)

MW-12
4-21-21
ND(<3.0)
ND(<0.11)
ND(<10)

MW-4
4-21-21
ND(<3.0)
ND(<0.098)
ND(<10)

MW-3
4-21-21
ND(<3.0)
ND(<0.098)
ND(<10)

MW-6
4-21-21
8.2
142.15
ND(<10)

MW-5
4-21-21
ND(<3.0)
ND(<0.099)
ND(<10)

MW-2
4-21-21
ND(<3.0)
0.13
12

MW-ES-8
4-21-21
ND(<3.0)
ND(<0.098)
ND(<10)

MW-1
4-21-21
ND(<3.0)
17.63
42

MW-ES-10S
4-21-21
ND(<3.0)
15.37
19

MW-9
MW-7
MW-11
MW-12
MW-103
RW-1
MW-4
MW-3
MW-5
MW-6
MW-2
MW-1
MW-ES-10S
MW-ES-8

FORMER NEW YORK CENTRAL RAILROAD
OFF-SITE TAILRACE AREA
BURIED SHEET PILING
GRAVEL DRIVE
EASTERN BIRCH
CABLE CONCRETE LINING
TAILRACE
GRAVEL
GATE
LAKE STREET
SOUTH STREET
215 SCONONDOA STREET
GRASS
ASPHALT
CONC.
SERVICE CENTER BUILDING
CONC. SIDEWALK
BURIED STONE ARCHWAY
210 SCONONDOA STREET
214 SCONONDOA STREET
SCONONDOA STREET

LEGEND

- PROPERTY BOUNDARY
- FENCE
- UTILITY MANHOLE
- FIRE HYDRANT
- LIGHT POLE
- UTILITY POLE
- MONITORING WELL
- RECOVERY WELL

MW-1
4-21-21
ND(<3.0)
17.63
42

WELL IDENTIFICATION
SAMPLE DATE
BTEX CONCENTRATION (ug/L)
PAH CONCENTRATION (ug/L)
CYANIDE CONCENTRATION (ug/L)

ug/L — MICROGRAMS PER LITER

BTEX — BENZENE, TOLUENE, ETHYLBENZENE, XYLENES

PAH — POLYCYCLIC AROMATIC HYDROCARBONS

ND — NOT DETECTED

(<#) — WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN

Groundwater Monitoring Map
April 21, 2021

National Grid
215 Sonondoa Street
Oneida, New York

Drawn
W.G.S.
Designed

Approved

Date
11/3/21
Figure
5

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

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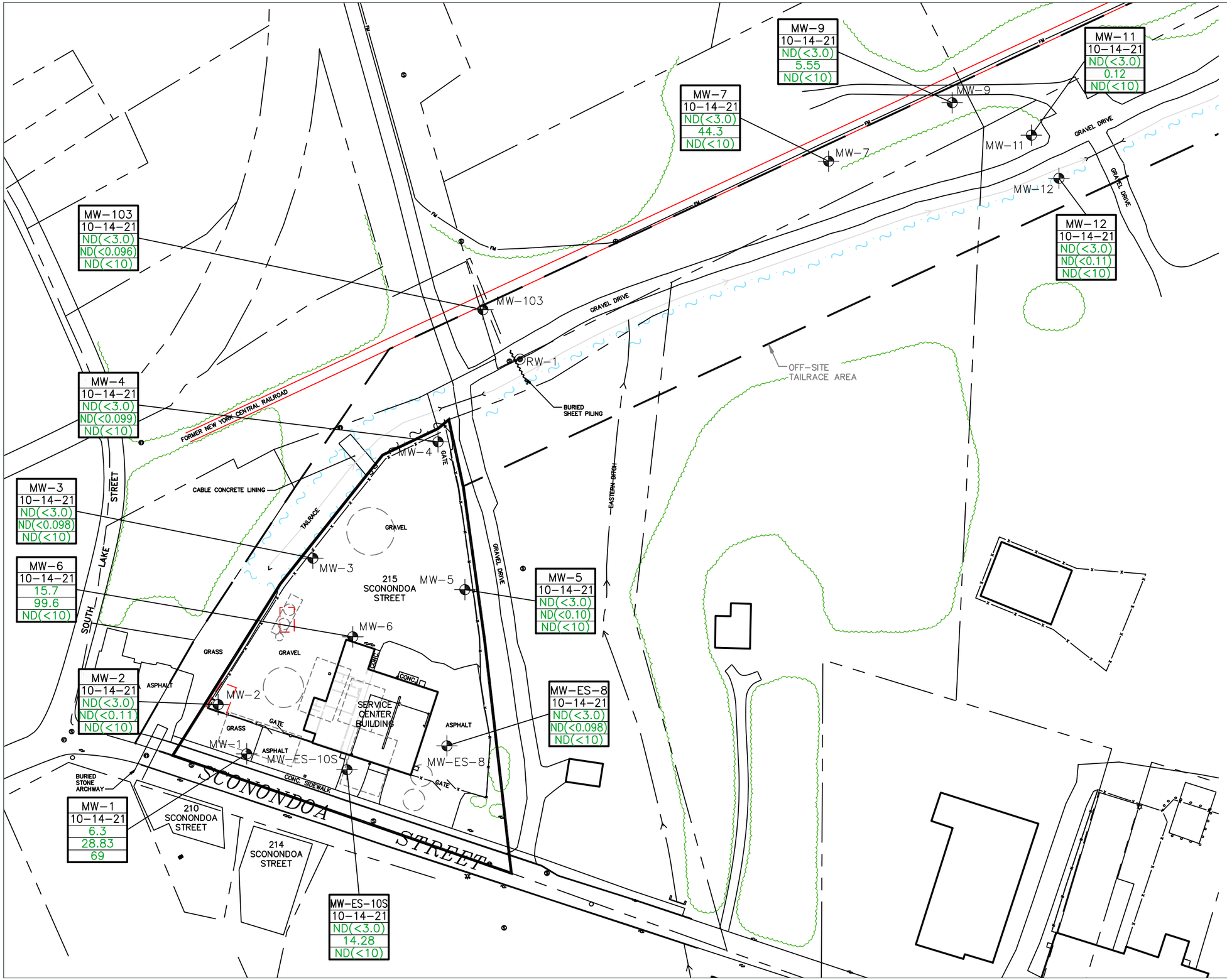

LEGEND

— — — —	PROPERTY BOUNDARY
—— x ——	FENCE
Ⓜ	UTILITY MANHOLE
	FIRE HYDRANT
	LIGHT POLE
	UTILITY POLE
	MONITORING WELL
	RECOVERY WELL
MW-1 10-14-21 6.3 28.83 69	WELL IDENTIFICATION SAMPLE DATE BTEX CONCENTRATION (ug/L) PAH CONCENTRATION (ug/L) CYANIDE CONCENTRATION (ug/L)
ug/L	MICROGRAMS PER LITER
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
PAH	POLYCYCLIC AROMATIC HYDROCARBONS
ND	NOT DETECTED
(<#)	WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN

Groundwater Monitoring Map
October 14, 2021

National Grid
215 Sonondoa Street
Oneida, New York

Drawn
W.G.S.
Designed

Approved

Date
11/3/21
Figure
6

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

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Tables

Table 1

Groundwater Level Measurements

Well ID	ELEVATION REFERENCE POINT	11/20/2014		6/23/2015		10/7/2015		12/28/2015		5/26/2016		10/13/2016		1/31/2017	
		Depth to Water (ft bmp)	GW Elevation (ft NGVD29)	Depth to Water (ft bmp)	GW Elevation (ft NGVD29)	Depth to Water (ft bmp)	GW Elevation (ft NGVD29)	Depth to Water (ft bmp)	GW Elevation (ft NGVD29)	Depth to Water (ft bmp)	GW Elevation (ft NGVD29)	Depth to Water (ft bmp)	GW Elevation (ft NGVD29)	Depth to Water (ft bmp)	GW Elevation (ft NGVD29)
MW-1	422.47	7.69	414.78	6.89	415.58	7.88	414.59	7.34	415.13	7.61	414.86	8.10	414.37	6.80	415.67
MW-2	421.89	7.20	414.69	6.47	415.42	7.31	414.58	6.92	414.97	7.16	414.73	7.60	414.29	6.55	415.34
MW-3	420.77	6.01	414.76	5.07	415.70	6.08	414.69	4.83	415.94	5.64	415.13	6.31	414.46	4.56	416.21
MW-4	419.72	5.93	413.79	5.30	414.42	5.98	413.74	5.78	413.94	5.94	413.78	6.05	413.67	6.56	413.16
MW-5	421.32	6.55	414.77	5.54	415.78	6.87	414.45	6.51	414.81	6.41	414.91	7.03	414.29	5.72	415.60
MW-6	422.21	5.52	416.69	4.46	417.75	6.02	416.19	5.58	416.63	5.59	416.62	6.23	415.98	4.68	417.53
MW-7	439.27	25.59	413.68	24.75	414.52	26.36	412.91	25.04	414.23	25.58	413.69	26.61	412.66	24.52	414.75
MW-ES-8	421.93	7.30	414.63	4.61	417.32	7.09	414.84	5.81	416.12	6.38	415.55	7.65	414.28	5.14	416.79
MW-9	437.43	24.82	412.61	23.59	413.84	25.86	411.57	24.03	413.40	24.84	412.59	26.53	410.90	23.22	414.21
MW-ES-10S	422.02	7.29	414.73	6.82	415.20	7.78	414.24	7.14	414.88	7.64	414.38	8.07	413.95	7.04	414.98
MW-11	420.37	8.30	412.07	4.58	415.79	8.54	411.83	8.02	412.35	8.32	412.05	8.69	411.68	8.48	411.89
MW-12	415.97	3.21	412.76	2.67	413.30	4.06	411.91	2.16	413.81	4.32	411.65	4.73	411.24	2.84	413.13
MW-103	440.82	26.80	414.02	26.67	414.15	27.26	413.56	26.64	414.18	27.04	413.78	27.56	413.26	26.65	414.17
RW-1	420.18	6.99	413.19	6.60	413.58	7.11	413.07	6.66	413.52	7.00	413.18	7.30	412.88	6.69	413.49

ft AMSL = Feet above mean sea level
ft TOC = Feet from top of inner casing
GW = Groundwater
NM = Not measured

Table 1

Groundwater Level Measurements

Well ID	ELEVATION REFERENCE POINT	4/25/2017		7/26/2017		5/29/2018		5/29/2019		10/23/2019		5/28/2020		10/15/2020		4/21/2021		10/14/2021	
		Depth to Water (ft bmp)	GW Elevation (ft NGVD29)	Depth to Water (ft bmp)	GW Elevation (ft NGVD29)	Depth to Water (ft bmp)	GW Elevation (ft NGVD29)	Depth to Water (ft bmp)	GW Elevation (ft NGVD29)	Depth to Water (ft bmp)	GW Elevation (ft NGVD29)	Depth to Water (ft bmp)	GW Elevation (ft NGVD29)	Depth to Water (ft bmp)	GW Elevation (ft NGVD29)	Depth to Water (ft bmp)	GW Elevation (ft NGVD29)	Depth to Water (ft bmp)	GW Elevation (ft NGVD29)
MW-1	422.47	7.74	414.73	7.12	415.35	7.27	415.20	6.65	415.82	6.92	415.55	7.35	415.12	7.99	414.48	7.20	415.27	7.23	415.24
MW-2	421.89	6.44	415.45	6.71	415.18	6.89	415.00	6.31	415.58	6.55	415.34	6.80	415.09	7.42	414.47	6.70	415.19	6.70	415.19
MW-3	420.77	4.25	416.52	4.39	416.38	4.74	416.03	4.19	416.58	4.00	416.77	4.69	416.08	5.43	415.34	4.81	415.96	4.86	415.91
MW-4	419.72	5.41	414.31	5.69	414.03	6.77	412.95	5.39	414.33	5.55	414.17	5.69	414.03	5.95	413.77	5.52	414.20	5.60	414.12
MW-5	421.32	5.27	416.05	5.64	415.68	5.89	415.43	4.93	416.39	5.95	415.37	5.79	415.53	6.90	414.42	5.88	415.44	5.87	415.45
MW-6	422.21	4.51	417.70	4.24	417.97	4.70	417.51	4.42	417.79	4.82	417.39	5.61	416.60	5.67	416.54	5.40	416.81	5.91	416.30
MW-7	439.27	24.01	415.26	24.37	414.90	25.06	414.21	24.02	415.25	24.80	414.47	24.98	414.29	26.75	412.52	25.04	414.23	24.17	415.10
MW-ES-8	421.93	4.45	417.48	4.64	417.29	6.24	415.69	4.64	417.29	5.42	416.51	6.91	415.02	8.12	413.81	7.05	414.88	6.98	414.95
MW-9	437.43	22.55	414.88	23.18	414.25	24.34	413.09	22.90	414.53	23.70	413.73	24.18	413.25	26.44	410.99	24.51	412.92	24.60	412.83
MW-ES-10S	422.02	6.86	415.16	7.10	414.92	7.28	414.74	6.80	415.22	6.84	415.18	7.23	414.79	7.98	414.04	7.13	414.89	7.22	414.80
MW-11	420.37	7.30	413.07	7.67	412.70	8.11	412.26	7.34	413.03	7.70	412.67	8.00	412.37	8.72	411.65	2.91	417.46	8.05	412.32
MW-12	415.97	2.67	413.30	2.73	413.24	3.76	412.21	2.73	413.24	2.00	413.97	3.95	412.02	4.93	411.04	3.45	412.52	3.60	412.37
MW-103	440.82	26.49	414.33	26.49	414.33	26.82	414.00	26.29	414.53	26.42	414.40	26.70	414.12	27.48	413.34	26.57	414.25	26.82	414.00
RW-1	420.18	6.42	413.76	6.71	413.47	7.00	413.18	6.68	413.50	6.70	413.48	7.27	412.91	7.98	412.20	8.61	411.57	6.71	413.47

ft NGVD29 = vertical reference datum in the National Geodetic Verical Datum of 1929 (NGVD29)
ft bmp = Feet from below the measuring point
GW = Groundwater
NM = Not measured

Table 2

NAPL Thickness

Well ID	11/20/2014	6/23/2015	10/7/2015	12/28/2015	5/26/2016	10/13/2016	1/31/2017	4/25/2017	7/26/2017	5/29/2018	5/29/2019	10/23/2019	5/28/2020	10/15/2020	4/21/2021	10/14/2021
MW-1	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
MW-2	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
MW-3	NP	NP	NP	NP	Trace	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
MW-4	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
MW-5	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
MW-6	NP	NP	Trace	0.35	0.25	0.11	0.37	0.07	0.09	Trace	0.02	NP	NP	NP	NP	NP
MW-7	NP	NP	NP	NP	Trace	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
MW-ES-8	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
MW-9	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
MW-ES-10S	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
MW-11	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
MW-12	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
MW-103	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
RW-1	NP	Trace	Trace	Trace	Trace	NP	NP	Trace	NP	Trace	NP	NP	NP	NP	NP	NP

Notes
All measurements are recorded in feet.
NP = No NAPL was detected in the well.
NM = Not measured.
Trace = Immeasureable thickness of NAPL detected in well, or observed on oil-water interface probe during gauging.

Table 3

Groundwater Analytical Data
MW-1

CONSTITUENT	UNITS	NYSDEC AWQS Values	11/24/14	06/24/15	12/28/15	10/14/16	04/26/17	05/31/18	05/30/19	10/23/19	05/28/20	10/15/20	04/21/21	10/14/21
BTEX Compounds														
Benzene	µg/L	1	**89.3 J**	**8.2**	**8.0**	**16.1**	**2.2**	**8**	**3**	**28.7**	**3.0**	**12.5**	ND (<1.0)	**6.3**
Ethylbenzene	µg/L	5	**24.4 J**	0.95 J	1.5	4.0	0.63 J	4	1	3.9	1.5	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	**27.9**	0.50 J	ND (<1.0)	0.58 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	**81.8**	**8.6**	2.5	3.7	1.0	2	ND (<5.0)	4.2	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
PAHs														
Acenaphthene	µg/L	20	**24**	9.7	13.2	**26.8**	6.8	**27**	16	15.5	7.4	10.9	11.2	17.4
Acenaphthylene	µg/L	NC	5.7	3.8	4.6	6.8	0.84 J	2	0.7	0.71	0.35	0.62	ND (<0.098)	0.7
Anthracene	µg/L	50	3.3	1.6 J	1.6 J	2.3	ND (<1.0)	2	0.7	2.5	0.41	0.56	0.55	0.86
Benzo(a)anthracene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	**0.03 J**	**0.27**	ND (<0.095)	ND (<0.12)	ND (<0.098)	ND (<0.10)
Benzo(a)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	**0.12**	ND (<0.095)	ND (<0.12)	ND (<0.098)	ND (<0.10)
Benzo(b)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<1.0)	ND (<0.5)	**0.02 J**	**0.14**	ND (<0.095)	ND (<0.12)	ND (<0.098)	ND (<0.10)
Benzo(g,h,i)perylene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.098)	ND (<0.095)	ND (<0.12)	ND (<0.098)	ND (<0.10)
Benzo(k)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.098)	ND (<0.095)	ND (<0.12)	ND (<0.098)	ND (<0.10)
Chrysene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	**0.03 J**	**0.2**	ND (<0.095)	ND (<0.12)	ND (<0.098)	ND (<0.10)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.098)	ND (<0.095)	ND (<0.12)	ND (<0.098)	ND (<0.10)
Fluoranthene	µg/L	50	3.4	1.5 J	2.3 J	2.0	ND (<1.0)	1	0.7	3.2	0.51	0.88	0.51	1.1
Fluorene	µg/L	50	13.3	5.4	3.8 J	4.9	1.4	8	6	8.1	2.8	3.8	3.0	6.5
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.098)	ND (<0.095)	ND (<0.12)	ND (<0.098)	ND (<0.10)
2-Methylnaphthalene	µg/L	NC	3.8	2.5	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	0.44	ND (<0.095)	0.34	ND (<0.098)	ND (<0.10)
Naphthalene	µg/L	10	ND (<2.0)	9.6	3.5	**17.3**	1.2	3	4	**22.6**	0.89	8.0	1.4	1.4
Phenanthrene	µg/L	50	8.5	6.8	1.1 J	13.9	ND (<1.0)	6	3	5.2	0.99	0.18	0.65	0.19
Pyrene	µg/L	50	2.5	1.0 J	1.6 J	1.2 J	ND (<1.0)	0.9	0.5	2.2	0.34	0.61	0.32	0.68
Cyanide														
Cyanide	µg/L	200	38	31	49	100	20	62	48	ND (<10)	76	99	42	69

AWQS = Ambient Water Quality Standards
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-2

CONSTITUENT	UNITS	NYSDEC AWQS Values	11/24/14	06/24/15	12/28/15	10/13/16	05/10/17	05/31/18	05/30/19	10/23/19	05/28/20	10/15/20	04/21/21	10/14/21
BTEX Compounds														
Benzene	µg/L	1	**31.4**	0.50 U	**61.4 J**	**41.6**	0.6 [1.5]	ND (<1)	ND (<1)	ND (<1.0)	**9.4**	**1.3**	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	1.0	ND (<1.0)	0.67 J	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	1.3	ND (<1.0)	0.37 J	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<5)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
PAHs														
Acenaphthene	µg/L	20	**34.8**	0.36 J	**30.1**	13.7	ND (<1.1)	2	ND (<0.05)	1.2	1.7	4.3	0.13	ND (<0.11)
Acenaphthylene	µg/L	NC	7.3	ND (<2.0)	7.0	2.1	ND (<1.1)	0.3 J	ND (<0.05)	0.18	0.26	0.58	ND (<0.098)	ND (<0.11)
Anthracene	µg/L	50	1.8 J	ND (<2.0)	1.3 J	ND (<2.0)	ND (<1.1)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.098)	ND (<0.11)
Benzo(a)anthracene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.1)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.098)	ND (<0.11)
Benzo(a)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.1)	ND (<1.1)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.098)	ND (<0.11)
Benzo(b)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.1)	ND (<1.1)	ND (<0.5)	**0.02 J**	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.098)	ND (<0.11)
Benzo(g,h,i)perylene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.1)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.098)	ND (<0.11)
Benzo(k)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.1)	ND (<0.5)	**0.04 J**	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.098)	ND (<0.11)
Chrysene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.1)	ND (<0.5)	**0.01 J**	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.098)	ND (<0.11)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.1)	ND (<1.1)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.098)	ND (<0.11)
Fluoranthene	µg/L	50	1.5 J	ND (<2.0)	1.1 J	0.71 J	ND (<1.1)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	0.18	ND (<0.098)	ND (<0.11)
Fluorene	µg/L	50	17	ND (<2.0)	13.8 J	5.6	ND (<1.1)	0.9	ND (<0.05)	0.38	0.54	1.0	ND (<0.098)	ND (<0.11)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.1)	ND (<1.1)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.098)	ND (<0.11)
2-Methylnaphthalene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.1)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	0.12	ND (<0.098)	ND (<0.11)
Naphthalene	µg/L	10	1.3 J	ND (<2.0)	1.2 J	ND (<2.0)	ND (<1.1)	0.6	ND (<0.07)	ND (<0.10)	0.32	0.24	ND (<0.098)	ND (<0.11)
Phenanthrene	µg/L	50	9.0	ND (<2.0)	5.3 J	0.51 J	ND (<1.1)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	0.25	ND (<0.098)	ND (<0.11)
Pyrene	µg/L	50	1.1 J	ND (<2.0)	0.88 J	0.60 J	ND (<1.1)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	0.17	ND (<0.098)	ND (<0.11)
Cyanid														
Cyanide	µg/L	200	11	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	110	ND (<10)	ND (<10)	12	ND (<10)

AWQS = Ambient Water Quality Standards
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-3

CONSTITUENT	UNITS	NYSDEC AWQS Values	11/21/14	06/24/15	12/30/15	10/14/16	04/25/17	05/30/18	05/30/19	10/23/19	05/28/20	10/15/20	04/21/21	10/14/21
BTEX Compounds														
Benzene	µg/L	1	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	0.26 J	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<5)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
PAHs														
Acenaphthene	µg/L	20	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.098)	ND (<0.098)
Acenaphthylene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.098)	ND (<0.098)
Anthracene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.098)	ND (<0.098)
Benzo(a)anthracene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	**0.22**	ND (<0.098)	ND (<0.098)
Benzo(a)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	**0.23**	ND (<0.098)	ND (<0.098)
Benzo(b)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	**0.38**	ND (<0.098)	ND (<0.098)
Benzo(g,h,i)perylene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	0.19	ND (<0.098)	ND (<0.098)
Benzo(k)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	**0.18**	ND (<0.098)	ND (<0.098)
Chrysene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	**0.24**	ND (<0.098)	ND (<0.098)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.098)	ND (<0.098)
Fluoranthene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	0.32	ND (<0.098)	ND (<0.098)
Fluorene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.098)	ND (<0.098)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	**0.18**	ND (<0.098)	ND (<0.098)
2-Methylnaphthalene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.098)	ND (<0.098)
Naphthalene	µg/L	10	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	0.20	ND (<0.098)	ND (<0.098)
Phenanthrene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	0.11	ND (<0.098)	ND (<0.098)
Pyrene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	0.32	ND (<0.098)	ND (<0.098)
Cyanid														
Cyanide	µg/L	200	42	24	ND (<10)	16	ND (<10)	8.1 J	ND (<10)	ND (<10)	ND (<10)	11	ND (<10)	ND (<10)

AWQS = Ambient Water Quality Standards
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J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-4

CONSTITUENT	UNITS	NYSDEC AWQS Values	11/21/14	06/23/15	12/30/15	10/14/16	04/25/17	05/30/18	05/30/19	10/23/19	05/28/20	10/15/20	04/21/21	10/14/21
BTEX Compounds														
Benzene	µg/L	1	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	0.39 J	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<5)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
PAHs														
Acenaphthene	µg/L	20	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Acenaphthylene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Anthracene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Benzo(a)anthracene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Benzo(a)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Benzo(b)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Benzo(g,h,i)perylene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Benzo(k)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Chrysene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Fluoranthene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Fluorene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
2-Methylnaphthalene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Naphthalene	µg/L	10	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Phenanthrene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Pyrene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)
Cyanide														
Cyanide	µg/L	200	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)

AWQS = Ambient Water Quality Standards
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-5

CONSTITUENT	UNITS	NYSDEC AWQS Values	11/24/14	06/23/15	12/28/15	10/13/16	04/25/17	05/30/18	05/30/19	10/23/19	05/28/20	10/15/20	04/21/21	10/14/21
BTEX Compounds														
Benzene	µg/L	1	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<5)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
PAHs														
Acenaphthene	µg/L	20	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.099)	0.12	ND (<0.11)	ND (<0.099)	ND (<0.10)
Acenaphthylene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.099)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.10)
Anthracene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.099)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.10)
Benzo(a)anthracene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.099)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.10)
Benzo(a)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.099)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.10)
Benzo(b)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.099)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.10)
Benzo(g,h,i)perylene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.099)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.10)
Benzo(k)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.099)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.10)
Chrysene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.099)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.10)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.099)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.10)
Fluoranthene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.099)	0.13	ND (<0.11)	ND (<0.099)	ND (<0.10)
Fluorene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.099)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.10)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.099)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.10)
2-Methylnaphthalene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.099)	0.1	ND (<0.11)	ND (<0.099)	ND (<0.10)
Naphthalene	µg/L	10	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.099)	0.12	ND (<0.11)	ND (<0.099)	ND (<0.10)
Phenanthrene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.099)	0.22	ND (<0.11)	ND (<0.099)	ND (<0.10)
Pyrene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.099)	0.15	ND (<0.11)	ND (<0.099)	ND (<0.10)
Cyanide														
Cyanide	µg/L	200	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	6.7 J	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)

AWQS = Ambient Water Quality Standards
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-6

CONSTITUENT	UNITS	NYSDEC AWQS Values	11/24/14	06/23/15	10/23/19	05/28/20	10/15/20	04/21/21	10/14/21
BTEX Compounds									
Benzene	µg/L	1	**135**	**28.4**	**7.9**	**10.1**	**82.5**	ND (<1.0)	**9.1**
Ethylbenzene	µg/L	5	**175**	**25.0**	4.1	**23.1**	**20.3**	3.7	**2.9**
Toluene	µg/L	5	**6.3**	1.0	ND (<1.0)	ND (<1.0)	2.2	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	**217**	**34.4**	**6.6**	**31.3**	**32.5**	4.5	**3.7**
PAHs									
Acenaphthene	µg/L	20	**205**	**51.3**	**49.9**	**78.0**	**119**	**23.7**	**47.6**
Acenaphthylene	µg/L	NC	6.2 J	ND (<2.0)	1.7	14.9	11.4	ND (<0.11)	2.6
Anthracene	µg/L	50	9.6 J	1.7 J	9.0	48.0	48.6	3.6	3.1
Benzo(a)anthracene	µg/L	0.002	ND (<20)	ND (<2.0)	**3.5**	**33.7**	**31.8**	**2.0**	**3.1**
Benzo(a)pyrene	µg/L	0.002	ND (<20)	ND (<2.0)	**2.7**	**26.0**	**24.5**	**1.8**	**2.4**
Benzo(b)fluoranthene	µg/L	0.002	ND (<20)	ND (<2.0)	**3.1**	**21.0**	**21.4**	**1.7**	**2.9**
Benzo(g,h,i)perylene	µg/L	NC	ND (<20)	ND (<2.0)	0.87	9.0	8.2	0.85	0.93
Benzo(k)fluoranthene	µg/L	0.002	ND (<20)	ND (<2.0)	**2.9**	**9.4**	**7.6**	**0.58**	**2.5**
Chrysene	µg/L	0.002	ND (<20)	0.22 J	**2.8**	**21.5**	**23.6**	**1.6**	**2.0**
Dibenzo(a,h)anthracene	µg/L	NC	ND (<20)	ND (<2.0)	0.3	3.0	2.8	0.27	0.29
Fluoranthene	µg/L	50	4.8 J	3.4	11.4	**70.6**	**72**	4.2	9.6
Fluorene	µg/L	50	**58.3**	13.3	16.4	**50.8**	**59.5**	11.2	4.0
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<20)	ND (<2.0)	**0.80**	**9.1**	**8.10**	**0.75**	**0.86**
2-Methylnaphthalene	µg/L	NC	511	56.0	ND (<0.099)	78.2	101	20.4	1.2
Naphthalene	µg/L	10	**1,890**	**118**	ND (<0.099)	**92.7**	**186**	**48.2**	4.7
Phenanthrene	µg/L	50	**62.6**	**12.6**	40.9	**130**	**179**	16.7	2
Pyrene	µg/L	50	4.2 J	2.9	12.1	**76.4**	**75.9**	4.6	10.2
Cyanide									
Cyanide	µg/L	200	28	7.4 B	14	ND (<10)	18	ND (<10)	ND (<10)

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BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-7

CONSTITUENT	UNITS	NYSDEC AWQS Values	11/20/14	06/25/15	12/29/15	10/13/16	04/25/17	05/30/18	05/30/19	10/23/19	05/28/20	10/15/20	04/21/21	10/14/21
BTEX Compounds														
Benzene	µg/L	1	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	1.0	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	**13.6**	1.5	ND (<1.0)	1.8	**9.9**	ND (<1)	ND (<1)	1.7	ND (<1.0)	1.4	1.4	ND (<1.0)
Toluene	µg/L	5	0.52 J	1.2	ND (<1.0)	ND (<1.0)	0.95 J	ND (<1)	0.7 J	1.3	1.5	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	**9.4**	4.0	0.40 J	2.3	**7.3**	ND (<1)	ND (<5)	1.5	1.3	2.0	2.1	ND (<3.0)
PAHs														
Acenaphthene	µg/L	20	**55.5**	**21.7**	12.5	15.4	**43.3**	**29**	**34**	11.0	17.8	19.5	**24.6**	**22.6**
Acenaphthylene	µg/L	NC	1.5 J	1.0 J	0.78 J	0.83 J	1.8	1	1	0.67	1.2	1.2	ND (<0.10)	1.3
Anthracene	µg/L	50	9.6	2.5	0.69 J	0.37 J	2.9	1	3	0.49	1.0	0.51	1.1	0.61
Benzo(a)anthracene	µg/L	0.002	ND (<2.0)	0.27 J	ND (<2.0)	ND (<2.1)	0.44 J	0.2	**0.3**	**0.25**	**0.28**	**0.16**	**0.28**	**0.13**
Benzo(a)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<5.2)	ND (<1.0)	ND (<0.5)	**0.1**	**0.12**	**0.14**	ND (<0.096)	**0.21**	ND (<0.099)
Benzo(b)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<5.2)	ND (<1.0)	ND (<0.5)	**0.1**	ND (<0.11)	**0.12**	ND (<0.096)	**0.18**	ND (<0.099)
Benzo(g,h,i)perylene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<1.0)	ND (<0.5)	0.03 J	ND (<0.11)	ND (<0.095)	ND (<0.096)	ND (<0.10)	ND (<0.099)
Benzo(k)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<1.0)	ND (<0.5)	**0.04 J**	ND (<0.11)	ND (<0.095)	ND (<0.096)	ND (<0.10)	ND (<0.099)
Chrysene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<1.0)	**0.1 J**	**0.2**	**0.19**	**0.17**	**0.12**	**0.21**	ND (<0.099)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<5.2)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.11)	ND (<0.095)	ND (<0.096)	ND (<0.10)	ND (<0.099)
Fluoranthene	µg/L	50	5.2	2.9	1.0 J	0.52 J	2.6	1	2	0.76	0.99	0.61	0.92	0.61
Fluorene	µg/L	50	26.6	7.1	4.1	5.1	14.3	11	14	3.6	6.8	6.3	8.4	7.5
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<5.2)	ND (<1.0)	ND (<0.5)	**0.04 J**	ND (<0.11)	ND (<0.095)	ND (<0.096)	ND (<0.10)	ND (<0.099)
2-Methylnaphthalene	µg/L	NC	36.1	2.4	2.0 U	ND (<2.1)	3.1	2	3	0.68	1.3	0.47	9.8	0.85
Naphthalene	µg/L	10	**88**	2.4	0.75 J	0.76 J	**17.7**	6	10	6.5	6.3	6.5	**28.8**	7.6
Phenanthrene	µg/L	50	46.5	8.0	2.5	1.7 J	13.3	6	13	1.8	3.9	1.9	5.6	2.5
Pyrene	µg/L	50	4.6	2.9	1.1 J	0.49 J	2.4	1	2	0.82	1.0	0.62	0.99	0.61
Cyanide														
Cyanide	µg/L	200	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)

AWQS = Ambient Water Quality Standards
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-ES-8

CONSTITUENT	UNITS	NYSDEC AWQS Values	11/24/14	06/23/15	12/28/15	10/13/16	04/25/17	05/30/18	05/30/19	10/23/19	05/28/20	10/15/20	04/21/21	10/14/21
BTEX Compounds														
Benzene	µg/L	1	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	0.7 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<5)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
PAHs														
Acenaphthene	µg/L	20	10.1	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	0.15	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Acenaphthylene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Anthracene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Benzo(a)anthracene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Benzo(a)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Benzo(b)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Benzo(g,h,i)perylene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Benzo(k)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Chrysene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Fluoranthene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Fluorene	µg/L	50	2.9	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
2-Methylnaphthalene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	0.17	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Naphthalene	µg/L	10	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	0.29	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Phenanthrene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	0.15	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Pyrene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)
Cyanide														
Cyanide	µg/L	200	15	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	16	ND (<10)	ND (<10)

AWQS = Ambient Water Quality Standards
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-9

CONSTITUENT	UNITS	NYSDEC AWQS Values	11/20/14	06/25/15	12/29/15	10/17/16	04/27/17	05/29/18	05/29/19	10/23/19	05/28/20	10/15/20	04/21/21	10/14/21
BTEX Compounds														
Benzene	µg/L	1	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	ND (<1.0)	0.82 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	0.29 J	0.94 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	0.7 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	1.3	1.9	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<5)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
PAHs														
Acenaphthene	µg/L	20	**41.9**	**41.4**	**24.3**	14.8	3.0	0.2 J	2	6.6	4.7	1.8	ND (<0.098)	2.0
Acenaphthylene	µg/L	NC	13.7	8.8	1.6 J	2.1	ND (<1.0)	ND (<0.5)	0.09	0.34	0.31	0.34	ND (<0.098)	0.25
Anthracene	µg/L	50	6.7	6.3	3.1	3.5	ND (<1.0)	ND (<0.5)	0.01 J	ND (<0.12)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.11)
Benzo(a)anthracene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	**0.02 J**	**0.13**	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.11)
Benzo(a)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	**0.02 J**	ND (<0.12)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.11)
Benzo(b)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	**0.02 J**	ND (<0.12)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.11)
Benzo(g,h,i)perylene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.12)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.11)
Benzo(k)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.12)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.11)
Chrysene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	**0.03 J**	ND (<0.12)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.11)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.12)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.11)
Fluoranthene	µg/L	50	3.6	2.8	1.5 J	2.3	1.0	0.9 J	1	3.2	1.9	1.7	2.8	1.5
Fluorene	µg/L	50	25.4	22.8	11.8	8.4	ND (<1.0)	ND (<0.5)	0.05 J	0.21	0.13	ND (<0.095)	ND (<0.098)	ND (<0.11)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.12)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.11)
2-Methylnaphthalene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.12)	0.38	ND (<0.095)	ND (<0.098)	ND (<0.11)
Naphthalene	µg/L	10	2.3	0.33 J	1.9 J	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.12)	0.55	ND (<0.095)	ND (<0.098)	ND (<0.11)
Phenanthrene	µg/L	50	36.5	33.9	8.7	8.4	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.12)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.11)
Pyrene	µg/L	50	3.6	2.8	1.4 J	2.2	1.4	2 J	2	3.9	2.5	2.5	0.44	1.8
Cyanide														
Cyanide	µg/L	200	15	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)

AWQS = Ambient Water Quality Standards
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-ES-10S

CONSTITUENT	UNITS	NYSDEC AWQS Values	11/24/14	06/24/15	12/30/15	10/14/16	04/26/17	05/31/18	05/29/19	10/23/19	05/28/20	10/15/20	04/21/21	10/14/21
BTEX Compounds														
Benzene	µg/L	1	ND (<2.5)	ND (<0.50)	ND (<0.50)	ND (<2.5)	ND (<0.50)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	ND (<5.0)	ND (<1.0)	ND (<1.0)	4.3 J	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	ND (<5.0)	ND (<1.0)	ND (<1.0)	**14.1**	ND (<1.0)	ND (<1)	ND (<5)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
PAHs														
Acenaphthene	µg/L	20	ND (<2.0)	15.7	14.4	11.2	9.2	8	6	6.0	3.9	8.0	10.3	8.8
Acenaphthylene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	0.09	0.15	0.14	0.17	ND (<0.099)	0.21
Anthracene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	0.2 J	0.4	0.19	0.3	0.26	0.31	0.37
Benzo(a)anthracene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)
Benzo(a)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)
Benzo(b)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)
Benzo(g,h,i)perylene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)
Benzo(k)fluoranthene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)
Chrysene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)
Fluoranthene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	0.05	ND (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)
Fluorene	µg/L	50	ND (<2.0)	6.7	6	4.6	4.6	3	3	2.9	2.2	3.6	4.6	4.9
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)
2-Methylnaphthalene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)
Naphthalene	µg/L	10	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	0.04 J	ND (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)
Phenanthrene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	0.5	ND (<0.10)	0.39	0.28	0.16	ND (<0.096)
Pyrene	µg/L	50	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.0)	ND (<0.5)	0.04 J	ND (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)
Cyanide														
Cyanide	µg/L	200	11	ND (<10)	ND (<10)	ND (<10)	13	10	14	ND (<10)	ND (<10)	21	19	ND (<10)

AWQS = Ambient Water Quality Standards
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J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-11

CONSTITUENT	UNITS	NYSDEC AWQS Values	11/20/14	06/24/15	12/29/15	10/14/16	04/26/17	05/30/18	05/29/19	10/23/19	05/28/20	10/15/20	04/21/21	10/14/21
BTEX Compounds														
Benzene	µg/L	1	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<5)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
PAHs														
Acenaphthene	µg/L	20	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
Acenaphthylene	µg/L	NC	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
Anthracene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
Benzo(a)anthracene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
Benzo(a)pyrene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
Benzo(b)fluoranthene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<0.98)	ND (<0.5)	**0.01 J**	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
Benzo(g,h,i)perylene	µg/L	NC	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
Benzo(k)fluoranthene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
Chrysene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<0.98)	ND (<0.5)	ND (<0.07)	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
Fluoranthene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	0.02 J	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
Fluorene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
2-Methylnaphthalene	µg/L	NC	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.07)	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
Naphthalene	µg/L	10	ND (<2.2)	ND (<2.0)	0.99 J	ND (<2.0)	ND (<0.98)	ND (<0.5)	0.06 J	ND (<0.11)	0.25	ND (<0.099)	0.11	0.12
Phenanthrene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.07)	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
Pyrene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	0.03 J	ND (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)
Cyanide														
Cyanide	µg/L	200	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)

AWQS = Ambient Water Quality Standards
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-12

CONSTITUENT	UNITS	NYSDEC AWQS Values	11/20/14	06/24/15	12/29/15	10/14/16	04/26/17	05/30/18	05/31/19	10/23/19	05/28/20	10/15/20	04/21/21	10/14/21
BTEX Compounds														
Benzene	µg/L	1	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<5)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
PAHs														
Acenaphthene	µg/L	20	ND (<2.2)	1.1 J	0.06 J	ND (<2.0)	ND (<0.98)	ND (<0.5)	0.01 J	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Acenaphthylene	µg/L	NC	ND (<2.2)	0.26 J	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	0.03 J	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Anthracene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Benzo(a)anthracene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Benzo(a)pyrene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Benzo(b)fluoranthene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Benzo(g,h,i)perylene	µg/L	NC	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Benzo(k)fluoranthene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Chrysene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<0.98)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Fluoranthene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	0.04 J	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Fluorene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
2-Methylnaphthalene	µg/L	NC	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Naphthalene	µg/L	10	ND (<2.2)	ND (<2.0)	0.99 J	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Phenanthrene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Pyrene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.11)	ND (<0.11)
Cyanide														
Cyanide	µg/L	200	ND (<10)	ND (<10)	ND (<10)	22	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)

AWQS = Ambient Water Quality Standards
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-103

CONSTITUENT	UNITS	NYSDEC AWQS Values	11/21/14	06/25/15	12/29/15	10/17/16	04/27/17	05/29/18	05/29/19	10/23/19	05/23/20	10/15/20	04/21/21	10/14/21
BTEX Compounds														
Benzene	µg/L	1	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	0.37 J	0.39 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	ND (<1.0)	0.53 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	ND (<1.0)	1.1	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<5)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
PAHs														
Acenaphthene	µg/L	20	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	0.05 J	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
Acenaphthylene	µg/L	NC	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
Anthracene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
Benzo(a)anthracene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	**0.01 J**	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
Benzo(a)pyrene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<0.98)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
Benzo(b)fluoranthene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<0.98)	ND (<0.5)	**0.03 J**	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
Benzo(g,h,i)perylene	µg/L	NC	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	0.02 J	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
Benzo(k)fluoranthene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	**0.02 J**	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
Chrysene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	**0.02 J**	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<0.98)	ND (<0.5)	0.02 J	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
Fluoranthene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	0.01 J	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
Fluorene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	0.01 J	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<5.0)	ND (<0.98)	ND (<0.5)	**0.03 J**	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
2-Methylnaphthalene	µg/L	NC	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
Naphthalene	µg/L	10	ND (<2.2)	ND (<2.0)	0.99 J	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.10)	0.14	ND (<0.096)
Phenanthrene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	ND (<0.07)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
Pyrene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<0.5)	0.03 J	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)
Cyanide														
Cyanide	µg/L	200	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)

AWQS = Ambient Water Quality Standards
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Appendix A – Well Sampling Field and Analytical Data

National Grid
Sconondoa Street
Oneida, New York

Semi-Annual Groundwater Sampling Event
April 21, 2021
AJ/PL

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
MW-1	Yes	4"	7.20	N.P	19.70	
MW-2	Yes	2"	6.70		17.66	Field Duplicate
MW-3	Yes	2"	4.81		14.13	
MW-4	Yes	2"	5.52		13.34	
MW-5	Yes	2"	5.88		16.10	
MW-6	Yes	2"	5.40		14.25	
MW-7	Yes	4"	25.04		37.20	
MW-ES-8	Yes	2"	7.05		14.10	
MW-9	Yes	4"	24.51		40.50	MS/MSD
MW-ES-10S	Yes	2"	7.13		14.50	
MW-11	Yes	2"	2.91		18.50	
MW-12	Yes	2"	3.45		14.30	
MW-103	Yes	2"	26.57		40.00	
RW-1	No	6"	8.61		28.52	

DTW *-depth to water*

DTP *-depth to product*

DTB *-depth to bottom*

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: AJ
Job Number: 0603200-132410-221
Well Id. **MW-1**

Date: 4/21/21
Weather: 34°F, snow
Time In: 1220 Time Out: 1305

Well Information

		TOC	Other
Depth to Water:	(feet)	7.20	
Depth to Bottom:	(feet)	19.70	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	12.50	
Volume of Water in Well:	(gal)	8.25	
Three Well Volumes:	(gal)	24.75	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1225	7.33	8.01	7.38	-4	1.09	31.8	0.13	0.69
1230	7.55	8.19	7.26	-116	2.12	80.0	0.00	1.35
1235	7.65	8.32	7.24	-133	2.17	72.4	0.00	1.39
1240	7.75	8.31	7.24	-135	2.16	25.8	0.00	1.38
1245	7.85	8.30	7.25	-135	2.16	18.4	0.00	1.38
1250	7.92	8.29	7.25	-135	~~1.08~~ 2.15	8.8	0.00	1.38
1255	8.00	8.38	7.25	-135	2.15	10.0	0.00	1.38

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 100 ml ambers	Yes [X]	No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X]	No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 250 ml plastic	Yes [X]	No [ ]

Sample ID: **MW-1-0421** Duplicate? Yes [ ] No [X]
Sample Time: 1300 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: AJ
Job Number: 0603200-132410-221
Well Id. **MW-2**

Date: 4/21/21
Weather: 34°F, snow
Time In: 1135 Time Out: 1215

Well Information

		TOC	Other
Depth to Water:	(feet)	6.70	
Depth to Bottom:	(feet)	17.66	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	10.96	
Volume of Water in Well:	(gal)	1.75	
Three Well Volumes:	(gal)	5.2	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1135	6.85	7.85	7.61	105	0.542	12.1	4.87	0.347
1140	6.85	7.60	7.61	108	0.533	16.2	3.53	0.341
1145	6.85	7.68	7.52	106	0.525	8.0	0.14	0.336
1150	6.85	7.73	7.50	104	0.528	5.5	0.00	0.338
1155	6.85	7.82	7.49	104	0.535	4.9	0.00	0.342
1200	6.85	7.91	7.48	103	0.545	9.4	0.00	0.348
1205	6.85	7.95	7.47	103	0.557	7.9	0.00	0.356

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

4 - 100 ml ambers Yes [X] No [ ]
6 - 40 ml vials Yes [X] No [ ]
2 - 250 ml plastic Yes [X] No [ ]

FD-0421

Sample ID: **MW-2-0421** Duplicate? Yes [X] No [X]
Sample Time: 1210 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: AJ
Job Number: 0603200-132410-221
Well Id. **MW-3**

Date: 4/21/21
Weather: 36°F, light rain/snow
Time In: 1045 Time Out: 1130

Well Information

		TOC	Other
Depth to Water:	(feet)	4.81	
Depth to Bottom:	(feet)	14.13	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	9.32	
Volume of Water in Well:	(gal)	1.49	
Three Well Volumes:	(gal)	4.4	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.0 (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1050	4.99	8.21	7.63	44	0.554	28.3	5.29	0.355
1055	5.03	8.29	7.40	54	0.556	16.3	4.70	0.356
1100	5.13	8.34	7.57	74	0.542	4.2	4.28	0.347
1105	5.21	8.29	7.56	90	0.530	2.5	4.34	0.339
1110	5.27	8.24	7.55	97	0.532	2.1	4.29	0.340
1115	5.28	8.22	7.55	98	0.535	1.9	4.15	0.342
1120	5.31	8.18	7.53	100	0.540	1.5	3.78	0.346

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

2 - 100 ml ambers Yes [X] No [ ]
3 - 40 ml vials Yes [X] No [ ]
1 - 250 ml plastic Yes [X] No [ ]

Sample ID: **MW-3-0421** Duplicate? Yes [ ] No [X]
Sample Time: 1125 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: AJ
Job Number: 0603200-132410-221
Well Id. **MW-4**

Date: 4/21/21
Weather: 36°F, light rain/snow
Time In: 1000 Time Out: 1040

Well Information

		TOC	Other
Depth to Water:	(feet)	5.52	
Depth to Bottom:	(feet)	13.34	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	7.82	
Volume of Water in Well:	(gal)	1.25	
Three Well Volumes:	(gal)	3.5	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1005	5.78	9.06	7.24	9	0.745	8.5	0.00	0.492
1010	5.81	8.88	7.36	-37	0.718	14.7	0.00	0461
1015	5.83	8.83	7.34	-60	0.711	11.7	000	0455
1020	5.83	8.83	7.34	-64	0.711	7.3	0.00	0.455
1025	5.83	8.80	7.34	-66	0.711	4.2	0.00	0.455
1030	5.83	8.79	7.34	-67	0.711	3.1	0.00	0.455
1035	5.83	8.77	7.34	-67	0.711	1.8	0.00	0.455

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

2 - 100 ml ambers Yes [X] No [ ]
3 - 40 ml vials Yes [X] No [ ]
1 - 250 ml plastic Yes [X] No [ ]

Sample ID: **MW-4-0421** Duplicate? Yes [ ] No [X]
Sample Time: 1040 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: AJ
Job Number: 0603200-132410-221
Well Id. **MW-5**

Date: 4/21/21
Weather: 36°F, light rain/snow
Time In: 0910 Time Out: 0955

Well Information

		TOC	Other
Depth to Water:	(feet)	5.88	
Depth to Bottom:	(feet)	16.10	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	10.22	
Volume of Water in Well:	(gal)	1.63	
Three Well Volumes:	(gal)	4.9	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0915	6.04	10.41	7.27	-25	1.21	119	1.07	0.793
0920	6.11	9.46	7.35	5	0.826	102	0.94	0.536
0925	6.13	9.28	7.20	7	0.801	9.1	0.00	0.513
0930	6.21	9.27	7.17	17	0.793	3.8	0.00	0.505
0935	6.21	9.25	7.15	24	0.792	3.5	0.00	0.507
0940	6.21	9.21	7.14	25	0.794	2.8	0.00	0.508
0945	6.21	9.18	7.14	32	0.797	2.0	0.00	0.510

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

2 - 100 ml ambers Yes [X] No [ ]
3 - 40 ml vials Yes [X] No [ ]
1 - 250 ml plastic Yes [X] No [ ]

Sample ID: **MW-5-0421** Duplicate? Yes [ ] No [X]
Sample Time: 0950 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: AS
Job Number: 0603200-132410-221
Well Id. **MW-6**

Date: 4/21/21
Weather: 34°F, snow
Time In: 1305 Time Out: 1350

Well Information

		TOC	Other
Depth to Water:	(feet)	5.40	
Depth to Bottom:	(feet)	14.25	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	8.85	
Volume of Water in Well:	(gal)	1.41	
Three Well Volumes:	(gal)	4.2	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW * (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1310	5.31	7.97	7.12	-105	1.43	112	0.00	0.951
1315	5.40	7.32	6.54	-53	0.648	270	1.12	0.436
1320	5.40	6.71	6.92	-24	0.421	172	5.86	0.281
1325	5.40	6.20	7.05	-6	0.211	163	8.31	0.142
1330	5.40	5.94	7.39	2	0.123	113	9.08	0.082
1335	5.40	5.91	7.61	6	0.103	77.8	9.13	0.067
1340	5.40	5.93	7.78	8	0.055	58.7	9.16	0.062

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 100 ml ambers	Yes [X]	No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X]	No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 250 ml plastic	Yes [X]	No [ ]

Sample ID: **MW-6-0421**
Sample Time: 1345
Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:
* Surface water running into well, cannot avoid.

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: Peter Lyon
Job Number: 0603200-132410-221
Well Id. **MW-7**

Date: 4/21/21
Weather: Rain/Snow 35°
Time In: 1105 Time Out: 11.45

Well Information

		TOC	Other
Depth to Water:	(feet)	25.04	
Depth to Bottom:	(feet)	37.20	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	12.16	
Volume of Water in Well:	(gal)	8.02	
Three Well Volumes:	(gal)	24.07	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other: ☐
Well Diameter: 1" ☐ 2" ☐ Other: 4"
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	1

Did well go dry? Yes ☐ No ☐

Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1110	25.11	8.65	7.31	-102	1.75	937	0.00	1.12
1115	25.11	8.91	7.33	-115	1.72	147	0.00	1.10
1120	25.11	9.03	7.30	-109	1.69	25.4	0.00	1.08
1125	25.11	8.96	7.29	-104	1.68	12.0	0.00	1.07
1130	25.11	8.97	7.25	-94	1.66	7.7	0.00	1.06
1135	25.11	8.89	7.22	-86	1.64	6.9	0.00	1.05
1140	25.11	8.99	7.21	-82	1.63	6.5	0.00	1.04

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 100 ml ambers	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒ No ☐
EPA SW-846 Method 9012	Total Cyanide	1 - 250 ml plastic	Yes ☒ No ☐

Sample ID: **MW-7-0421** Duplicate? Yes ☐ No ☒
Sample Time: 1140 MS/MSD? Yes ☐ No ☒

Shipped: Pace Courier Pickup ☒
Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: AJ
Date: 4/21/21
Job Number: 0603200-132410-221
Weather: 36°F, cloudy
Well Id. **MW-ES-8**
Time In: 0820 Time Out: 0900

Well Information

		TOC	Other
Depth to Water:	(feet)	7.05	
Depth to Bottom:	(feet)	14.10	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	7.05	
Volume of Water in Well:	(gal)	1.12	
Three Well Volumes:	(gal)	3.3	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	200 (ml/min)				
Duration of Pumping:	30 (min)				
Total Volume Removed:	2.5 (gal)				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0825	7.95	10.81	7.57	-42	1.19	0.0	17.35	0.762
0830	8.12	10.90	7.42	-62	1.19	0.0	10.59	0.760
0835	8.22	10.98	7.22	-44	1.19	241	2.92	0.762
0840	8.26	11.01	7.17	-32	1.20	165	1.35	0.770
0845	8.29	11.01	7.15	-38	1.24	72.4	0.57	0.794
0850	8.29	10.98	7.14	-47	1.31	64.3	0.26	0.834
0855	8.29	10.97	7.10	-49	1.43	53.3	0.00	0.916

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 100 ml ambers	Yes [X]	No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X]	No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 250 ml plastic	Yes [X]	No [ ]

Sample ID: **MW-ES-8-0421** Duplicate? Yes [ ] No [X]
Sample Time: 0900 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: Peter Lyon
Date: 4/21/21
Job Number: 0603200-132410-221
Weather: 35° light Rain
Well Id. **MW-9**
Time In: 1005 Time Out: 1100

Well Information

		TOC	Other
Depth to Water:	(feet)	24.51	
Depth to Bottom:	(feet)	40.50	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	15.99	
Volume of Water in Well:	(gal)	10.55	
Three Well Volumes:	(gal)	31.66	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other:
Well Diameter: 1" ☐ 2" ☐ Other: 4"
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒		
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Average Pumping Rate:	(ml/min)				
Duration of Pumping:	(min)				
Total Volume Removed:	(gal)				

Did well go dry? Yes ☐ No ☐

Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1010	24.67	9.75	7.84	-79	.838	29.3	0.00	.536
1015	24.64	9.98	7.92	-56	.839	27.7	0.00	.538
1020	24.63	9.72	8.02	-24	.844	21.0	0.00	.540
1025	24.61	9.77	8.17	-7	.844	20.5	0.00	.540
1030	24.61	9.81	8.24	-2	.844	21.1	0.00	.540
1035	24.61	9.72	8.19	8	.844	23.1	0.00	.540
1040	24.61	9.77	8.00	11	.845	22.1	0.00	.541

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

6 - 100 ml ambers Yes ☒ No ☐
9 - 40 ml vials Yes ☒ No ☐
3 - 250 ml plastic Yes ☒ No ☐

MW-9-MS-0421 **MW-9-MSD-0421**

Sample ID: **MW-9-0421** Duplicate? Yes ☐ No ☒
Sample Time: 1040 MS/MSD? Yes ☐ No ☒

Shipped: Pace Courier Pickup ☒
Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: Peter Yo
Job Number: 0603200-132410-221
Well Id. **MW-ES-10S**

Date: 4/21/21
Weather: Rain/snow 35°
Time In: ~~1105~~ 1250 Time Out: 1330

Well Information

		TOC	Other
Depth to Water:	(feet)	~~25.04~~ →	7.13
Depth to Bottom:	(feet)	14.50	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	7.37	
Volume of Water in Well:	(gal)	1.17	
Three Well Volumes:	(gal)	3.53	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	1

Did well go dry? Yes [ ] No [ ]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
~~1100~~ 1255	7.20	10.39	7.37	-73	3.35	1.9	0.00	2.19
~~1105~~ 1300	7.21	10.91	7.19	-87	3.80	1.8	0.00	2.43
~~1120~~ 1305	7.21	11.10	7.14	-91	3.80	1.8	0.00	2.43
~~1125~~ 1310	7.21	11.09	7.13	-91	3.84	1.7	0.00	2.46
~~1130~~ 1315	7.21	11.13	7.11	-92	3.84	1.7	0.00	2.46
1320	7.21	11.13	7.11	-94	3.84	1.7	0.00	2.46
1325	7.21	11.11	7.10	-95	3.84	1.7	0.00	2.46

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 100 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 250 ml plastic	Yes [X] No [ ]

Sample ID: **MW-ES-10S-0421** Duplicate? Yes [ ] No [X]
Sample Time: 1325 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: Peter Lyon
Date: 4/21/21
Job Number: 0603200-132410-221
Weather: 35° light rain
Well Id. **MW-11**
Time In: 920 Time Out: 1000

Well Information

		TOC	Other
Depth to Water:	(feet)	2.91	
Depth to Bottom:	(feet)	18.50	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	15.59	
Volume of Water in Well:	(gal)	2.49	
Three Well Volumes:	(gal)	7.48	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other: ____
Well Diameter: 1" ☐ 2" ☒ Other: ____
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒		
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐		
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	1			

Did well go dry? Yes ☐ No ☐

Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0925	~~8.12~~ 28.12	7.20	7.72	-86	1.12	427	2.95	.715
0930	8.09	7.17	7.64	-93	.981	321	0.00	.618
0935	8.11	7.06	~~7.63~~ 7.63	-109	.865	94.4	0.00	.552
0940	8.11	7.12	7.63	-115	.841	69.8	0.00	.537
0945	8.12	7.22	7.63	-121	.816	32.4	0.00	.522
0950	8.11	7.22	7.63	-122	.812	28.0	0.00	.520
0955	8.11	7.21	7.59	-120	.809	20.4	0.00	.517

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 100 ml ambers	Yes ☒	No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes ☒	No ☐
EPA SW-846 Method 9012	Total Cyanide	1 - 250 ml plastic	Yes ☒	No ☐

Sample ID: **MW-11-0421** Duplicate? Yes ☐ No ☒
Sample Time: 0955 MS/MSD? Yes ☐ No ☒

Shipped: Pace Courier Pickup ☒
Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: Peter Lyon
Date: 4/21/21
Job Number: 0603200-132410-221
Weather: 34° Cloudy
Well Id. **MW-12**
Time In: 835 Time Out: 0915

Well Information

		TOC	Other
Depth to Water:	(feet)	3.45	
Depth to Bottom:	(feet)	14.30	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	10.85	
Volume of Water in Well:	(gal)	~~1.774~~ →	1.73
Three Well Volumes:	(gal)	5.20	

Well Type: Flushmount [ ] Stick-Up [X]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2				

Did well go dry? Yes [ ] No [ ]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
8:40	3.56	8.54	6.97	-57	5.02	91.7	4.87	3.16
8:45	3.54	8.65	7.01	-57	5.03	82.8	.03	3.17
8:50	3.56	8.26	7.06	-59	5.03	78.9	0.00	3.16
8:55	3.56	8.21	7.08	-61	5.02	55.0	0.00	3.17
0900	3.56	8.61	7.10	-65	5.04	53.8	0.00	3.17
0905	3.56	8.40	7.13	-65	5.03	42.3	0.00	3.17
0910	3.56	8.22	7.14	-66	5.02	50.1	0.00	3.16

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 100 ml ambers	Yes [X]	No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X]	No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 250 ml plastic	Yes [X]	No [ ]

Sample ID: **MW-12-0421** Duplicate? Yes [ ] No [X]
Sample Time: 0910 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: Peter Lynn
Job Number: 0603200-132410-221
Well Id. **MW-103**

Date: 4/21/21
Weather: 35° Rain/Snow
Time In: 1155 Time Out: 1240

Well Information

		TOC	Other
Depth to Water:	(feet)	26.57	
Depth to Bottom:	(feet)	40.00	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	13.43	
Volume of Water in Well:	(gal)	2.14	
Three Well Volumes:	(gal)	6.44	

Well Type: Flushmount [ ] Stick-Up [X]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	1

Did well go dry? Yes [ ] No [ ]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1200	26.66	9.22	7.39	-89	2.42	893	0.00	1.54
1205	26.68	10.13	8.03	-89	1.27	415	0.00	.811
1210	26.66	10.42	7.87	-79	1.27	207	0.00	.815
1215	26.66	10.55	7.73	-82	1.26	28.9	0.00	.809
1220	26.66	10.59	7.72	-83	1.27	23.1	0.00	.812
1225	26.66	10.63	7.77	-85	1.28	7.5	0.00	.816
1230	426.66	10.49	7.73	-85	1.27	7.9	0.00	.812

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 100 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 250 ml plastic	Yes [X] No [ ]

Sample ID: **MW-103-0421** Duplicate? Yes [ ] No [X]
Sample Time: 1230 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A — Required Client Information:

Company: GES - Syracuse	
Address: 5 Technology Place, Suite 4	
East Syracuse, New York 13057	
Email To: dshay@gesonline.com	
Phone: 800.220.3069 x4051	Fax: None
Requested Due Date/TAT: Standard	

Section B — Required Project Information:

Report To: Devin Shay (GES)	dshay@gesonline.com
Report To: Tim Beaumont (GES)	tbeaumont@gesonline.com
Purchase Order No.:	
Project Name: National Grid - Oneida Sconondoa St, Oneida NY	
Project Number: 0603200-132410-221-1106	

Section C — Invoice Information:

Attention: Accounts Payable via email at ges-invoices@gesonline.com	
Company Name: Groundwater & Environmental Services, Inc.	
Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057	
Pace Quote Reference:	
Pace Project Manager: Rachel Christner	
Pace Profile #:	Semi-Annual GWS

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER_____

SITE LOCATION ☐ NY ☐ NJ ☐ ☐ ☐ ☐ ☐ PA ☐ MD ☐ VA ☐ OTHER_____

Section D — Required Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
TISSUE	TS
OTHER	OT

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB, C=COMP)	COLLECTED DATE (COMPOSITE START)	COLLECTED TIME (COMPOSITE START)	COLLECTED DATE (GRAB)	COLLECTED TIME (GRAB)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: BTEX (8260C)	SVOCs (PAHs) (8270D)	Cyanide, Total (9012B)	Pace Project Number / Lab I.D.
1	MW-1-0421	WT	G			4/21/21	1300		6	2			3	1				3	2	1	
2	MW-2-0421	WT	G				1210		6	2			3	1				3	2	1	
3	MW-3-0421	WT	G				1125		6	2			3	1				3	2	1	
4	MW-4-0421	WT	G				1040		6	2			3	1				3	2	1	
5	MW-5-0421	WT	G				0950		6	2			3	1				3	2	1	
6	MW-6-0421	WT	G				1345		6	2			3	1				3	2	1	
7	MW-7-0421	WT	G				1140		6	2			3	1				3	2	1	
8	MW-ES-8-0421	WT	G				0900		6	2			3	1				3	2	1	
9	MW-9-0421	WT	G				1040		6	2			3	1				3	2	1	
10	MW-9-MS-0421	WT	G				1040		6	2			3	1				3	2	1	
11	MW-9-MSD-0421	WT	G				1040		6	2			3	1				3	2	1	
12	MW-ES-10S-0421	WT	G				1325		6	2			3	1				3	2	1	
13	MW-11-0421	WT	G				0955		6	2			3	1				3	2	1	
14	MW-12-0421	WT	G				0910		6	2			3	1				3	2	1	
15	MW1-103-0421	WT	G				1230		6	2			3	1				3	2	1	
16	FD-0421	WT	G						6	2			3	1				3	2	1	
17	Trip Blanks	WT	G						2				3					3			

Additional Comments:

SAMPLES WILL ARRIVE IN # ____ COOLERS.

Please send reports to: dshay@gesonline.com, tbeaumont@gesonline.com
NERegion@gesonline.com, ges@equisonline.com

SPECIFIC EDD NAME:

NGOneida-labnumber.28351.EQEDD.zip

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
GES	4/21/21	1745		4/21/21	1745
	4/21/21	1700			

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY):

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
MW-1	Yes	4"	7.23		19.70	
MW-2	Yes	2"	6.70		17.66	Field Duplicate
MW-3	Yes	2"	4.86		14.13	
MW-4	Yes	2"	5.60		13.34	
MW-5	Yes	2"	5.87		16.10	
MW-6	Yes	2"	5.91		14.25	
MW-7	Yes	4"	24.17		37.20	
MW-ES-8	Yes	2"	6.98		14.10	
MW-9	Yes	4"	24.60		40.50	MS/MSD
MW-ES-10S	Yes	2"	7.22		14.50	
MW-11	Yes	2"	8.05		18.50	
MW-12	Yes	2"	3.60		14.30	
MW-103	Yes	2"	26.82		40.00	
RW-1	No	6"	6.71	—	28.52	

DTW *-depth to water*

DTP *-depth to product*

DTB *-depth to bottom*

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: Peter Lyon
Job Number: 0603275-132410-221
Well Id. **MW-1**

Date: 10/14/21
Weather: 64 Sunny
Time In: 1232 Time Out: 1310

Well Information

		TOC	Other
Depth to Water:	(feet)	7.23	
Depth to Bottom:	(feet)	19.70	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	12.47	
Volume of Water in Well:	(gal)	8.1	
Three Well Volumes:	(gal)	24.3	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1235	7.33	17.37	6.90	-129	2.45	78.6	0.00	1.58
1240	7.49	16.39	6.95	-159	2.57	45.6	0.00	1.64
1245	7.50	16.35	6.95	-162	2.57	57.7	0.00	1.64
1250	7.53	17.11	6.96	-165	2.56	52.4	0.00	1.64
1255	7.81	17.41	6.94	-161	2.54	35.0	0.00	1.63
1300	7.89	17.12	6.94	-156	2.53	15.1	0.00	1.62
1305	7.97	17.25	6.95	-155	2.52	10.2	0.00	1.62

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

2 - 100 ml ambers Yes [X] No [ ]
3 - 40 ml vials Yes [X] No [ ]
1 - 250 ml plastic Yes [X] No [ ]

Sample ID: **MW-1-1021** Duplicate? Yes [ ] No [X]
Sample Time: 1305 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: Peter Lyon
Job Number: 0603275-132410-221
Well Id. **MW-2**

Date: 10/14/21
Weather: 64 Sunny
Time In: 1141 Time Out: 1220

Well Information

		TOC	Other
Depth to Water:	(feet)	6.70	
Depth to Bottom:	(feet)	17.66	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	11.06	
Volume of Water in Well:	(gal)	1.76	
Three Well Volumes:	(gal)	5.30	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1145	6.80	18.04	7.36	124	.504	14.3	0.71	.323
1150	6.82	17.83	7.21	118	.513	6.8	0.18	.328
1155	6.82	17.84	7.17	116	.537	6.0	0.00	.345
1200	6.82	17.71	7.15	116	.559	5.4	0.00	.358
1205	6.82	17.58	7.14	114	.578	4.3	0.00	.370
1210	6.82	18.09	7.12	110	.587	3.8	0.00	.376
1215	6.82	18.15	7.11	108	.599	2.8	0.00	3.84

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

4 - 100 ml ambers Yes [X] No [ ]
6 - 40 ml vials Yes [X] No [ ]
2 - 250 ml plastic Yes [X] No [ ]

FD-1021

Sample ID: **MW-2-1021** Duplicate? Yes [X] No [X]
Sample Time: 1215 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: Peter Lyon
Job Number: 0603275-132410-221
Well Id. **MW-3**

Date: 10/14/21
Weather: 65° Cloudy
Time In: 1055 Time Out: 1135

Well Information

		TOC	Other
Depth to Water:	(feet)	4.86	
Depth to Bottom:	(feet)	14.13	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	9.27	
Volume of Water in Well:	(gal)	1.48	
Three Well Volumes:	(gal)	4.44	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1100	5.02	19.19	7.23	65	.534	4.3	2.27	.342
1105	5.11	19.30	7.22	89	.519	17.4	2.90	.333
1110	5.15	19.33	7.22	99	.526	17.5	3.04	.336
1115	5.18	19.41	7.22	103	.521	6.1	3.20	.333
1120	5.22	19.47	7.21	104	.523	4.6	2.86	.335
1125	5.24	19.50	7.20	106	.527	4.0	2.61	.337
1130	5.26	19.57	7.20	109	.527	3.0	2.37	.338

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

2 - 100 ml ambers Yes [X] No [ ]
3 - 40 ml vials Yes [X] No [ ]
1 - 250 ml plastic Yes [X] No [ ]

Sample ID: **MW-3-1021**
Sample Time: 1130

Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: Peter Lyon
Job Number: 0603275-132410-221
Well Id. **MW-4**

Date: 10/14/21
Weather: 63 Cloudy
Time In: 1010 Time Out: 1050

Well Information

		TOC	Other
Depth to Water:	(feet)	5.60	
Depth to Bottom:	(feet)	13.34	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	7.74	
Volume of Water in Well:	(gal)	1.23	
Three Well Volumes:	(gal)	3.71	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1015	5.85	19.01	7.11	-79	.663	4.5	0.00	.425
1020	5.86	18.62	7.06	-89	.669	4.6	0.00	.428
1025	5.89	18.29	7.05	-90	.674	4.1	0.00	.431
1030	5.91	18.06	7.05	-90	.676	3.6	0.00	.433
1035	5.93	18.03	7.04	-91	.676	3.3	0.00	.433
1040	5.94	18.09	7.04	-91	.675	3.3	0.00	.432
1045	5.94	18.14	7.03	-91	.675	3.0	0.00	.432

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

2 - 100 ml ambers Yes [X] No [ ]
3 - 40 ml vials Yes [X] No [ ]
1 - 250 ml plastic Yes [X] No [ ]

Sample ID: **MW-4-1021**
Sample Time: 1045

Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: Peter Lyon
Job Number: 0603275-132410-221
Well Id. **MW-5**

Date: 10/14/21
Weather: 65 Cloudy
Time In: 0929 Time Out: 1005

Well Information

		TOC	Other
Depth to Water:	(feet)	5.87	
Depth to Bottom:	(feet)	16.10	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	10.23	
Volume of Water in Well:	(gal)	1.63	
Three Well Volumes:	(gal)	4.91	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0930	6.05	18.83	7.04	-6	.784	39.2	0.02	.503
0935	6.08	18.99	6.86	0	.781	11.9	0.00	.499
0940	6.11	19.12	6.82	14	.766	3.2	0.00	.490
0945	6.14	19.21	6.82	21	.761	2.2	0.00	.487
0950	6.14	19.23	6.81	30	.763	1.9	0.00	.488
0955	6.15	19.25	6.81	34	.766	1.6	0.00	.490
1000	6.17	19.25	6.80	36	.770	1.1	0.00	.493

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

2 - 100 ml ambers Yes [X] No [ ]
3 - 40 ml vials Yes [X] No [ ]
1 - 250 ml plastic Yes [X] No [ ]

Sample ID: **MW-5-1021** Duplicate? Yes [ ] No [X]
Sample Time: 1000 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: Peter Lyon
Job Number: 0603275-132410-221
Well Id. **MW-6**

Date: 10/14/21
Weather: 64° Sunny
Time In: 1318 Time Out: 1406

Well Information

		TOC	Other
Depth to Water:	(feet)	5.91 ← 5.91	
Depth to Bottom:	(feet)	14.25	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	7.34	
Volume of Water in Well:	(gal)	1.17	
Three Well Volumes:	(gal)	3.52	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1320	5.44	17.57	7.17	-75	.617	18.8	0.00	.396
1325	5.84	17.38	6.77	-175	.644	8.1	0.00	.413
1330	5.92	17.54	6.74	-182	.650	7.6	0.00	.416
1335	6.09	17.84	6.71	-176	.649	5.1	0.00	.415
1340	6.18	18.07	6.68	-166	.648	3.9	0.00	.415
1345	6.24	18.05	6.66	-158	.652	3.4	0.00	.417
1350	6.30	18.11	6.64	-153	.654	2.9	0.00	.418

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 100 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 250 ml plastic	Yes [X] No [ ]

Sample ID: **MW-6-1021** Duplicate? Yes [ ] No [X]
Sample Time: 1350 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: KL
Job Number: 0603275-132410-221
Well Id. **MW-7**

Date: 10/14/24
Weather: Cloudy 63
Time In: 09:30 Time Out: 10:10

Well Information

		TOC	Other
Depth to Water:	(feet)	24.17	
Depth to Bottom:	(feet)	37.20	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	12.03	
Volume of Water in Well:	(gal)	1.93	
Three Well Volumes:	(gal)	23.51	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other: ____
Well Diameter: 1" ☐ 2" ☐ Other: 4"
Comments:

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	1			

Did well go dry? Yes ☐ No ☒

Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
09:35	24.98	13.91	7.17	-71	1.28	21.7	9.79	0.817
09:40	25.23	13.69	6.95	-48	1.48	6.7	9.26	0.946
09:45	25.23	13.23	6.79	-46	1.50	4.4	8.29	0.959
09:50	25.23	13.14	6.79	-48	1.56	5.1	7.61	0.961
09:55	25.23	13.09	6.79	-49	1.50	3.7	6.91	0.961
10:00	25.23	13.01	6.80	-50	1.51	2.6	6.47	0.964
10:05	25.23	12.97	6.80	-51	1.51	2.7	6.01	0.967

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

2 - 100 ml ambers Yes ☒ No ☐
3 - 40 ml vials Yes ☒ No ☐
1 - 250 ml plastic Yes ☒ No ☐

Sample ID: **MW-7-1021** Duplicate? Yes ☐ No ☒
Sample Time: 10:05 MS/MSD? Yes ☐ No ☒

Shipped: Pace Courier Pickup ☒
Drop-off Albany Service Center ☐

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: Peter Lyon
Job Number: 0603275-132410-221
Well Id. **MW-ES-8**

Date: 10/14/21
Weather: 63° clear cool
Time In: 0846 Time Out: 0925

Well Information

		TOC	Other
Depth to Water:	(feet)	6.99	
Depth to Bottom:	(feet)	14.10	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	7.12	
Volume of Water in Well:	(gal)	1.13	
Three Well Volumes:	(gal)	3.40	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method: Bailer [ ] Peristaltic [X] Grundfos Pump [ ]
Tubing/Bailer Material: Teflon [ ] Stainless St. [ ] Polyethylene [X]
Sampling Method: Bailer [ ] Peristaltic [X] Grundfos Pump [ ]

Average Pumping Rate:	(ml/min)	250
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	2

Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0850	8.23	18.74	6.93	130	.900	87.1	4.70	.576
0855	8.30	18.45	6.83	112	.903	83.6	3.90	.579
0900	8.34	17.90	6.80	45	.910	15.2	3.13	.584
0905	8.35	17.69	6.78	37	.948	5.9	2.63	.608
0910	8.36	17.61	6.76	34	1.03	3.4	2.06	.662
0915	8.38	17.56	6.75	30	1.13	3.8	1.48	.726
0920	8.40	17.55	6.74	27	1.27	2.4	1.05	.816

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

2 - 100 ml ambers Yes [X] No [ ]
3 - 40 ml vials Yes [X] No [ ]
1 - 250 ml plastic Yes [X] No [ ]

Sample ID: **MW-ES-8-1021** Duplicate? Yes [ ] No [X]
Sample Time: 0920 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: K
Job Number: 0603275-132410-221
Well Id. **MW-9**

Date: 10/14/19
Weather: Cloudy 63
Time In: 10:10 Time Out: 10:55

Well Information

		TOC	Other
Depth to Water:	(feet)	24.60	
Depth to Bottom:	(feet)	40.50	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	15.9	
Volume of Water in Well:	(gal)	10.44	
Three Well Volumes:	(gal)	31.32	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other: ____
Well Diameter: 1" ☐ 2" ☐ Other: 4"
Comments:

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes ☐ No ☒

Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:15	24.63	14.91	7.24	-93	0.733	154	7.01	0.478
10:20	24.90	13.99	7.23	-72	0.943	27.3	1.58	0.600
10:25	24.90	13.84	7.32	-85	0.822	23.7	0.82	0.526
10:30	24.90	13.79	7.34	-88	0.816	23.4	0.72	0.522
10:35	24.90	13.83	7.34	-91	0.814	23.1	0.69	0.519
10:40	24.90	13.74	7.34	-93	0.810	21.1	0.62	0.518
10:45	24.90	13.81	7.33	-94	0.808	19.9	0.61	0.517

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

6 - 100 ml ambers Yes ☒ No ☐
9 - 40 ml vials Yes ☒ No ☐
3 - 250 ml plastic Yes ☒ No ☐

MW-9-MS-1021 **MW-9-MSD-1021**

Sample ID: **MW-9-1021**
Sample Time: 10:45

Duplicate? Yes ☐ No ☒
MS/MSD? Yes ☒ No ☒

Shipped: Pace Courier Pickup ☒
Drop-off Albany Service Center ☐

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: JK
Job Number: 0603275-132410-221
Well Id. **MW-ES-10S**

Date: 10/14/21
Weather: Sun 75
Time In: 12:50 Time Out: 13:35

Well Information

		TOC	Other
Depth to Water:	(feet)	7.22	
Depth to Bottom:	(feet)	14.50	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	7.28	
Volume of Water in Well:	(gal)	1.16	
Three Well Volumes:	(gal)	3.49	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	300			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
13:00	7.30	21.37	7.06	-51	4.44	20.2	1.44	2.84
13:05	7.30	20.60	6.90	30	2.93	1.0	0.98	1.88
13:10	7.30	19.94	6.89	-51	2.87	0.2	0.41	1.84
13:15	7.30	19.87	6.89	-50	2.86	0.2	0.88	1.83
13:20	7.30	19.85	6.89	-52	2.83	0.4	0.82	1.81
13:25	7.30	19.82	6.88	-53	2.83	0.5	0.79	1.81
13:30	7.30	19.82	6.87	-54	2.82	0.4	0.77	1.81

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 100 ml ambers	Yes [X]	No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X]	No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 250 ml plastic	Yes [X]	No [ ]

Sample ID: **MW-ES-10S-1021** Duplicate? Yes [ ] No [X]
Sample Time: 13:30 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: KC
Job Number: 0603275-132410-221
Well Id. **MW-11**

Date: 10/14/21
Weather: Cloudy 67
Time In: 11:05 Time Out: 11:45

Well Information

		TOC	Other
Depth to Water:	(feet)	8.05	
Depth to Bottom:	(feet)	18.50	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	10.45	
Volume of Water in Well:	(gal)	1.67	
Three Well Volumes:	(gal)	5.01	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other: ____
Well Diameter: 1" ☐ 2" ☒ Other: ____
Comments:

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes ☐ No ☒

Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:10	8.24	16.19	7.34	-92	0.798	78.9	1.26	0.538
11:15	8.30	16.83	7.31	-101	0.767	152	1.05	0.488
11:20	8.36	17.39	7.33	-112	0.738	94.0	0.89	0.472
11:25	8.38	17.63	7.34	-118	0.741	50	0.86	0.474
11:30	8.38	17.78	7.34	-122	0.744	37.1	0.85	0.476
11:35	8.38	17.9	7.33	-124	0.744	28.0	0.83	0.476
11:40	8.38	17.96	7.34	-127	0.746	24.4	0.82	0.478

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

2 - 100 ml ambers Yes ☒ No ☐
3 - 40 ml vials Yes ☒ No ☐
1 - 250 ml plastic Yes ☒ No ☐

Sample ID: **MW-11-1021** Duplicate? Yes ☐ No ☒
Sample Time: 11:40 MS/MSD? Yes ☐ No ☒

Shipped: Pace Courier Pickup ☒
Drop-off Albany Service Center ☐

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: JL
Job Number: 0603275-132410-221
Well Id. **MW-12**

Date: 10/14/14
Weather: Sun 72
Time In: 11:45 Time Out: 1235

Well Information

		TOC	Other
Depth to Water:	(feet)	3.60	
Depth to Bottom:	(feet)	14.30	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	10.7	
Volume of Water in Well:	(gal)	1.71	
Three Well Volumes:	(gal)	5.13	

Well Type: Flushmount ☐ Stick-Up ☒
Well Locked: Yes ☒ No ☐
Measuring Point Marked: Yes ☒ No ☐
Well Material: PVC ☒ SS ☐ Other: ____
Well Diameter: 1" ☐ 2" ☒ Other: ____
Comments:

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate: (ml/min)	200			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	2			

Did well go dry? Yes ☐ No ☒

Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
12:00	3.97	19.30	7.44	-126	0.794	45.5	9.01	0.51
12:05	3.98	20.03	6.91	-53	4.81	5.7	7.29	3.08
12:10	3.98	20.37	6.91	-54	4.82	2.9	6.96	3.08
12:15	3.98	20.59	6.90	-56	4.81	2.4	6.59	3.08
12:20	3.98	20.76	6.91	-57	4.74	2.1	6.34	3.05
12:25	3.98	19.38	6.91	-56	4.75	0.7	6.08	3.04
12:30	3.98	20.49	6.90	-56	4.76	1.2	5.62	3.05

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

2 - 100 ml ambers Yes ☒ No ☐
3 - 40 ml vials Yes ☒ No ☐
1 - 250 ml plastic Yes ☒ No ☐

Sample ID: **MW-12-1021** Duplicate? Yes ☐ No ☒
Sample Time: 12:30 MS/MSD? Yes ☐ No ☒

Shipped: Pace Courier Pickup ☒
Drop-off Albany Service Center ☐

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: KL
Job Number: 0603275-132410-221
Well Id. **MW-103**

Date: 10/14/21
Weather: Cloud 63
Time In: 08:50 Time Out: 09:25

Well Information

		TOC	Other
Depth to Water:	(feet)	26.82	
Depth to Bottom:	(feet)	40.00	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	13.18	
Volume of Water in Well:	(gal)	2.10	
Three Well Volumes:	(gal)	6.32	

Well Type: Flushmount [ ] Stick-Up [X]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
08:55	26.72	15.47	6.93	-72	1.22	50.1	4.07	0.784
09:00	26.74	14.45	6.95	-74	1.23	46.5	2.24	0.788
09:05	26.74	13.70	7.00	-75	1.26	38.8	1.03	0.807
09:10	26.74	13.56	7.05	-76	1.28	30.0	0.82	0.820
09:15	26.74	13.41	7.06	-77	1.29	19.7	0.69	0.825
09:20	26.74	13.39	7.07	-77	1.29	14.2	0.60	0.826
09:25	26.74	13.36	7.09	-77	1.29	17.2	0.58	0.826

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

2 - 100 ml ambers Yes [X] No [ ]
3 - 40 ml vials Yes [X] No [ ]
1 - 250 ml plastic Yes [X] No [ ]

Sample ID: **MW-103-1021**
Sample Time: 09:25

Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Drop-off Albany Service Center [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company: GES - Syracuse
Address: 6780 Northern Blvd, Suite 100
East Syracuse, New York 13057
Email To: dshay@gesonline.com
Phone: 800.220.3069 x4051 / Fax: None
Requested Due Date/TAT: Standard

Section B
Required Project Information:

Report To: Devin Shay (GES) dshay@gesonline.com
Report To: Tim Beaumont (GES) tbeaumont@gesonline.com
Purchase Order No.:
Project Name: National Grid - Oneida Scorondoa St, Oneida NY
Project Number: 0603275-132410-221-1106

Section C
Invoice Information:

Attention: Accounts Payable via email at ges-invoices@gesonline.com
Company Name: Groundwater & Environmental Services, Inc.
Address: 6780 Northern Blvd, Suite 100, East Syracuse, NY 13057
Pace Quote Reference:
Pace Project Manager: Rachel Christner
Pace Profile #: **Semi-Annual GWS**

REGULATORY AGENCY

NPDES · GROUND WATER · DRINKING WATER · UST · RCRA · OTHER____

SITE LOCATION: GA · OH · OTHER____

Filtered (Y/N)

Requested Analysis:

Section D Required Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED GRAB DATE	COLLECTED GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	BTEX (8260C)	SVOCs (PAHs) (8270D)	Cyanide, Total (9012B)	Pace Project Number Lab I.D.
1	MW-1-1021	WT	G	[redacted]		10/14/21	13:05		6	2			3	1				3	2	1	
2	MW-2-1021	WT	G			↓	12:15		6	2			3	1				3	2	1	
3	MW-3-1021	WT	G				11:30		6	2			3	1				3	2	1	
4	MW-4-1021	WT	G				10:45		6	2			3	1				3	2	1	
5	MW-5-1021	WT	G				10:00		6	2			3	1				3	2	1	
6	MW-6-1021	WT	G				1356		6	2			3	1				3	2	1	
7	MW-7-1021	WT	G				10:05		6	2			3	1				3	2	1	
8	MW-ES-8-1021	WT	G				0920		6	2			3	1				3	2	1	
9	MW-9-1021	WT	G				10:45		6	2			3	1				3	2	1	
10	MW-9-MS-1021	WT	G				10:45		6	2			3	1				3	2	1	
11	MW-9-MSD-1021	WT	G				10:45		6	2			3	1				3	2	1	
12	MW-ES-10S-1021	WT	G				13:30		6	2			3	1				3	2	1	
13	MW-11-1021	WT	G				11:40		6	2			3	1				3	2	1	
14	MW-12-1021	WT	G				12:30		6	2			3	1				3	2	1	
15	MW1-103-1021	WT	G				09:25		6	2			3	1				3	2	1	
16	FD-1021	WT	G				—		6	2			3	1				3	2	1	
17	Trip Blanks	WT	G			↓			6	2			3	1				3	2	1	
									2				3					3			

Additional Comments:

SAMPLES WILL ARRIVE IN [#   ] COOLERS.

Please send reports to: dshay@gesonline.com, tbeaumont@gesonline.com
NERegion@gesonline.com, ges@equisonline.com

SPECIFIC EDD NAME:
NGOneida-labnumber.28351.EQEDD.zip

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
[signature]	10/14/21	1505	[signature]	10/14	15:05		Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
						Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kevin [signature]
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 10/14/21

vrmt88-vm3\syracuse-01\Dashboard\Planning\00012...

January 14, 2021 – Site Conditions

July 1, 2021 – Site Conditions

July 1, 2021 – Building Conditions

Appendix B – Data Usability Summary Report

Groundwater & Environmental Services, Inc.

708 North Main Street, Suite 201
Blacksburg, VA 24060

T. 800.662.5067

December 7, 2021

Devin Shay
Groundwater & Environmental Services Syracuse
6780 Northern Blvd., Suite 100
East Syracuse, NY 13057

RE: Data Usability Summary Report for National Grid - Oneida, NY Site Data Package
Pace Analytical Job Nos. 30416862, 30445638

Groundwater & Environmental Services, Inc. (GES) reviewed two data packages (Laboratory Project Numbers 30416862 and 30445638) from Pace Analytical Services, Inc., for the analysis of groundwater samples collected on April 21, 2021 and October 14, 2021 from monitoring wells located at the National Grid Oneida, NY Site. 13 aqueous samples, one field duplicate (MW-2), and a trip blank were analyzed for select volatile organics, PAHs, and cyanide during both events. Data validation occurred per the guidance found in the National Functional Guidelines for Organic and Inorganic Superfund methods, revised in 2020. Methodologies utilized are the USEPA SW846 methods 8260B, 8270C and EPA 9012B, with additional method and QC criteria required under the NYSDEC ASP.

The data are reported as part of a complete full deliverable type B data validation. This usability report is generated from review of the following:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate (MS/MSD) Correlations
- Field Duplicate Correlations
- Laboratory Control Sample (LCS)
- Preparation/Calibration Blanks
- Calibration/Low Level Standard Responses
- Instrumental Tunes
- Instrument MDLs
- Sample Quantitation and Identification

The items listed above which show deficiencies are discussed within the text of this narrative. All of the other items are determined to be acceptable for the DUSR level review.

All of the items were determined to be acceptable for the DUSR level review.

Table 1 – Data Qualifications

Sample ID	Qualifier	Analyte	Reason for qualification
MW-9-1021	J+	Fluoranthene and Acenaphthene	High MS/MSD recoveries
MW-ES-8-1021	R	Cyanide	MS/MSD recoveries <10%
MW-2-0421 MW-3-0421 FD-0421	UJ- J-	Non-detected VOCs-0421 Detected VOCS-0421	Residual chlorine present in samples

In summary, sample results are usable as reported, with the exception of the data listed above. Qualified data should be used with care, as the quantification cannot be assumed accurate and/or precise. Data qualified as "R" should not be considered usable or reliable.

Qualifications are detailed in Table 1.

The laboratory case narratives and sample identification summary forms are attached to this text, and should be reviewed in conjunction with this report.

BTEX Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times for groundwater samples and instrumental tune fragmentations are within acceptance ranges. Surrogate and internal standard recoveries are within required limits. Calibrations standards show acceptable responses within analytical protocol and validation action limits. An MS/MSD pair was analyzed for both sampling events using MW-9 as the matrix. Matrix spike and matrix spike recoveries were within criteria. MW-2 was the blind field duplicate location for both sampling events. The blind field duplicate correlations of the BTEX compounds were not calculated, as there were no positive detections reported in the original or duplicate sample for either event.

Residual chloride was reported in three samples during the spring sampling event. MW-2, MW-3, and FD may have low bias in the BTEX compounds.

PAHs by EPA8270D/NYSDEC ASP

Holding times are met. Instrumental tune fragmentations are within acceptance ranges. Surrogate recoveries are within analytical and validation guidelines, with the exception of a low recovery for surrogates in MW-6-0520 due to dilution. The surrogate recovery was not indicative of method efficacy.

Blanks show no contamination. Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines.

The laboratory control spike recoveries and precision indicate the method is within laboratory control. Surrogate and internal standard recoveries are within required limits. Calibrations standards show acceptable responses within analytical protocol and validation action limits. An MS/MSD pair for each sampling event was analyzed using MW-9- as the matrix. Matrix spike and matrix spike recoveries were within laboratory specified criteria with the following exceptions:

For the spring sampling event – MW-9-0421

- Pyrene's relative percent difference (RPD) of 24% exceeded the laboratory-specified value of 20%, however, the RPD was well below the ≤30% EPA established criteria, and no qualifications were required.

For the fall sampling event MW-9-1021:

- Fluoranthene reported high recoveries in the MS (189%)
- Fluorene reported high recoveries in the MSD (151%).
- Acenaphthene reported high recoveries in the MS (304%) and MSD (317%).
- Anthracene reported high recoveries in the MS (115%).
    - For Fluoranthene and Acenaphthene, the above RL concentrations are qualified as estimated with a possible high bias. Qualifications are noted in **Table 1.**
    - For Fluorene and Anthracene, the analytes were not detected above RL, and the high bias does not affect non-detect data. No qualifications were necessary.

MW-2 was the blind field duplicate location for both sampling events. The blind field duplicate correlations of MW-2 in the spring sampling event were not calculated, as the low level detections in the original sample were <2x the reporting limit (RL) and there were no confirmation detections in the duplicate sample.

The blind field duplicate correlations for the fall sampling event were not calculated, as there were no positive detections reported in the original or duplicate sample for either event.

Cyanide by EPA 9012B /NYSDEC ASP

Holding times were met. Blanks show no contamination. Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines for both analytical runs.

The laboratory control spike recoveries and precision indicate the method is within laboratory control for both sampling events.

An MS/MSD pair for the spring event was analyzed using MW-9. Although the spring sampling event sample reported a cyanide recovery (88%) below laboratory criteria (90% - 100%), the recovery was above the EPA recommended 75% minimum, and meet project DQO. No qualifications are required.

The fall matrix spike recoveries associated with MW-ES-8-1021 both reported 0% recovery, below the EPA recommended 10% for valid data. Cyanide is qualified as unreliable "R" in this sample and should not be considered usable data.

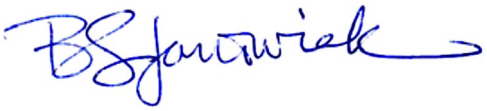
The blind field duplicate correlations of MW-2 were not calculated, as the original sample reported a concentration at the RL, and there was no confirmatory cyanide detection reported in the duplicate. The original concentration is <2x the RL, so the cyanide data is considered usable, as the duplicate concentration could be reported below RL and still pass precision criteria. No qualification is required.

Data Package Completeness

Complete NYSDEC Category B deliverables were included in the laboratory data package, all information required for validation of the data is present.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Sincerely,



Bonnie Janowiak, Ph.D.
Senior Chemist

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: National Grid - Oneida, NY
Pace Project No.: 30416862

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30416862001	**MW-1-0421**	Water	04/21/21 13:00	04/22/21 09:45
30416862002	**MW-2-0421**	Water	04/21/21 12:10	04/22/21 09:45
30416862003	**MW-3-0421**	Water	04/21/21 11:25	04/22/21 09:45
30416862004	**MW-4-0421**	Water	04/21/21 10:40	04/22/21 09:45
30416862005	**MW-5-0421**	Water	04/21/21 09:50	04/22/21 09:45
30416862006	**MW-6-0421**	Water	04/21/21 13:45	04/22/21 09:45
30416862007	**MW-7-0421**	Water	04/21/21 11:40	04/22/21 09:45
30416862008	**MW-ES-8-0421**	Water	04/21/21 09:00	04/22/21 09:45
30416862009	**MW-9-0421**	Water	04/21/21 10:40	04/22/21 09:45
30416862010	**MW-9-MS-0421**	Water	04/21/21 10:40	04/22/21 09:45
30416862011	**MW-9-MSD-0421**	Water	04/21/21 10:40	04/22/21 09:45
30416862012	**MW-ES-10S-0421**	Water	04/21/21 13:25	04/22/21 09:45
30416862013	**MW-11-0421**	Water	04/21/21 09:55	04/22/21 09:45
30416862014	**MW-12-0421**	Water	04/21/21 09:10	04/22/21 09:45
30416862015	**MW1-103-0421**	Water	04/21/21 12:30	04/22/21 09:45
30416862016	**FD-0421**	Water	04/21/21 00:01	04/22/21 09:45
30416862017	**Trip Blanks**	Water	04/21/21 00:01	04/22/21 09:45

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Oneida, NY
Pace Project No.: 30416862

Date: April 30, 2021

MW-2-0421 (Lab ID: 30416862002)

- Residual Chlorine was present in the VOA vial used for analysis.

MW-3-0421 (Lab ID: 30416862003)

- Residual Chlorine was present in the VOA vial used for analysis.

FD-0421 (Lab ID: 30416862016)

- Residual Chlorine was present in the VOA vial used for analysis.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Oneida, NY
Pace Project No.: 30416862

Method: **EPA 8270D by SIM**
Description: 8270D PAH SIM Reduced Volume
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: April 30, 2021

General Information:
16 samples were analyzed for EPA 8270D by SIM by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 445068

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30416862009

R1: RPD value was outside control limits.

- MSD (Lab ID: 2148522)
  - Pyrene

Additional Comments:

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Oneida, NY
Pace Project No.: 30416862

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: April 30, 2021

General Information:
17 samples were analyzed for EPA 8260C by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Oneida, NY
Pace Project No.: 30416862

Method: **EPA 9012B**
Description: 9012B Cyanide, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: April 30, 2021

General Information:
16 samples were analyzed for EPA 9012B by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 9012B with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 445528

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30416862009,30417109002

ML: Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

- MS (Lab ID: 2150601)
  - Cyanide
- MS (Lab ID: 2150624)
  - Cyanide
- MSD (Lab ID: 2150602)
  - Cyanide
- MSD (Lab ID: 2150625)
  - Cyanide

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: National Grid - Oneida, NY
Pace Project No.: 30445638

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30445638001	**MW-1-1021**	Water	10/14/21 13:05	10/15/21 10:30
30445638002	**MW-2-1021**	Water	10/14/21 12:15	10/15/21 10:30
30445638003	**MW-3-1021**	Water	10/14/21 11:30	10/15/21 10:30
30445638004	**MW-4-1021**	Water	10/14/21 10:45	10/15/21 10:30
30445638005	**MW-5-1021**	Water	10/14/21 10:00	10/15/21 10:30
30445638006	**MW-6-1021**	Water	10/14/21 13:50	10/15/21 10:30
30445638007	**MW-7-1021**	Water	10/14/21 10:05	10/15/21 10:30
30445638008	**MW-ES-8-1021**	Water	10/14/21 09:20	10/15/21 10:30
30445638009	**MW-9-1021**	Water	10/14/21 10:45	10/15/21 10:30
30445638010	**MW-9-MS-1021**	Water	10/14/21 10:45	10/15/21 10:30
30445638011	**MW-9-MSD-1021**	Water	10/14/21 10:45	10/15/21 10:30
30445638012	**MW-ES-10S-1021**	Water	10/14/21 13:30	10/15/21 10:30
30445638013	**MW-11-1021**	Water	10/14/21 11:40	10/15/21 10:30
30445638014	**MW-12-1021**	Water	10/14/21 12:30	10/15/21 10:30
30445638015	**MW1-103-1021**	Water	10/14/21 09:25	10/15/21 10:30
30445638016	**FD-1021**	Water	10/14/21 00:01	10/15/21 10:30
30445638017	**Trip Blanks**	Water	10/14/21 00:01	10/15/21 10:30

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Oneida, NY
Pace Project No.: 30445638

Method: **EPA 8270D by SIM**
Description: 8270D PAH SIM Reduced Volume
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 29, 2021

General Information:
16 samples were analyzed for EPA 8270D by SIM by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 469147

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30445638009

MH: Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.

- MS (Lab ID: 2265669)
  - Acenaphthene
  - Anthracene
  - Fluorene
- MSD (Lab ID: 2265670)
  - Acenaphthene
  - Fluorene

R1: RPD value was outside control limits.

- MSD (Lab ID: 2265670)

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Oneida, NY
Pace Project No.: 30445638

Method: **EPA 8270D by SIM**
Description: 8270D PAH SIM Reduced Volume
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 29, 2021

QC Batch: 469147

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30445638009

R1: RPD value was outside control limits.

- Fluorene

Additional Comments:

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Oneida, NY
Pace Project No.: 30445638

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 29, 2021

General Information:
17 samples were analyzed for EPA 8260C by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: National Grid - Oneida, NY
Pace Project No.: 30445638

Method: **EPA 9012B**
Description: 9012B Cyanide, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 29, 2021

General Information:
16 samples were analyzed for EPA 9012B by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 9012B with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 469619

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30445534003,30445638008

ML: Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

- MS (Lab ID: 2267574)
  - Cyanide
- MSD (Lab ID: 2267575)
  - Cyanide

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Appendix C – Quarterly Site Inspections

Site Management Plan Inspection Form
Sconondoa Street
Former MGP Site
Oneida, New York

Date: 10/14/2021 Time: 8:00
Technician: KL Weather: Cloudy 65

Soil Cover System			
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:
Any surface erosion?	YES	NO	COMMENTS:
Any settlement?	YES	NO	COMMENTS:
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:
Excessive cracking or missing pavement?	YES	NO	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:

Site Wide				
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Fence Condition?	GOOD	FAIR	Damaged	COMMENTS:
Gate Conditions?	GOOD	FAIR	Damaged	COMMENTS:
NG and GES Padlocks?	OPERATIONAL		NON-OPERATIONAL	COMMENTS:
Have the front lawns been mowed?	YES		NO	COMMENTS:
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the Site Management Plan being met?	YES		NO	COMMENTS:
Are there any needed changes?	YES		NO	COMMENTS:
Are the site records complete and up to date?	YES		NO	COMMENTS:

Miscellaneous				
Evidence of Trespassing	YES		NO	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-4	YES	NO
MW-5	YES	NO
MW-6	YES	NO
MW-7	YES	NO
MW-ES-8	YES	NO
MW-9	YES	NO
MW-ES-10S	YES	NO
MW-11	YES	NO
MW-12	YES	NO
MW-103	YES	NO
RW-1	YES	NO

General Comments:

Site Management Plan Inspection Form
Sconondoa Street
Former MGP Site
Oneida, New York

Date: 7/1/2021 Time: 13:00
Technician: KL Weather: Cloudy 77

Soil Cover System			
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:
Any surface erosion?	YES	NO	COMMENTS:
Any settlement?	YES	NO	COMMENTS:
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:
Excessive cracking or missing pavement?	YES	NO	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:

Site Wide				
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Fence Condition?	GOOD	FAIR	Damaged	COMMENTS:
Gate Conditions?	GOOD	FAIR	Damaged	COMMENTS:
NG and GES Padlocks?	OPERATIONAL		NON-OPERATIONAL	COMMENTS:
Have the front lawns been mowed?	YES		NO	COMMENTS:
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the Site Management Plan being met?	YES		NO	COMMENTS:
Are there any needed changes?	YES		NO	COMMENTS:
Are the site records complete and up to date?	YES		NO	COMMENTS:

Miscellaneous				
Evidence of Trespassing	YES		NO	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-4	YES	NO
MW-5	YES	NO
MW-6	YES	NO
MW-7	YES	NO
MW-ES-8	YES	NO
MW-9	YES	NO
MW-ES-10S	YES	NO
MW-11	YES	NO
MW-12	YES	NO
MW-103	YES	NO
RW-1	YES	NO

General Comments:

Site Management Plan Inspection Form
Sconondoa Street
Former MGP Site
Oneida, New York

Date: 4/21/2021 Time: 14:10
Technician: AJ Weather: Snow 35

Soil Cover System			
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:
Any surface erosion?	YES	NO	COMMENTS:
Any settlement?	YES	NO	COMMENTS:
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:
Excessive cracking or missing pavement?	YES	NO	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:

Site Wide				
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO		COMMENTS:
Fence Condition?	GOOD	FAIR	Damaged	COMMENTS:
Gate Conditions?	GOOD	FAIR	Damaged	COMMENTS:
NG and GES Padlocks?	OPERATIONAL	NON-OPERATIONAL		COMMENTS:
Have the front lawns been mowed?	YES	NO		COMMENTS:
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the Site Management Plan being met?	YES	NO		COMMENTS:
Are there any needed changes?	YES	NO		COMMENTS:
Are the site records complete and up to date?	YES	NO		COMMENTS:

Miscellaneous				
Evidence of Trespassing	YES	NO		COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-4	YES	NO
MW-5	YES	NO
MW-6	YES	NO
MW-7	YES	NO
MW-ES-8	YES	NO
MW-9	YES	NO
MW-ES-10S	YES	NO
MW-11	YES	NO
MW-12	YES	NO
MW-103	YES	NO
RW-1	YES	NO

General Comments:

Site Management Plan Inspection Form
Sconondoa Street
Former MGP Site
Oneida, New York

Date: 10/15/2020 Time: 12:30
Technician: KL Weather: Cloudy 34

Soil Cover System			
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:
Any surface erosion?	YES	NO	COMMENTS:
Any settlement?	YES	NO	COMMENTS:
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:
Excessive cracking or missing pavement?	YES	NO	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:

Site Wide				
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Fence Condition?	GOOD	FAIR	Damaged	COMMENTS:
Gate Conditions?	GOOD	FAIR	Damaged	COMMENTS:
NG and GES Padlocks?	OPERATIONAL		NON-OPERATIONAL	COMMENTS:
Have the front lawns been mowed?	YES		NO	COMMENTS: winter
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the Site Management Plan being met?	YES		NO	COMMENTS:
Are there any needed changes?	YES		NO	COMMENTS:
Are the site records complete and up to date?	YES		NO	COMMENTS:

Miscellaneous				
Evidence of Trespassing	YES		NO	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-4	YES	NO
MW-5	YES	NO
MW-6	YES	NO
MW-7	YES	NO
MW-ES-8	YES	NO
MW-9	YES	NO
MW-ES-10S	YES	NO
MW-11	YES	NO
MW-12	YES	NO
MW-103	YES	NO
RW-1	YES	NO

General Comments: